

Catalogue

Connectors, Fittings, Connecting Technology



EM-TECHNIK GMBH
ARMATURENBAU

simply better!



Connection principle 1A 3
 The flexible tube is pressed onto the connecting sleeve integrated onto the connector body. The flexible tube is secured using a clamping ring (1A) or a sealing ring and a cutting ring (1C), locking is via a knurled nut (1A/1C).



Connection principle 1B 133
 For flexible tubes with 3 mm wall thickness. The flexible tube (e.g. PVC textile reinforced) is expanded on pushing it onto the connecting sleeve integrated into the connector body. Locking is via a knurled nut.



Connection principle 1C 153
 The flexible tube is pressed onto the connecting sleeve integrated onto the connector body. The flexible tube is secured using a clamping ring (1A) or a sealing ring and a cutting ring (1C), locking is via a knurled nut (1A/1C).



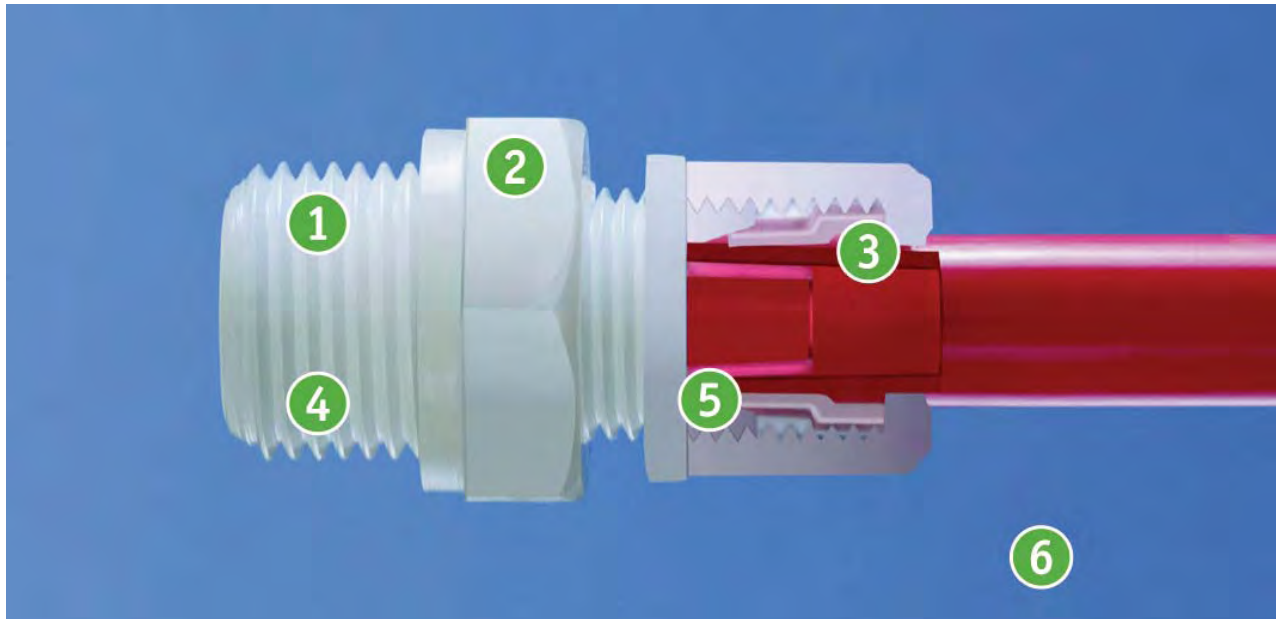
Connection principle 1D 230
 Connectors in HP (high purity) quality. The flexible tube is first enlarged using heat and then pressed onto the connecting sleeve integrated into the connector body. Locking is via a knurled nut.



Connection principle 1M 253
 Very compact connector for PFA-, Silicone- or Tygon®-tubes. They comprise a connector body with an integrated conical barb, a knurled nut to fix the flexible tube and a slit clamping ring.



Row terminals 1R 259
 Different types of connections for flexible tube with a special grid foot for lining up on mounting rails and top-hat rails.

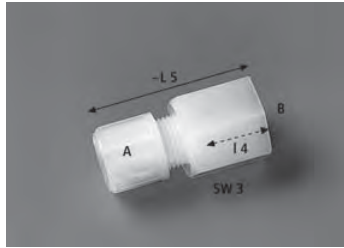


- 1) Thread manufactured without seam ⇒ High tightness, long term stability
- 2) Hexagon manufactured according to DIN
- 3) Tube strain does not exceed 6% ⇒ Molecular structure of the flexible tube is preserved
- 4) Thread manufactured according to DIN, USAS or JIS ⇒ Various connection options
- 5) Connecting sleeve manufactured without seam ⇒ High tightness, long term stability
- 6) Connector available in PA, PP, PVDF ⇒ High media resistance

The connection principle used in Series 1A from EM-TECHNIK entails pushing the flexible tube onto an integrated connecting sleeve. The flexible tube is secured in place by a clamping ring, which is forced against the flexible tube by a knurled nut. The connecting sleeve for the flexible tube is nearly cylindrical. Its dimensions are calculated to prevent tube strain of more than 6% even with poor tolerances. The tension produced by the low tube strain is sufficient, however, to guarantee a tight tube connection up to 6 bar. Clamping ring and knurled nut secure the connection against longitudinal forces which could otherwise pull the flexible tube off the sleeve. The clamping ring is also designed to secure the flexible tube in place by intercepting any shear or torsional stresses. Thanks to its elasticity, the clamping ring can be used several times in the same connector.

Straight connector for tube (Series 1A) with female G-thread

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Article-Nr	Connection A	Connection B	Material
1A100FG0512PP	DN1/6"/1/4"	G1/2"	PP
1A100FG0514PP	DN1/6"/1/4"	G1/4"	PP
1A100FG0514PV	DN1/6"/1/4"	G1/4"	PVDF
1A100FG0518PV	DN1/6"/1/4"	G1/8"	PVDF
1A100FG0538PP	DN1/6"/1/4"	G3/8"	PP
1A100FG1112PP	DN1/4"/3/8"	G1/2"	PP
1A100FG1114PV	DN1/4"/3/8"	G1/4"	PVDF
1A100FG1118PP	DN1/4"/3/8"	G1/8"	PP
1A100FG1118PV	DN1/4"/3/8"	G1/8"	PVDF
1A100FG1138PP	DN1/4"/3/8"	G3/8"	PP
1A100FG1138PV	DN1/4"/3/8"	G3/8"	PVDF
1A100FG1238PP	DN5/16"/3/8"	G3/8"	PP
1A100FG1512PP	DN3/8"/1/2"	G1/2"	PP
1A100FG1538PP	DN3/8"/1/2"	G3/8"	PP
1A100FG1538PV	DN3/8"/1/2"	G3/8"	PVDF
1A100FG4012PN	DN04/06	G1/2"	PP-NATUR
1A100FG4012PP	DN04/06	G1/2"	PP
1A100FG4012PV	DN04/06	G1/2"	PVDF
1A100FG4014PN	DN04/06	G1/4"	PP-NATUR
1A100FG4014PP	DN04/06	G1/4"	PP
1A100FG4014PV	DN04/06	G1/4"	PVDF
1A100FG4018PN	DN04/06	G1/8"	PP-NATUR
1A100FG4018PP	DN04/06	G1/8"	PP
1A100FG4018PV	DN04/06	G1/8"	PVDF
1A100FG4034PN	DN04/06	G3/4"	PP-NATUR
1A100FG4038PN	DN04/06	G3/8"	PP-NATUR
1A100FG4038PP	DN04/06	G3/8"	PP
1A100FG4038PV	DN04/06	G3/8"	PVDF
1A100FG4212PP	DN05/08	G1/2"	PP
1A100FG4212PV	DN05/08	G1/2"	PVDF
1A100FG4214PP	DN05/08	G1/4"	PP
1A100FG4214PV	DN05/08	G1/4"	PVDF
1A100FG4218PP	DN05/08	G1/8"	PP
1A100FG4218PV	DN05/08	G1/8"	PVDF
1A100FG4238PP	DN05/08	G3/8"	PP
1A100FG4238PV	DN05/08	G3/8"	PVDF
1A100FG4312PN	DN06/08	G1/2"	PP-NATUR
1A100FG4312PP	DN06/08	G1/2"	PP
1A100FG4312PV	DN06/08	G1/2"	PVDF
1A100FG4314PN	DN06/08	G1/4"	PP-NATUR
1A100FG4314PP	DN06/08	G1/4"	PP
1A100FG4314PV	DN06/08	G1/4"	PVDF
1A100FG4318PN	DN06/08	G1/8"	PP-NATUR
1A100FG4318PP	DN06/08	G1/8"	PP
1A100FG4318PV	DN06/08	G1/8"	PVDF
1A100FG4334PP	DN06/08	G3/4"	PP
1A100FG4338PN	DN06/08	G3/8"	PP-NATUR
1A100FG4338PP	DN06/08	G3/8"	PP
1A100FG4338PV	DN06/08	G3/8"	PVDF
1A100FG4358PP	DN06/08	G5/8"	PP
1A100FG4412PP	DN06/10	G1/2"	PP
1A100FG4412PV	DN06/10	G1/2"	PVDF
1A100FG4414PP	DN06/10	G1/4"	PP
1A100FG4414PV	DN06/10	G1/4"	PVDF
1A100FG4418PP	DN06/10	G1/8"	PP
1A100FG4418PV	DN06/10	G1/8"	PVDF
1A100FG4438PP	DN06/10	G3/8"	PP
1A100FG4438PV	DN06/10	G3/8"	PVDF
1A100FG4458PV	DN06/10	G5/8"	PVDF
1A100FG4512PN	DN08/10	G1/2"	PP-NATUR
1A100FG4512PP	DN08/10	G1/2"	PP
1A100FG4512PV	DN08/10	G1/2"	PVDF

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Straight connector for tube (Series 1A) with female G-thread

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Article-Nr	Connection A	Connection B	Material
1A100FG4514PN	DN08/10	G1/4"	PP-NATUR
1A100FG4514PP	DN08/10	G1/4"	PP
1A100FG4514PV	DN08/10	G1/4"	PVDF
1A100FG4518PP	DN08/10	G1/8"	PP
1A100FG4518PV	DN08/10	G1/8"	PVDF
1A100FG4538PN	DN08/10	G3/8"	PP-NATUR
1A100FG4538PP	DN08/10	G3/8"	PP
1A100FG4538PV	DN08/10	G3/8"	PVDF
1A100FG4612PP	DN08/12	G1/2"	PP
1A100FG4612PV	DN08/12	G1/2"	PVDF
1A100FG4614PP	DN08/12	G1/4"	PP
1A100FG4614PV	DN08/12	G1/4"	PVDF
1A100FG4618PP	DN08/12	G1/8"	PP
1A100FG4618PV	DN08/12	G1/8"	PVDF
1A100FG4634PP	DN08/12	G3/4"	PP
1A100FG4634PV	DN08/12	G3/4"	PVDF
1A100FG4638PP	DN08/12	G3/8"	PP
1A100FG4638PV	DN08/12	G3/8"	PVDF
1A100FG4712PP	DN09/12	G1/2"	PP
1A100FG4712PV	DN09/12	G1/2"	PVDF
1A100FG4714PP	DN09/12	G1/4"	PP
1A100FG4714PV	DN09/12	G1/4"	PVDF
1A100FG4734PP	DN09/12	G3/4"	PP
1A100FG4738PP	DN09/12	G3/8"	PP
1A100FG4738PV	DN09/12	G3/8"	PVDF
1A100FG4812PN	DN10/12	G1/2"	PP-NATUR
1A100FG4812PP	DN10/12	G1/2"	PP
1A100FG4812PV	DN10/12	G1/2"	PVDF
1A100FG4814PN	DN10/12	G1/4"	PP-NATUR
1A100FG4814PP	DN10/12	G1/4"	PP
1A100FG4814PV	DN10/12	G1/4"	PVDF
1A100FG4818PP	DN10/12	G1/8"	PP
1A100FG4818PV	DN10/12	G1/8"	PVDF
1A100FG4834PP	DN10/12	G3/4"	PP
1A100FG4834PV	DN10/12	G3/4"	PVDF
1A100FG4838PN	DN10/12	G3/8"	PP-NATUR
1A100FG4838PP	DN10/12	G3/8"	PP
1A100FG4838PV	DN10/12	G3/8"	PVDF
1A100FG4912PP	DN10/14	G1/2"	PP
1A100FG4912PV	DN10/14	G1/2"	PVDF
1A100FG4914PP	DN10/14	G1/4"	PP
1A100FG4914PV	DN10/14	G1/4"	PVDF
1A100FG4918PP	DN10/14	G1/8"	PP
1A100FG4918PV	DN10/14	G1/8"	PVDF
1A100FG4934PV	DN10/14	G3/4"	PVDF
1A100FG4938PP	DN10/14	G3/8"	PP
1A100FG4938PV	DN10/14	G3/8"	PVDF
1A100FG5112PN	DN12/14	G1/2"	PP-NATUR
1A100FG5112PP	DN12/14	G1/2"	PP
1A100FG5112PV	DN12/14	G1/2"	PVDF
1A100FG5114PP	DN12/14	G1/4"	PP
1A100FG5114PV	DN12/14	G1/4"	PVDF
1A100FG5118PP	DN12/14	G1/8"	PP
1A100FG5118PV	DN12/14	G1/8"	PVDF
1A100FG5134PP	DN12/14	G3/4"	PP
1A100FG5134PV	DN12/14	G3/4"	PVDF
1A100FG5138PP	DN12/14	G3/8"	PP
1A100FG5138PV	DN12/14	G3/8"	PVDF
1A100FG5212PP	DN12/16	G1/2"	PP
1A100FG5212PV	DN12/16	G1/2"	PVDF
1A100FG5218PP	DN12/16	G1/8"	PP
1A100FG5234PP	DN12/16	G3/4"	PP

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Straight connector for tube (Series 1A) with female G-thread

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Article-Nr	Connection A	Connection B	Material
1A100FG5238PP	DN12/16	G3/8"	PP
1A100FG5238PV	DN12/16	G3/8"	PVDF
1A100FG5312PP	DN14/16	G1/2"	PP
1A100FG5312PV	DN14/16	G1/2"	PVDF
1A100FG5314PV	DN14/16	G1/4"	PVDF
1A100FG5412PP	DN14/18	G1/2"	PP
1A100FG5414PP	DN14/18	G1/4"	PP
1A100FG5512PP	DN16/18	G1/2"	PP
1A100FG5512PV	DN16/18	G1/2"	PVDF
1A100FG5612PP	DN16/20	G1/2"	PP
1A100FG5612PV	DN16/20	G1/2"	PVDF
1A100FG5638PP	DN16/20	G3/8"	PP
1A100FG5638PV	DN16/20	G3/8"	PVDF
1A100FG5712PV	DN18/20	G1/2"	PVDF
1A100FG5734PV	DN18/20	G3/4"	PVDF

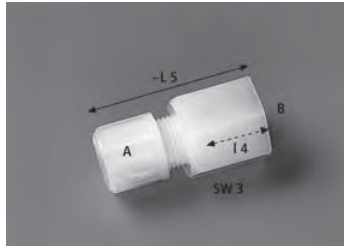
Dimensions 1A100FG . . . , 1C100FG . . .

	A(DN)		B(G)	l4	~L5*	SW3	
4/6			1/6"/1/4"	1/8"	10	31	14
4/6			1/6"/1/4"	1/4"	15	36	17
4/6			1/6"/1/4"	3/8"	15	36	22
4/6			1/6"/1/4"	1/2"	16	38	27
5/8	6/8		1/8"	10	36	17	
5/8	6/8		1/4"	15	41	17	
5/8	6/8		3/8"	15	41	22	
5/8	6/8		1/2"	16	42	27	
6/9			1/8"	10		17	
6/9			1/4"	15		17	
6/9			3/8"	15		22	
6/9			1/2"	16		27	
6/10	8/10		1/4"/3/8"	1/8"	10	39	19
6/10	8/10		1/4"/3/8"	1/4"	15	44	19
6/10	8/10		1/4"/3/8"	3/8"	15	44	22
6/10	8/10		1/4"/3/8"	1/2"	16	45	27
8/12	9/12	10/12	3/8"/1/2"	1/8"	10	43	19
8/12	9/12	10/12	3/8"/1/2"	1/4"	15	48	22
8/12	9/12	10/12	3/8"/1/2"	3/8"	15	48	22
8/12	9/12	10/12	3/8"/1/2"	1/2"	16	49	27
8/12	9/12	10/12	3/8"/1/2"	3/4"	20	53	32
10/14	12/14		1/8"	10	48	24	
10/14	12/14		1/4"	15	53	24	
10/14	12/14		3/8"	15	53	24	
10/14	12/14		1/2"	16	54	27	
10/14	12/14		3/4"	20	58	32	
12/16	14/16		1/8"	10	50	27	
12/16	14/16		1/4"	15	55	27	
12/16	14/16		3/8"	15	55	27	
12/16	14/16		1/2"	16	56	27	
12/16	14/16		3/4"	20	60	32	
14/18	16/18		1/4"	15	58	27	
14/18	16/18		3/8"	15	58	27	
14/18	16/18		1/2"	16	59	27	
14/18	16/18		3/4"	20	63	32	
16/20	18/20		5/8"/3/4"	3/8"	15	61	30
16/20	18/20		5/8"/3/4"	1/2"	16	62	30
16/20	18/20		5/8"/3/4"	3/4"	20	65	32

* for connections in inch add 2 mm per side

**Straight connector for flexible tube (Serie 1A)
with female M-thread**

1



Article-Nr	Connection A	Connection B	Material
1A100FM0623PP	DN3/16"/1/4"	M20x1,5	PP
1A100FM0623PV	DN3/16"/1/4"	M20x1,5	PVDF
1A100FM1123PP	DN1/4"/3/8"	M20x1,5	PP
1A100FM1123PV	DN1/4"/3/8"	M20x1,5	PVDF
1A100FM1223PP	DN5/16"/3/8"	M20x1,5	PP
1A100FM1223PV	DN5/16"/3/8"	M20x1,5	PVDF
1A100FM1523PP	DN3/8"/1/2"	M20x1,5	PP
1A100FM1523PV	DN3/8"/1/2"	M20x1,5	PVDF
1A100FM4006PP	DN04/06	M6	PP
1A100FM4006PV	DN04/06	M6	PVDF
1A100FM4011PP	DN04/06	M10x1	PP
1A100FM4011PV	DN04/06	M10x1	PVDF
1A100FM4012PP	DN04/06	M10x1,5	PP
1A100FM4012PV	DN04/06	M10x1,5	PVDF
1A100FM4014PP	DN04/06	M12x1	PP
1A100FM4014PV	DN04/06	M12x1	PVDF
1A100FM4015PP	DN04/06	M12x1,5	PP
1A100FM4015PV	DN04/06	M12x1,5	PVDF
1A100FM4017PP	DN04/06	M14x1,5	PP
1A100FM4017PV	DN04/06	M14x1,5	PVDF
1A100FM4019PP	DN04/06	M16x1,5	PP
1A100FM4019PV	DN04/06	M16x1,5	PVDF
1A100FM4021PP	DN04/06	M18x1,5	PP
1A100FM4021PV	DN04/06	M18x1,5	PVDF
1A100FM4023PP	DN04/06	M20x1,5	PP
1A100FM4023PV	DN04/06	M20x1,5	PVDF
1A100FM4024PP	DN04/06	M22x1,5	PP
1A100FM4070PP	DN04/06	M6x0,75	PP
1A100FM4311PP	DN06/08	M10x1	PP
1A100FM4311PV	DN06/08	M10x1	PVDF
1A100FM4312PP	DN06/08	M10x1,5	PP
1A100FM4312PV	DN06/08	M10x1,5	PVDF
1A100FM4315PP	DN06/08	M12x1,5	PP
1A100FM4315PV	DN06/08	M12x1,5	PVDF
1A100FM4317PP	DN06/08	M14x1,5	PP
1A100FM4317PV	DN06/08	M14x1,5	PVDF
1A100FM4319PP	DN06/08	M16x1,5	PP
1A100FM4319PV	DN06/08	M16x1,5	PVDF
1A100FM4321PP	DN06/08	M18x1,5	PP
1A100FM4321PV	DN06/08	M18x1,5	PVDF
1A100FM4323PV	DN06/08	M20x1,5	PVDF
1A100FM4412PP	DN06/10	M10x1,5	PP
1A100FM4412PV	DN06/10	M10x1,5	PVDF
1A100FM4415PP	DN06/10	M12x1,5	PP
1A100FM4415PV	DN06/10	M12x1,5	PVDF
1A100FM4417PP	DN06/10	M14x1,5	PP
1A100FM4417PV	DN06/10	M14x1,5	PVDF
1A100FM4419PP	DN06/10	M16x1,5	PP
1A100FM4419PV	DN06/10	M16x1,5	PVDF
1A100FM4421PP	DN06/10	M18x1,5	PP
1A100FM4421PV	DN06/10	M18x1,5	PVDF
1A100FM4423PP	DN06/10	M20x1,5	PP
1A100FM4512PP	DN08/10	M10x1,5	PP
1A100FM4512PV	DN08/10	M10x1,5	PVDF
1A100FM4515PP	DN08/10	M12x1,5	PP
1A100FM4515PV	DN08/10	M12x1,5	PVDF
1A100FM4517PP	DN08/10	M14x1,5	PP
1A100FM4517PV	DN08/10	M14x1,5	PVDF
1A100FM4519PP	DN08/10	M16x1,5	PP
1A100FM4519PV	DN08/10	M16x1,5	PVDF
1A100FM4521PP	DN08/10	M18x1,5	PP
1A100FM4521PV	DN08/10	M18x1,5	PVDF

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Straight connector for flexible tube (Serie 1A)
with female M-thread

1

Article-Nr	Connection A	Connection B	Material
1A100FM4523PP	DN08/10	M20x1,5	PP
1A100FM4523PV	DN08/10	M20x1,5	PVDF
1A100FM4615PP	DN08/12	M12x1,5	PP
1A100FM4615PV	DN08/12	M12x1,5	PVDF
1A100FM4617PP	DN08/12	M14x1,5	PP
1A100FM4617PV	DN08/12	M14x1,5	PVDF
1A100FM4619PP	DN08/12	M16x1,5	PP
1A100FM4619PV	DN08/12	M16x1,5	PVDF
1A100FM4621PP	DN08/12	M18x1,5	PP
1A100FM4621PV	DN08/12	M18x1,5	PVDF
1A100FM4624PP	DN08/12	M22x1,5	PP
1A100FM4721PV	DN09/12	M18x1,5	PVDF
1A100FM4723PP	DN09/12	M20x1,5	PP
1A100FM4723PV	DN09/12	M20x1,5	PVDF
1A100FM4815PP	DN10/12	M12x1,5	PP
1A100FM4815PV	DN10/12	M12x1,5	PVDF
1A100FM4817PP	DN10/12	M14x1,5	PP
1A100FM4817PV	DN10/12	M14x1,5	PVDF
1A100FM4819PP	DN10/12	M16x1,5	PP
1A100FM4819PV	DN10/12	M16x1,5	PVDF
1A100FM4821PP	DN10/12	M18x1,5	PP
1A100FM4821PV	DN10/12	M18x1,5	PVDF
1A100FM4823PP	DN10/12	M20x1,5	PP
1A100FM4823PV	DN10/12	M20x1,5	PVDF
1A100FM4915PP	DN10/14	M12x1,5	PP
1A100FM4915PV	DN10/14	M12x1,5	PVDF
1A100FM4917PP	DN10/14	M14x1,5	PP
1A100FM4917PV	DN10/14	M14x1,5	PVDF
1A100FM4919PP	DN10/14	M16x1,5	PP
1A100FM4919PV	DN10/14	M16x1,5	PVDF
1A100FM4921PP	DN10/14	M18x1,5	PP
1A100FM4921PV	DN10/14	M18x1,5	PVDF
1A100FM4923PP	DN10/14	M18x1,5	PP
1A100FM5115PP	DN12/14	M12x1,5	PP
1A100FM5115PV	DN12/14	M12x1,5	PVDF
1A100FM5117PP	DN12/14	M14x1,5	PP
1A100FM5117PV	DN12/14	M14x1,5	PVDF
1A100FM5119PP	DN12/14	M16x1,5	PP
1A100FM5119PV	DN12/14	M16x1,5	PVDF
1A100FM5121PP	DN12/14	M18x1,5	PP
1A100FM5121PV	DN12/14	M18x1,5	PVDF
1A100FM5423PP	DN14/18	M20x1,5	PP
1A100FM5524PV	DN16/18	M22x1,5	PVDF

Dimensions 1A100FM... , 1C100FM...

	A(DN)	B(M)	l4	~L5	SW3
4/6		5	8		12
4/6		6	10		12
4/6		10x1	10	31	14
4/6		10x1,5	10	31	14
4/6		12x1,5	15	36	17
4/6		14x1,5	15	36	19
4/6		16x1,5	15.5	36	22
4/6		18x1,5	16.5	38	24
4/6		20x1,5	16.5	38	27
5/8	6/8	10x1	10	35	17
5/8	6/8	10x1,5	10	35	17
5/8	6/8	12x1,5	15	40	17
5/8	6/8	14x1,5	15	40	19
5/8	6/8	16x1,5	15.5	40	22
5/8	6/8	18x1,5	16.5	41	24

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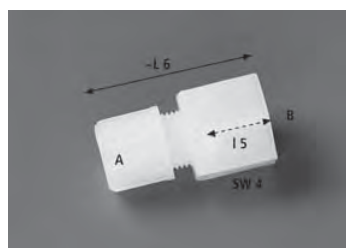
**Straight connector for flexible tube (Serie 1A)
with female M-thread**

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	A(DN)		B(M)	l4	~L5	SW3
5/8	6/8		20x1,5	16.5	41	27
6/9			10x1	10		17
6/9			10x1,5	10		17
6/9			12x1,5	15		17
6/9			14x1,5	15		19
6/9			16x1,5	15.5		22
6/9			18x1,5	16.5		24
6/9			20x1,5	16.5		27
6/10	8/10		10x1	10	38	19
6/10	8/10		10x1,5	10	38	19
6/10	8/10		12x1,5	15	43	19
6/10	8/10		14x1,5	15	43	19
6/10	8/10		16x1,5	15.5	43	22
6/10	8/10		18x1,5	16.5	44	24
6/10	8/10		20x1,5	16.5	44	27
8/12	9/12	10/12	12x1,5	15	45	22
8/12	9/12	10/12	14x1,5	15	45	22
8/12	9/12	10/12	16x1,5	15.5	47	22
8/12	9/12	10/12	18x1,5	16.5	48	24
8/12	9/12	10/12	20x1,5	16.5	48	27
8/12	9/12	10/12	22x1,5	18	51	27
10/14	12/14		12x1,5	15	52	24
10/14	12/14		14x1,5	15	52	24
10/14	12/14		16x1,5	15.5	53	24
10/14	12/14		18x1,5	16.5	53	24
10/14	12/14		20x1,5	16.5	53	27
12/16	14/16		14x1,5	15	53	27
12/16	14/16		16x1,5	15.5	54	27
12/16	14/16		18x1,5	16.5	55	27
12/16	14/16		20x1,5	16.5	55	27
14/18	16/18		18x1,5	16.5	57	27
14/18	16/18		20x1,5	16.5	57	27
14/18	16/18		22x1,5	18	59	27
14/18	16/18		24x1,5	18.5	60	32
16/20	18/20		20x1,5	16.5	60	32
16/20	18/20		22x1,5	18	61	32
16/20	18/20		24x1,5	18.5	61	32

Straight connector for flexible tube (Series 1A) with female NPT-thread

1



Article-Nr	Connection A	Connection B	Material
1A100FN0314PP	DN1/8"/1/4"	NPT1/4"	PP
1A100FN0314PV	DN1/8"/1/4"	NPT1/4"	PVDF
1A100FN0418PV	DN5/32"/1/4"	NPT1/8"	PVDF
1A100FN0514PV	DN1/6"/1/4"	NPT1/4"	PVDF
1A100FN0518PP	DN1/6"/1/4"	NPT1/8"	PP
1A100FN0618PV	DN3/16"/1/4"	NPT1/8"	PVDF
1A100FN1114PV	DN1/4"/3/8"	NPT1/4"	PVDF
1A100FN1138PV	DN1/4"/3/8"	NPT3/8"	PVDF
1A100FN1514PV	DN3/8"/1/2"	NPT1/4"	PVDF
1A100FN4012PN	DN04/06	NPT1/2"	PP-NATUR
1A100FN4012PP	DN04/06	NPT1/2"	PP
1A100FN4012PV	DN04/06	NPT1/2"	PVDF
1A100FN4014PN	DN04/06	NPT1/4"	PP-NATUR
1A100FN4014PP	DN04/06	NPT1/4"	PP
1A100FN4014PV	DN04/06	NPT1/4"	PVDF
1A100FN4018PN	DN04/06	NPT1/8"	PP-NATUR
1A100FN4018PP	DN04/06	NPT1/8"	PP
1A100FN4018PV	DN04/06	NPT1/8"	PVDF
1A100FN4038PN	DN04/06	NPT3/8"	PP-NATUR
1A100FN4038PP	DN04/06	NPT3/8"	PP
1A100FN4038PV	DN04/06	NPT3/8"	PVDF
1A100FN4238PP	DN05/08	NPT3/8"	PP
1A100FN4312PN	DN06/08	NPT1/2"	PP-NATUR
1A100FN4312PP	DN06/08	NPT1/2"	PP
1A100FN4312PV	DN06/08	NPT1/2"	PVDF
1A100FN4314PN	DN06/08	NPT1/4"	PP-NATUR
1A100FN4314PP	DN06/08	NPT1/4"	PP
1A100FN4314PV	DN06/08	NPT1/4"	PVDF
1A100FN4318PP	DN06/08	NPT1/8"	PP
1A100FN4318PV	DN06/08	NPT1/8"	PVDF
1A100FN4338PP	DN06/08	NPT3/8"	PP
1A100FN4338PV	DN06/08	NPT3/8"	PVDF
1A100FN4412PP	DN06/10	NPT1/2"	PP
1A100FN4412PV	DN06/10	NPT1/2"	PVDF
1A100FN4414PP	DN06/10	NPT1/4"	PP
1A100FN4414PV	DN06/10	NPT1/4"	PVDF
1A100FN4418PP	DN06/10	NPT1/8"	PP
1A100FN4418PV	DN06/10	NPT1/8"	PVDF
1A100FN4438PP	DN06/10	NPT3/8"	PP
1A100FN4438PV	DN06/10	NPT3/8"	PVDF
1A100FN4512PP	DN08/10	NPT1/2"	PP
1A100FN4512PV	DN08/10	NPT1/2"	PVDF
1A100FN4514PN	DN08/10	NPT1/4"	PP-NATUR
1A100FN4514PP	DN08/10	NPT1/4"	PP
1A100FN4514PV	DN08/10	NPT1/4"	PVDF
1A100FN4518PP	DN08/10	NPT1/8"	PP
1A100FN4518PV	DN08/10	NPT1/8"	PVDF
1A100FN4538PP	DN08/10	NPT3/8"	PP
1A100FN4538PV	DN08/10	NPT3/8"	PVDF
1A100FN4612PP	DN08/12	NPT1/2"	PP
1A100FN4612PV	DN08/12	NPT1/2"	PVDF
1A100FN4614PP	DN08/12	NPT1/4"	PP
1A100FN4614PV	DN08/12	NPT1/4"	PVDF
1A100FN4618PP	DN08/12	NPT1/8"	PP
1A100FN4618PV	DN08/12	NPT1/8"	PVDF
1A100FN4638PP	DN08/12	NPT3/8"	PP
1A100FN4638PV	DN08/12	NPT3/8"	PVDF
1A100FN4738PP	DN09/12	NPT3/8"	PP
1A100FN4812PN	DN10/12	NPT1/2"	PP-NATUR
1A100FN4812PP	DN10/12	NPT1/2"	PP
1A100FN4812PV	DN10/12	NPT1/2"	PVDF
1A100FN4814PN	DN10/12	NPT1/4"	PP-NATUR

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**Straight connector for flexible tube (Series 1A)
with female NPT-thread**

1

Article-Nr	Connection A	Connection B	Material
1A100FN4814PP	DN10/12	NPT1/4"	PP
1A100FN4814PV	DN10/12	NPT1/4"	PVDF
1A100FN4818PP	DN10/12	NPT1/8"	PP
1A100FN4818PV	DN10/12	NPT1/8"	PVDF
1A100FN4834PV	DN10/12	NPT3/4"	PVDF
1A100FN4838PN	DN10/12	NPT3/8"	PP-NATUR
1A100FN4838PP	DN10/12	NPT3/8"	PP
1A100FN4838PV	DN10/12	NPT3/8"	PVDF
1A100FN4912PN	DN10/14	NPT1/2"	PP-NATUR
1A100FN4912PP	DN10/14	NPT1/2"	PP
1A100FN4912PV	DN10/14	NPT1/2"	PVDF
1A100FN4914PP	DN10/14	NPT1/4"	PP
1A100FN4914PV	DN10/14	NPT1/4"	PVDF
1A100FN4918PP	DN10/14	NPT1/8"	PP
1A100FN4918PV	DN10/14	NPT1/8"	PVDF
1A100FN4938PP	DN10/14	NPT3/8"	PP
1A100FN4938PV	DN10/14	NPT3/8"	PVDF
1A100FN5112PP	DN12/14	NPT1/2"	PP
1A100FN5112PV	DN12/14	NPT1/2"	PVDF
1A100FN5114PP	DN12/14	NPT1/4"	PP
1A100FN5114PV	DN12/14	NPT1/4"	PVDF
1A100FN5118PP	DN12/14	NPT1/8"	PP
1A100FN5118PV	DN12/14	NPT1/8"	PVDF
1A100FN5138PP	DN12/14	NPT3/8"	PP
1A100FN5138PV	DN12/14	NPT3/8"	PVDF
1A100FN5212PP	DN12/16	NPT1/2"	PP
1A100FN5212PV	DN12/16	NPT1/2"	PVDF
1A100FN5214PP	DN12/16	NPT1/4"	PP
1A100FN5214PV	DN12/16	NPT1/4"	PVDF
1A100FN5238PP	DN12/16	NPT3/8"	PP
1A100FN5238PV	DN12/16	NPT3/8"	PVDF
1A100FN5312PP	DN14/16	NPT1/2"	PP
1A100FN5312PV	DN14/16	NPT1/2"	PVDF
1A100FN5314PP	DN14/16	NPT1/4"	PP
1A100FN5314PV	DN14/16	NPT1/4"	PVDF
1A100FN5338PP	DN14/16	NPT3/8"	PP
1A100FN5338PV	DN14/16	NPT3/8"	PVDF

Dimensions 1A100FN... , 1C100FN...

	A(DN)		B(NPT)	I5	~L6*	SW4	
4/6		1/6"/1/4"	1/8"	11.6	32	14	
4/6		1/6"/1/4"	1/4"	16.4	38	17	
4/6		1/6"/1/4"	3/8"	17.4	39	22	
4/6		1/6"/1/4"	1/2"	22.6	47	27	
5/8	6/8		1/8"	11.6	35	19	
5/8	6/8		1/4"	16.4	41	19	
5/8	6/8		3/8"	17.4	42	22	
5/8	6/8		1/2"	22.6	48	27	
6/9			1/8"	11.6			
6/9			1/4"	16.4			
6/9			3/8"	17.4			
6/9			1/2"	22.6			
6/10	8/10	1/4"/3/8"	1/8"	11.6	38	22	
6/10	8/10	1/4"/3/8"	1/4"	16.4	43	22	
6/10	8/10	1/4"/3/8"	3/8"	17.4	44	22	
6/10	8/10	1/4"/3/8"	1/2"	22.6	51	27	
8/12	9/12	10/12	3/8"/1/2"	1/4"	16.4	48	24
8/12	9/12	10/12	3/8"/1/2"	3/8"	17.4	49	24
8/12	9/12	10/12	3/8"/1/2"	1/2"	22.6	53	27
8/12	9/12	10/12	3/8"/1/2"	3/4"	23.1	55	32
10/14	12/14		1/4"	16.4	53	24	

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**Straight connector for flexible tube (Series 1A)
with female NPT-thread**

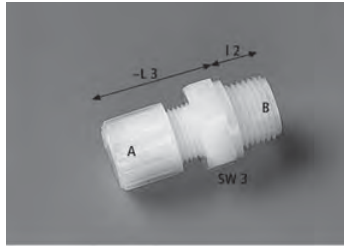
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	A(DN)		B(NPT)	I5	~L6*	SW4
10/14	12/14		3/8"	17.4	54	24
10/14	12/14		1/2"	22.6	59	27
10/14	12/14		3/4"	23.1	60	32
12/16	14/16		3/8"	17.4	56	27
12/16	14/16		1/2"	22.6	61	27
12/16	14/16		3/4"	23.1	62	32
14/18	16/18		1/2"	22.6	63	27
14/18	16/18		3/4"	23.1	64	32
		5/8"/3/4"	1/4"	16.4		32
		5/8"/3/4"	3/8"	17.4		32
16/20	18/20	5/8"/3/4"	1/2"	22.6	66	32
16/20	18/20	5/8"/3/4"	3/4"	23.1	67	32

* for connections in inch add 2 mm per side

**Straight connector for flexible tube (Series 1A)
with male G-thread**

1



Article-Nr	Connection A	Connection B	Material
1A100MG0312PP	DN1/8"/1/4"	G1/2"	PP
1A100MG0312PV	DN1/8"/1/4"	G1/2"	PVDF
1A100MG0314PP	DN1/8"/1/4"	G1/4"	PP
1A100MG0314PPFP	DN1/8"/1/4"	G1/4"	PP/FPM
1A100MG0314PV	DN1/8"/1/4"	G1/4"	PVDF
1A100MG0314PVFP	DN1/8"/1/4"	G1/4"	PVDF/FPM
1A100MG0318PP	DN1/8"/1/4"	G1/8"	PP
1A100MG0318PPFP	DN1/8"/1/4"	G1/8"	PP/FPM
1A100MG0318PV	DN1/8"/1/4"	G1/8"	PVDF
1A100MG0338PP	DN1/8"/1/4"	G3/8"	PP
1A100MG0338PV	DN1/8"/1/4"	G3/8"	PVDF
1A100MG0512PP	DN1/6"/1/4"	G1/2"	PP
1A100MG0512PV	DN1/6"/1/4"	G1/2"	PVDF
1A100MG0514PP	DN1/6"/1/4"	G1/4"	PP
1A100MG0514PV	DN1/6"/1/4"	G1/4"	PVDF
1A100MG0518PP	DN1/6"/1/4"	G1/8"	PP
1A100MG0518PV	DN1/6"/1/4"	G1/8"	PVDF
1A100MG0538PP	DN1/6"/1/4"	G3/8"	PP
1A100MG0538PV	DN1/6"/1/4"	G3/8"	PVDF
1A100MG0612PV	DN3/16"/1/4"	G1/2"	PVDF
1A100MG0614PV	DN3/16"/1/4"	G1/4"	PVDF
1A100MG0618PV	DN3/16"/1/4"	G1/8"	PVDF
1A100MG1112PP	DN1/4"/3/8"	G1/2"	PP
1A100MG1112PV	DN1/4"/3/8"	G1/2"	PVDF
1A100MG1114PP	DN1/4"/3/8"	G1/4"	PP
1A100MG1114PPFP	DN1/4"/3/8"	G1/4"	PP/FPM
1A100MG1114PV	DN1/4"/3/8"	G1/4"	PVDF
1A100MG1118PP	DN1/4"/3/8"	G1/8"	PP
1A100MG1118PV	DN1/4"/3/8"	G1/8"	PVDF
1A100MG1134PP	DN1/4"/3/8"	G3/4"	PP
1A100MG1138PP	DN1/4"/3/8"	G3/8"	PP
1A100MG1138PV	DN1/4"/3/8"	G3/8"	PVDF
1A100MG1218PV	DN5/16"/3/8"	G1/8"	PVDF
1A100MG1238PV	DN5/16"/3/8"	G3/8"	PVDF
1A100MG1512PP	DN3/8"/1/2"	G1/2"	PP
1A100MG1512PV	DN3/8"/1/2"	G1/2"	PVDF
1A100MG1514PP	DN3/8"/1/2"	G1/4"	PP
1A100MG1514PV	DN3/8"/1/2"	G1/4"	PVDF
1A100MG1538PP	DN3/8"/1/2"	G3/8"	PP
1A100MG1538PV	DN3/8"/1/2"	G3/8"	PVDF
1A100MG2012PP	DN5/8"/3/4"	G1/2"	PP
1A100MG2012PV	DN5/8"/3/4"	G1/2"	PVDF
1A100MG2034PV	DN5/8"/3/4"	G3/4"	PVDF
1A100MG4012PAFP	DN04/06	G1/2"	PA/FPM
1A100MG4012PN	DN04/06	G1/2"	PP-NATUR
1A100MG4012PP	DN04/06	G1/2"	PP
1A100MG4012PPEP	DN04/06	G1/2"	PP/EPDM
1A100MG4012PPFP	DN04/06	G1/2"	PP/FPM
1A100MG4012PV	DN04/06	G1/2"	PVDF
1A100MG4012PVVEP	DN04/06	G1/2"	PVDF/EPDM
1A100MG4012PVFP	DN04/06	G1/2"	PVDF/FPM
1A100MG4014PAEP	DN04/06	G1/4"	PA/EPDM
1A100MG4014PAFP	DN04/06	G1/4"	PA/FPM
1A100MG4014PN	DN04/06	G1/4"	PP-NATUR
1A100MG4014PNFP	DN04/06	G1/4"	PP-NATUR/FPM
1A100MG4014PP	DN04/06	G1/4"	PP
1A100MG4014PEL	DN04/06	G1/4"	PP- CONDUCTIVE
1A100MG4014PEP	DN04/06	G1/4"	PP/EPDM
1A100MG4014PPFP	DN04/06	G1/4"	PP/FPM
1A100MG4014PV	DN04/06	G1/4"	PVDF
1A100MG4014VEP	DN04/06	G1/4"	PVDF/EPDM

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Straight connector for flexible tube (Series 1A)
with male G-thread

1

Article-Nr	Connection A	Connection B	Material
1A100MG4014PVFP	DN04/06	G1/4"	PVDF/FPM
1A100MG4018PAEP	DN04/06	G1/8"	PA/EPDM
1A100MG4018PAFP	DN04/06	G1/8"	PA/FPM
1A100MG4018PN	DN04/06	G1/8"	PP-NATUR
1A100MG4018PNFP	DN04/06	G1/8"	PP-NATUR/FPM
1A100MG4018PP	DN04/06	G1/8"	PP
1A100MG4018PPEP	DN04/06	G1/8"	PP/EPDM
1A100MG4018PPFP	DN04/06	G1/8"	PP/FPM
1A100MG4018PV	DN04/06	G1/8"	PVDF
1A100MG4018PVEP	DN04/06	G1/8"	PVDF/EPDM
1A100MG4018PVFP	DN04/06	G1/8"	PVDF/FPM
1A100MG4034PP	DN04/06	G3/4"	PP
1A100MG4034PV	DN04/06	G3/4"	PVDF
1A100MG4034PVFP	DN04/06	G3/4"	PVDF/FPM
1A100MG4038PN	DN04/06	G3/8"	PP-NATUR
1A100MG4038PP	DN04/06	G3/8"	PP
1A100MG4038PPEP	DN04/06	G3/8"	PP/EPDM
1A100MG4038PPFP	DN04/06	G3/8"	PP/FPM
1A100MG4038PV	DN04/06	G3/8"	PVDF
1A100MG4038PVFP	DN04/06	G3/8"	PVDF/FPM
1A100MG4212PP	DN05/08	G1/2"	PP
1A100MG4212PPFP	DN05/08	G1/2"	PP/FPM
1A100MG4212PV	DN05/08	G1/2"	PVDF
1A100MG4214PN	DN05/08	G1/4"	PP-NATUR
1A100MG4214PP	DN05/08	G1/4"	PP
1A100MG4214PV	DN05/08	G1/4"	PVDF
1A100MG4218PN	DN05/08	G1/8"	PP-NATUR
1A100MG4218PP	DN05/08	G1/8"	PP
1A100MG4218PV	DN05/08	G1/8"	PVDF
1A100MG4238PP	DN05/08	G3/8"	PP
1A100MG4238PPFP	DN05/08	G3/8"	PP/FPM
1A100MG4238PV	DN05/08	G3/8"	PVDF
1A100MG4312PN	DN06/08	G1/2"	PP-NATUR
1A100MG4312PP	DN06/08	G1/2"	PP
1A100MG4312PPEP	DN06/08	G1/2"	PP/EPDM
1A100MG4312PPFP	DN06/08	G1/2"	PP/FPM
1A100MG4312PV	DN06/08	G1/2"	PVDF
1A100MG4312PVEP	DN06/08	G1/2"	PVDF/EPDM
1A100MG4312PVFP	DN06/08	G1/2"	PVDF/FPM
1A100MG4314PAEP	DN06/08	G1/4"	PA/EPDM
1A100MG4314PN	DN06/08	G1/4"	PP-NATUR
1A100MG4314PNEP	DN06/08	G1/4"	PP-NATUR/EPDM
1A100MG4314PNFP	DN06/08	G1/4"	PP-NATUR/FPM
1A100MG4314PP	DN06/08	G1/4"	PP
1A100MG4314PPEP	DN06/08	G1/4"	PP/EPDM
1A100MG4314PPFP	DN06/08	G1/4"	PP/FPM
1A100MG4314PV	DN06/08	G1/4"	PVDF
1A100MG4314PVEP	DN06/08	G1/4"	PVDF/EPDM
1A100MG4314PVFP	DN06/08	G1/4"	PVDF/FPM
1A100MG4318PN	DN06/08	G1/8"	PP-NATUR
1A100MG4318PNFP	DN06/08	G1/8"	PP-NATUR/FPM
1A100MG4318PP	DN06/08	G1/8"	PP
1A100MG4318PPEP	DN06/08	G1/8"	PP/EPDM
1A100MG4318PPFP	DN06/08	G1/8"	PP/FPM
1A100MG4318PV	DN06/08	G1/8"	PVDF
1A100MG4318PVEP	DN06/08	G1/8"	PVDF/EPDM
1A100MG4318PVFP	DN06/08	G1/8"	PVDF/FPM
1A100MG4334PP	DN06/08	G3/4"	PP
1A100MG4334PV	DN06/08	G3/4"	PVDF
1A100MG4338PAEP	DN06/08	G3/8"	PA/EPDM
1A100MG4338PN	DN06/08	G3/8"	PP-NATUR

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Straight connector for flexible tube (Series 1A)
with male G-thread

1

Article-Nr	Connection A	Connection B	Material
1A100MG4338PP	DN06/08	G3/8"	PP
1A100MG4338PPFP	DN06/08	G3/8"	PP/FPM
1A100MG4338PV	DN06/08	G3/8"	PVDF
1A100MG4338PVFP	DN06/08	G3/8"	PVDF/FPM
1A100MG4412PAEP	DN06/10	G1/2"	PA/EPDM
1A100MG4412PP	DN06/10	G1/2"	PP
1A100MG4412PPFP	DN06/10	G1/2"	PP/FPM
1A100MG4412PV	DN06/10	G1/2"	PVDF
1A100MG4412PVFP	DN06/10	G1/2"	PVDF/FPM
1A100MG4414PAEP	DN06/10	G1/4"	PA/EPDM
1A100MG4414PP	DN06/10	G1/4"	PP
1A100MG4414PV	DN06/10	G1/4"	PVDF
1A100MG4414PVFP	DN06/10	G1/4"	PVDF/FPM
1A100MG4418PAEP	DN06/10	G1/8"	PA/EPDM
1A100MG4418PP	DN06/10	G1/8"	PP
1A100MG4418PV	DN06/10	G1/8"	PVDF
1A100MG4418PVFP	DN06/10	G1/8"	PVDF/FPM
1A100MG4438PAEP	DN06/10	G3/8"	PA/EPDM
1A100MG4438PP	DN06/10	G3/8"	PP
1A100MG4438PPFP	DN06/10	G3/8"	PP/FPM
1A100MG4438PV	DN06/10	G3/8"	PVDF
1A100MG4438PVFP	DN06/10	G3/8"	PVDF/FPM
1A100MG4512PAEP	DN08/10	G1/2"	PA/EPDM
1A100MG4512PN	DN08/10	G1/2"	PP-NATUR
1A100MG4512PP	DN08/10	G1/2"	PP
1A100MG4512PPEP	DN08/10	G1/2"	PP/EPDM
1A100MG4512PPFP	DN08/10	G1/2"	PP/FPM
1A100MG4512PV	DN08/10	G1/2"	PVDF
1A100MG4512PVEP	DN08/10	G1/2"	PVDF/EPDM
1A100MG4512PVFP	DN08/10	G1/2"	PVDF/FPM
1A100MG4514PAEP	DN08/10	G1/4"	PA/EPDM
1A100MG4514PN	DN08/10	G1/4"	PP-NATUR
1A100MG4514PNEP	DN08/10	G1/4"	PP-NATUR/EPDM
1A100MG4514PP	DN08/10	G1/4"	PP
1A100MG4514PPEP	DN08/10	G1/4"	PP/EPDM
1A100MG4514PPFP	DN08/10	G1/4"	PP/FPM
1A100MG4514PV	DN08/10	G1/4"	PVDF
1A100MG4514PVEP	DN08/10	G1/4"	PVDF/EPDM
1A100MG4514PVFP	DN08/10	G1/4"	PVDF/FPM
1A100MG4518PAEP	DN08/10	G1/8"	PA/EPDM
1A100MG4518PN	DN08/10	G1/8"	PP-NATUR
1A100MG4518PP	DN08/10	G1/8"	PP
1A100MG4518PPEP	DN08/10	G1/8"	PP/EPDM
1A100MG4518PPFP	DN08/10	G1/8"	PP/FPM
1A100MG4518PV	DN08/10	G1/8"	PVDF
1A100MG4518PVEP	DN08/10	G1/8"	PVDF/EPDM
1A100MG4518PVFP	DN08/10	G1/8"	PVDF/FPM
1A100MG4534PP	DN08/10	G3/4"	PP
1A100MG4534PV	DN08/10	G3/4"	PVDF
1A100MG4538PAEP	DN08/10	G3/8"	PA/EPDM
1A100MG4538PN	DN08/10	G3/8"	PP-NATUR
1A100MG4538PP	DN08/10	G3/8"	PP
1A100MG4538PPEP	DN08/10	G3/8"	PP/EPDM
1A100MG4538PPFP	DN08/10	G3/8"	PP/FPM
1A100MG4538PV	DN08/10	G3/8"	PVDF
1A100MG4538PVFP	DN08/10	G3/8"	PVDF/FPM
1A100MG4612PAEP	DN08/12	G1/2"	PA/EPDM
1A100MG4612PP	DN08/12	G1/2"	PP
1A100MG4612PPFP	DN08/12	G1/2"	PP/FPM
1A100MG4612PV	DN08/12	G1/2"	PVDF
1A100MG4612PVFP	DN08/12	G1/2"	PVDF/FPM

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**Straight connector for flexible tube (Series 1A)
with male G-thread**

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Article-Nr	Connection A	Connection B	Material
1A100MG4614PAEP	DN08/12	G1/4"	PA/EPDM
1A100MG4614PN	DN08/12	G1/4"	PP-NATUR
1A100MG4614PP	DN08/12	G1/4"	PP
1A100MG4614PPFP	DN08/12	G1/4"	PP/FPM
1A100MG4614PV	DN08/12	G1/4"	PVDF
1A100MG4614PVFP	DN08/12	G1/4"	PVDF/FPM
1A100MG4618PP	DN08/12	G1/8"	PP
1A100MG4618PV	DN08/12	G1/8"	PVDF
1A100MG4634PP	DN08/12	G3/4"	PP
1A100MG4634PV	DN08/12	G3/4"	PVDF
1A100MG4638PAEP	DN08/12	G3/8"	PA/EPDM
1A100MG4638PP	DN08/12	G3/8"	PP
1A100MG4638PPEP	DN08/12	G3/8"	PP/EPDM
1A100MG4638PPFP	DN08/12	G3/8"	PP/FPM
1A100MG4638PV	DN08/12	G3/8"	PVDF
1A100MG4638PVFP	DN08/12	G3/8"	PVDF/FPM
1A100MG4712PN	DN09/12	G1/2"	PP-NATUR
1A100MG4712PP	DN09/12	G1/2"	PP
1A100MG4712PV	DN09/12	G1/2"	PVDF
1A100MG4714PN	DN09/12	G1/4"	PP-NATUR
1A100MG4714PP	DN09/12	G1/4"	PP
1A100MG4714PV	DN09/12	G1/4"	PVDF
1A100MG4714PVFP	DN09/12	G1/4"	PVDF/FPM
1A100MG4718PP	DN09/12	G1/8"	PP
1A100MG4718PPEP	DN09/12	G1/8"	PP/EPDM
1A100MG4734PN	DN09/12	G3/4"	PP-NATUR
1A100MG4734PP	DN09/12	G3/4"	PP
1A100MG4734PV	DN09/12	G3/4"	PVDF
1A100MG4738PN	DN09/12	G3/8"	PP-NATUR
1A100MG4738PP	DN09/12	G3/8"	PP
1A100MG4738PPEP	DN09/12	G3/8"	PP/EPDM
1A100MG4738PV	DN09/12	G3/8"	PVDF
1A100MG4812PAEP	DN10/12	G1/2"	PA/EPDM
1A100MG4812PN	DN10/12	G1/2"	PP-NATUR
1A100MG4812PP	DN10/12	G1/2"	PP
1A100MG4812PPEL	DN10/12	G1/2"	PP- CONDUCTIVE
1A100MG4812PPFP	DN10/12	G1/2"	PP/FPM
1A100MG4812PV	DN10/12	G1/2"	PVDF
1A100MG4812PVFP	DN10/12	G1/2"	PVDF/FPM
1A100MG4814PAEP	DN10/12	G1/4"	PA/EPDM
1A100MG4814PN	DN10/12	G1/4"	PP-NATUR
1A100MG4814PP	DN10/12	G1/4"	PP
1A100MG4814PPFP	DN10/12	G1/4"	PP/FPM
1A100MG4814PV	DN10/12	G1/4"	PVDF
1A100MG4814PVEP	DN10/12	G1/4"	PVDF/EPDM
1A100MG4814PVFP	DN10/12	G1/4"	PVDF/FPM
1A100MG4818PN	DN10/12	G1/8"	PP-NATUR
1A100MG4818PP	DN10/12	G1/8"	PP
1A100MG4818PPFP	DN10/12	G1/8"	PP/FPM
1A100MG4818PV	DN10/12	G1/8"	PVDF
1A100MG4834PN	DN10/12	G3/4"	PP-NATUR
1A100MG4834PP	DN10/12	G3/4"	PP
1A100MG4834PV	DN10/12	G3/4"	PVDF
1A100MG4838PAEP	DN10/12	G3/8"	PA/EPDM
1A100MG4838PN	DN10/12	G3/8"	PP-NATUR
1A100MG4838PNFP	DN10/12	G3/8"	PP-NATUR/FPM
1A100MG4838PP	DN10/12	G3/8"	PP
1A100MG4838PPFP	DN10/12	G3/8"	PP/FPM
1A100MG4838PV	DN10/12	G3/8"	PVDF
1A100MG4838PVFP	DN10/12	G3/8"	PVDF/FPM
1A100MG4912PAEP	DN10/14	G1/2"	PA/EPDM

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Straight connector for flexible tube (Series 1A)
with male G-thread

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Article-Nr	Connection A	Connection B	Material
1A100MG4912PP	DN10/14	G1/2"	PP
1A100MG4912PPEP	DN10/14	G1/2"	PP/EPDM
1A100MG4912PPFP	DN10/14	G1/2"	PP/FPM
1A100MG4912PV	DN10/14	G1/2"	PVDF
1A100MG4912PVFP	DN10/14	G1/2"	PVDF/FPM
1A100MG4914PP	DN10/14	G1/4"	PP
1A100MG4914PV	DN10/14	G1/4"	PVDF
1A100MG4918PP	DN10/14	G1/8"	PP
1A100MG4918PV	DN10/14	G1/8"	PVDF
1A100MG4934PP	DN10/14	G3/4"	PP
1A100MG4934PV	DN10/14	G3/4"	PVDF
1A100MG4938PN	DN10/14	G3/8"	PP-NATUR
1A100MG4938PP	DN10/14	G3/8"	PP
1A100MG4938PPFP	DN10/14	G3/8"	PP/FPM
1A100MG4938PV	DN10/14	G3/8"	PVDF
1A100MG5112PN	DN12/14	G1/2"	PP-NATUR
1A100MG5112PP	DN12/14	G1/2"	PP
1A100MG5112PPEL	DN12/14	G1/2"	PP- CONDUCTIVE
1A100MG5112PPFP	DN12/14	G1/2"	PP/FPM
1A100MG5112PV	DN12/14	G1/2"	PVDF
1A100MG5112PVEL	DN12/14	G1/2"	PVDF LEITFÄHIG
1A100MG5114PP	DN12/14	G1/4"	PP
1A100MG5114PV	DN12/14	G1/4"	PVDF
1A100MG5118PP	DN12/14	G1/8"	PP
1A100MG5118PV	DN12/14	G1/8"	PVDF
1A100MG5134PP	DN12/14	G3/4"	PP
1A100MG5134PV	DN12/14	G3/4"	PVDF
1A100MG5138PAEP	DN12/14	G3/8"	PA/EPDM
1A100MG5138PN	DN12/14	G3/8"	PP-NATUR
1A100MG5138PP	DN12/14	G3/8"	PP
1A100MG5138PV	DN12/14	G3/8"	PVDF
1A100MG5138PVFP	DN12/14	G3/8"	PVDF/FPM
1A100MG5212PP	DN12/16	G1/2"	PP
1A100MG5212PPEP	DN12/16	G1/2"	PP/EPDM
1A100MG5212PV	DN12/16	G1/2"	PVDF
1A100MG5212PVFP	DN12/16	G1/2"	PVDF/FPM
1A100MG5214PP	DN12/16	G1/4"	PP
1A100MG5214PV	DN12/16	G1/4"	PVDF
1A100MG5238PP	DN12/16	G3/8"	PP
1A100MG5238PV	DN12/16	G3/8"	PVDF
1A100MG5312PN	DN14/16	G1/2"	PP-NATUR
1A100MG5312PP	DN14/16	G1/2"	PP
1A100MG5312PV	DN14/16	G1/2"	PVDF
1A100MG5314PP	DN14/16	G1/4"	PP
1A100MG5314PV	DN14/16	G1/4"	PVDF
1A100MG5334PV	DN14/16	G3/4"	PVDF
1A100MG5338PP	DN14/16	G3/8"	PP
1A100MG5338PV	DN14/16	G3/8"	PVDF
1A100MG5412PP	DN14/18	G1/2"	PP
1A100MG5412PV	DN14/18	G1/2"	PVDF
1A100MG5414PP	DN14/18	G1/4"	PP
1A100MG5414PV	DN14/18	G1/4"	PVDF
1A100MG5438PP	DN14/18	G3/8"	PP
1A100MG5438PV	DN14/18	G3/8"	PVDF
1A100MG5512PP	DN16/18	G1/2"	PP
1A100MG5512PPFP	DN16/18	G1/2"	PP/FPM
1A100MG5512PV	DN16/18	G1/2"	PVDF
1A100MG5514PP	DN16/18	G1/4"	PP
1A100MG5514PV	DN16/18	G1/4"	PVDF
1A100MG5534PP	DN16/18	G3/4"	PP

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Straight connector for flexible tube (Series 1A)
with male G-thread

1

Article-Nr	Connection A	Connection B	Material
1A100MG5534PV	DN16/18	G3/4"	PVDF
1A100MG5538PP	DN16/18	G3/8"	PP
1A100MG5538PV	DN16/18	G3/8"	PVDF
1A100MG5612PN	DN16/20	G1/2"	PP-NATUR
1A100MG5612PP	DN16/20	G1/2"	PP
1A100MG5612PV	DN16/20	G1/2"	PVDF
1A100MG5612PVEP	DN16/20	G1/2"	PVDF/EPDM
1A100MG5612PVFP	DN16/20	G1/2"	PVDF/FPM
1A100MG5614PP	DN16/20	G1/4"	PP
1A100MG5614PV	DN16/20	G1/4"	PVDF
1A100MG5634PP	DN16/20	G3/4"	PP
1A100MG5634PV	DN16/20	G3/4"	PVDF
1A100MG5638PP	DN16/20	G3/8"	PP
1A100MG5638PV	DN16/20	G3/8"	PVDF
1A100MG5712PP	DN18/20	G1/2"	PP
1A100MG5712PV	DN18/20	G1/2"	PVDF
1A100MG5714PP	DN18/20	G1/4"	PP
1A100MG5714PV	DN18/20	G1/4"	PVDF
1A100MG5734PP	DN18/20	G3/4"	PP
1A100MG5734PV	DN18/20	G3/4"	PVDF
1A100MG5734PVFP	DN18/20	G3/4"	PVDF/FPM
1A100MG5738PP	DN18/20	G3/8"	PP
1A100MG5738PV	DN18/20	G3/8"	PVDF
1A100MG7712PP	DN06/09	G1/2"	PP
1A100MG7712PV	DN06/09	G1/2"	PVDF

Dimensions 1A100MG. . . , 1C100MG. . .

	A(DN)		B(G)	l2	~L3*	SW3	
4/6		1/6"/1/4"	1/8"	8	23.5	14	
4/6		1/6"/1/4"	1/4"	12	25	17	
4/6		1/6"/1/4"	3/8"	12	26.5	22	
4/6		1/6"/1/4"	1/2"	14	29	27	
5/8	6/8		1/8"	8	28.5	17	
5/8	6/8		1/4"	12	29	17	
5/8	6/8		3/8"	12	30.5	22	
5/8	6/8		1/2"	14	33	27	
6/9			1/8"	8	32.5	19	
6/9			1/4"	12	33	19	
6/9			3/8"	12	33.5	22	
6/9			1/2"	14	36	27	
6/10	8/10	1/4"/3/8"	1/8"	8	32.5	19	
6/10	8/10	1/4"/3/8"	1/4"	12	33	19	
6/10	8/10	1/4"/3/8"	3/8"	12	33.5	22	
6/10	8/10	1/4"/3/8"	1/2"	14	36	27	
8/12	9/12	10/12	3/8"/1/2"	1/8"	8	36.5	22
8/12	9/12	10/12	3/8"/1/2"	1/4"	12	37	22
8/12	9/12	10/12	3/8"/1/2"	3/8"	12	37.5	22
8/12	9/12	10/12	3/8"/1/2"	1/2"	14	40	27
8/12	9/12	10/12	3/8"/1/2"	3/4"	16	42	32
10/14	12/14		1/8"	8	42.5	24	
10/14	12/14		1/4"	12	43	24	
10/14	12/14		3/8"	12	43.5	24	
10/14	12/14		1/2"	14	45	27	
10/14	12/14		3/4"	16	48	32	
12/16	14/16		1/4"	12	46	27	
12/16	14/16		3/8"	12	46.5	27	
12/16	14/16		1/2"	14	47	27	
12/16	14/16		3/4"	16	50	32	
14/18	16/18		1/4"	12	49	27	
14/18	16/18		3/8"	12	49.5	27	
14/18	16/18		1/2"	14	50	27	

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**Straight connector for flexible tube (Series 1A)
with male G-thread**

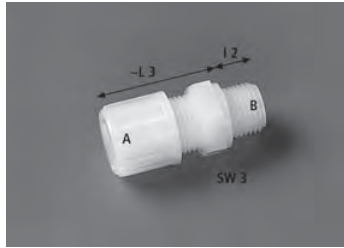
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	A(DN)		B(G)	l2	~L3*	SW3
14/18	16/18		3/4"	16	53	32
16/20	18/20	5/8"/3/4"	1/4"	14	55	32
16/20	18/20	5/8"/3/4"	3/8"	14	55	32
16/20	18/20	5/8"/3/4"	1/2"	16	55	32
16/20	18/20	5/8"/3/4"	3/4"	16	55	32

* for connections in inch add 2 mm per side

**Straight connector for flexible tube (Series 1A)
with male M-thread**

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Article-Nr	Connection A	Connection B	Material
1A100MM0515PP	DN1/6"/1/4"	M12x1,5	PP
1A100MM1519PVFP	DN3/8"/1/2"	M16x1,5	PVDF/FPM
1A100MM4005PP	DN04/06	M5	PP
1A100MM4005PV	DN04/06	M5	PVDF
1A100MM4006PN	DN04/06	M6	PP-NATUR
1A100MM4006PP	DN04/06	M6	PP
1A100MM4006PPEP	DN04/06	M6	PP/EPDM
1A100MM4006PPFP	DN04/06	M6	PP/FPM
1A100MM4006PV	DN04/06	M6	PVDF
1A100MM4008PP	DN04/06	M8	PP
1A100MM4008PV	DN04/06	M8	PVDF
1A100MM4011PAEP	DN04/06	M10x1	PA/EPDM
1A100MM4011PP	DN04/06	M10x1	PP
1A100MM4011PPFP	DN04/06	M10x1	PP/FPM
1A100MM4011PV	DN04/06	M10x1	PVDF
1A100MM4011PVFP	DN04/06	M10x1	PVDF/FPM
1A100MM4012PAEP	DN04/06	M10x1,5	PA/EPDM
1A100MM4012PP	DN04/06	M10x1,5	PP
1A100MM4012PPFP	DN04/06	M10x1,5	PP/FPM
1A100MM4012PV	DN04/06	M10x1,5	PVDF
1A100MM4012PVFP	DN04/06	M10x1,5	PVDF/FPM
1A100MM4014PAEP	DN04/06	M12x1	PA/EPDM
1A100MM4014PP	DN04/06	M12x1	PP
1A100MM4014PPFP	DN04/06	M12x1	PP/FPM
1A100MM4014PV	DN04/06	M12x1	PVDF
1A100MM4014PVFP	DN04/06	M12x1	PVDF/FPM
1A100MM4015PAEP	DN04/06	M12x1,5	PA/EPDM
1A100MM4015PN	DN04/06	M12x1,5	PP-NATUR
1A100MM4015PP	DN04/06	M12x1,5	PP
1A100MM4015PPFP	DN04/06	M12x1,5	PP/FPM
1A100MM4015PV	DN04/06	M12x1,5	PVDF
1A100MM4015PVFP	DN04/06	M12x1,5	PVDF/FPM
1A100MM4017PP	DN04/06	M14x1,5	PP
1A100MM4017PV	DN04/06	M14x1,5	PVDF
1A100MM4019PAEP	DN04/06	M16x1,5	PA/EPDM
1A100MM4019PP	DN04/06	M16x1,5	PP
1A100MM4019PPFP	DN04/06	M16x1,5	PP/FPM
1A100MM4019PV	DN04/06	M16x1,5	PVDF
1A100MM4019PVFP	DN04/06	M16x1,5	PVDF/FPM
1A100MM4021PAEP	DN04/06	M18x1,5	PA/EPDM
1A100MM4021PP	DN04/06	M18x1,5	PP
1A100MM4021PPFP	DN04/06	M18x1,5	PP/FPM
1A100MM4021PV	DN04/06	M18x1,5	PVDF
1A100MM4021PVFP	DN04/06	M18x1,5	PVDF/FPM
1A100MM4023PP	DN04/06	M20x1,5	PP
1A100MM4023PV	DN04/06	M20x1,5	PVDF
1A100MM4311PAEP	DN06/08	M10x1	PA/EPDM
1A100MM4311PP	DN06/08	M10x1	PP
1A100MM4311PPFP	DN06/08	M10x1	PP/FPM
1A100MM4311PV	DN06/08	M10x1	PVDF
1A100MM4311PVFP	DN06/08	M10x1	PVDF/FPM
1A100MM4312PN	DN06/08	M10x1,5	PP-NATUR
1A100MM4312PP	DN06/08	M10x1,5	PP
1A100MM4312PPEP	DN06/08	M10x1,5	PP/EPDM
1A100MM4312PPFP	DN06/08	M10x1,5	PP/FPM
1A100MM4312PV	DN06/08	M10x1,5	PVDF
1A100MM4312PVFP	DN06/08	M10x1,5	PVDF/FPM
1A100MM4315PAEP	DN06/08	M12x1,5	PA/EPDM
1A100MM4315PP	DN06/08	M12x1,5	PP
1A100MM4315PPFP	DN06/08	M12x1,5	PP/FPM
1A100MM4315PV	DN06/08	M12x1,5	PVDF
1A100MM4315PVFP	DN06/08	M12x1,5	PVDF/FPM

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Straight connector for flexible tube (Series 1A)
with male M-thread

1

Article-Nr	Connection A	Connection B	Material
1A100MM4317PAEP	DN06/08	M14x1,5	PA/EPDM
1A100MM4317PP	DN06/08	M14x1,5	PP
1A100MM4317PPFP	DN06/08	M14x1,5	PP/FPM
1A100MM4317PV	DN06/08	M14x1,5	PVDF
1A100MM4317PVFP	DN06/08	M14x1,5	PVDF/FPM
1A100MM4319PAEP	DN06/08	M16x1,5	PA/EPDM
1A100MM4319PP	DN06/08	M16x1,5	PP
1A100MM4319PPFP	DN06/08	M16x1,5	PP/FPM
1A100MM4319PV	DN06/08	M16x1,5	PVDF
1A100MM4319PVFP	DN06/08	M16x1,5	PVDF/FPM
1A100MM4323PV	DN06/08	M20x1,5	PVDF
1A100MM4410PP	DN06/10	M9x1,25	PP
1A100MM4411PAEP	DN06/10	M10x1	PA/EPDM
1A100MM4411PP	DN06/10	M10x1	PP
1A100MM4411PPFP	DN06/10	M10x1	PP/FPM
1A100MM4411PV	DN06/10	M10x1	PVDF
1A100MM4411PVFP	DN06/10	M10x1	PVDF/FPM
1A100MM4412PP	DN06/10	M10x1,5	PP
1A100MM4412PV	DN06/10	M10x1,5	PVDF
1A100MM4415PAEP	DN06/10	M12x1,5	PA/EPDM
1A100MM4415PP	DN06/10	M12x1,5	PP
1A100MM4415PPFP	DN06/10	M12x1,5	PP/FPM
1A100MM4415PV	DN06/10	M12x1,5	PVDF
1A100MM4415PVFP	DN06/10	M12x1,5	PVDF/FPM
1A100MM4417PAEP	DN06/10	M14x1,5	PA/EPDM
1A100MM4417PP	DN06/10	M14x1,5	PP
1A100MM4417PPFP	DN06/10	M14x1,5	PP/FPM
1A100MM4417PV	DN06/10	M14x1,5	PVDF
1A100MM4417PVFP	DN06/10	M14x1,5	PVDF/FPM
1A100MM4419PAEP	DN06/10	M16x1,5	PA/EPDM
1A100MM4419PP	DN06/10	M16x1,5	PP
1A100MM4419PPFP	DN06/10	M16x1,5	PP/FPM
1A100MM4419PV	DN06/10	M16x1,5	PVDF
1A100MM4419PVFP	DN06/10	M16x1,5	PVDF/FPM
1A100MM4421PAEP	DN06/10	M18x1,5	PA/EPDM
1A100MM4421PP	DN06/10	M18x1,5	PP
1A100MM4421PPFP	DN06/10	M18x1,5	PP/FPM
1A100MM4421PV	DN06/10	M18x1,5	PVDF
1A100MM4421PVFP	DN06/10	M18x1,5	PVDF/FPM
1A100MM4511PAEP	DN08/10	M10x1	PA/EPDM
1A100MM4511PP	DN08/10	M10x1	PP
1A100MM4511PPFP	DN08/10	M10x1	PP/FPM
1A100MM4511PV	DN08/10	M10x1	PVDF
1A100MM4511PVFP	DN08/10	M10x1	PVDF/FPM
1A100MM4512PP	DN08/10	M10x1,5	PP
1A100MM4512PV	DN08/10	M10x1,5	PVDF
1A100MM4515PAEP	DN08/10	M12x1,5	PA/EPDM
1A100MM4515PP	DN08/10	M12x1,5	PP
1A100MM4515PPFP	DN08/10	M12x1,5	PP/FPM
1A100MM4515PV	DN08/10	M12x1,5	PVDF
1A100MM4515PVFP	DN08/10	M12x1,5	PVDF/FPM
1A100MM4517PAEP	DN08/10	M14x1,5	PA/EPDM
1A100MM4517PP	DN08/10	M14x1,5	PP
1A100MM4517PPFP	DN08/10	M14x1,5	PP/FPM
1A100MM4517PV	DN08/10	M14x1,5	PVDF
1A100MM4517PVFP	DN08/10	M14x1,5	PVDF/FPM
1A100MM4519PAEP	DN08/10	M16x1,5	PA/EPDM
1A100MM4519PP	DN08/10	M16x1,5	PP
1A100MM4519PPFP	DN08/10	M16x1,5	PP/FPM
1A100MM4519PV	DN08/10	M16x1,5	PVDF
1A100MM4519PVFP	DN08/10	M16x1,5	PVDF/FPM
1A100MM4521PAEP	DN08/10	M18x1,5	PA/EPDM

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Straight connector for flexible tube (Series 1A)
with male M-thread

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Article-Nr	Connection A	Connection B	Material
1A100MM4521PP	DN08/10	M18x1,5	PP
1A100MM4521PPFP	DN08/10	M18x1,5	PP/FPM
1A100MM4521PV	DN08/10	M18x1,5	PVDF
1A100MM4521PVFP	DN08/10	M18x1,5	PVDF/FPM
1A100MM4523PP	DN08/10	M20x1,5	PP
1A100MM4523PV	DN08/10	M20x1,5	PVDF
1A100MM4612PP	DN08/12	M10x1,5	PP
1A100MM4615PAEP	DN08/12	M12x1,5	PA/EPDM
1A100MM4615PP	DN08/12	M12x1,5	PP
1A100MM4615PPFP	DN08/12	M12x1,5	PP/FPM
1A100MM4615PV	DN08/12	M12x1,5	PVDF
1A100MM4615PVFP	DN08/12	M12x1,5	PVDF/FPM
1A100MM4617PAEP	DN08/12	M14x1,5	PA/EPDM
1A100MM4617PP	DN08/12	M14x1,5	PP
1A100MM4617PPFP	DN08/12	M14x1,5	PP/FPM
1A100MM4617PVFP	DN08/12	M14x1,5	PVDF/FPM
1A100MM4619PAEP	DN08/12	M16x1,5	PA/EPDM
1A100MM4619PP	DN08/12	M16x1,5	PP
1A100MM4619PPFP	DN08/12	M16x1,5	PP/FPM
1A100MM4619PV	DN08/12	M16x1,5	PVDF
1A100MM4619PVFP	DN08/12	M16x1,5	PVDF/FPM
1A100MM4621PAEP	DN08/12	M18x1,5	PA/EPDM
1A100MM4621PP	DN08/12	M18x1,5	PP
1A100MM4621PPFP	DN08/12	M18x1,5	PP/FPM
1A100MM4621PV	DN08/12	M18x1,5	PVDF
1A100MM4621PVFP	DN08/12	M18x1,5	PVDF/FPM
1A100MM4624PP	DN08/12	M22x1,5	PP
1A100MM4715PP	DN09/12	M12x1,5	PP
1A100MM4812PP	DN10/12	M10x1,5	PP
1A100MM4812PV	DN10/12	M10x1,5	PVDF
1A100MM4815PAEP	DN10/12	M12x1,5	PA/EPDM
1A100MM4815PP	DN10/12	M12x1,5	PP
1A100MM4815PPFP	DN10/12	M12x1,5	PP/FPM
1A100MM4815PV	DN10/12	M12x1,5	PVDF
1A100MM4815PVFP	DN10/12	M12x1,5	PVDF/FPM
1A100MM4817PAEP	DN10/12	M14x1,5	PA/EPDM
1A100MM4817PP	DN10/12	M14x1,5	PP
1A100MM4817PPFP	DN10/12	M14x1,5	PP/FPM
1A100MM4817PV	DN10/12	M14x1,5	PVDF
1A100MM4817PVFP	DN10/12	M14x1,5	PVDF/FPM
1A100MM4819PAEP	DN10/12	M16x1,5	PA/EPDM
1A100MM4819PP	DN10/12	M16x1,5	PP
1A100MM4819PPEP	DN10/12	M16x1,5	PP/EPDM
1A100MM4819PPFP	DN10/12	M16x1,5	PP/FPM
1A100MM4819PV	DN10/12	M16x1,5	PVDF
1A100MM4819PVFP	DN10/12	M16x1,5	PVDF/FPM
1A100MM4821PAEP	DN10/12	M18x1,5	PA/EPDM
1A100MM4821PP	DN10/12	M18x1,5	PP
1A100MM4821PPEP	DN10/12	M18x1,5	PP/EPDM
1A100MM4821PV	DN10/12	M18x1,5	PVDF
1A100MM4821PVEP	DN10/12	M18x1,5	PVDF/EPDM
1A100MM4823PV	DN10/12	M20x1,5	PVDF
1A100MM4915PAEP	DN10/14	M12x1,5	PA/EPDM
1A100MM4915PP	DN10/14	M12x1,5	PP
1A100MM4915PPFP	DN10/14	M12x1,5	PP/FPM
1A100MM4915PV	DN10/14	M12x1,5	PVDF
1A100MM4915PVFP	DN10/14	M12x1,5	PVDF/FPM
1A100MM4917PAEP	DN10/14	M14x1,5	PA/EPDM
1A100MM4917PP	DN10/14	M14x1,5	PP
1A100MM4917PPFP	DN10/14	M14x1,5	PP/FPM
1A100MM4917PV	DN10/14	M14x1,5	PVDF
1A100MM4917PVFP	DN10/14	M14x1,5	PVDF/FPM

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**Straight connector for flexible tube (Series 1A)
with male M-thread**

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Article-Nr	Connection A	Connection B	Material
1A100MM4919PAEP	DN10/14	M16x1,5	PA/EPDM
1A100MM4919PP	DN10/14	M16x1,5	PP
1A100MM4919PPFP	DN10/14	M16x1,5	PP/FPM
1A100MM4919PV	DN10/14	M16x1,5	PVDF
1A100MM4919PVFP	DN10/14	M16x1,5	PVDF/FPM
1A100MM4921PAEP	DN10/14	M18x1,5	PA/EPDM
1A100MM4921PP	DN10/14	M18x1,5	PP
1A100MM4921PPFP	DN10/14	M18x1,5	PP/FPM
1A100MM4921PV	DN10/14	M18x1,5	PVDF
1A100MM4921PVFP	DN10/14	M18x1,5	PVDF/FPM
1A100MM5115PAEP	DN12/14	M12x1,5	PA/EPDM
1A100MM5115PP	DN12/14	M12x1,5	PP
1A100MM5115PPFP	DN12/14	M12x1,5	PP/FPM
1A100MM5115PV	DN12/14	M12x1,5	PVDF
1A100MM5115PVFP	DN12/14	M12x1,5	PVDF/FPM
1A100MM5117PAEP	DN12/14	M14x1,5	PA/EPDM
1A100MM5117PP	DN12/14	M14x1,5	PP
1A100MM5117PPFP	DN12/14	M14x1,5	PP/FPM
1A100MM5117PV	DN12/14	M14x1,5	PVDF
1A100MM5117PVFP	DN12/14	M14x1,5	PVDF/FPM
1A100MM5119PAEP	DN12/14	M16x1,5	PA/EPDM
1A100MM5119PP	DN12/14	M16x1,5	PP
1A100MM5119PPFP	DN12/14	M16x1,5	PP/FPM
1A100MM5119PV	DN12/14	M16x1,5	PVDF
1A100MM5119PVFP	DN12/14	M16x1,5	PVDF/FPM
1A100MM5121PAEP	DN12/14	M18x1,5	PA/EPDM
1A100MM5121PP	DN12/14	M18x1,5	PP
1A100MM5121PPFP	DN12/14	M18x1,5	PP/FPM
1A100MM5121PV	DN12/14	M18x1,5	PVDF
1A100MM5121PVFP	DN12/14	M18x1,5	PVDF/FPM
1A100MM5123PV	DN12/14	M20x1,5	PVDF
1A100MM5217PP	DN12/16	M14x1,5	PP
1A100MM5219PV	DN12/16	M16x1,5	PVDF
1A100MM5319PV	DN14/16	M16x1,5	PVDF
1A100MM5524PP	DN16/18	M22x1,5	PP

Dimensions 1A100MM. . . , 1C100MM. . .

A(DN)	B(M)	l2	~L3	SW3	
4/6	5	6	23.5	12	
4/6	6	6	23.5	12	
4/6	10x1	8	23.5	14	
4/6	10x1,5	8	23.5	14	
4/6	12x1,5	12	25	17	
4/6	14x1,5	12	26.5	19	
4/6	16x1,5	12	26.5	22	
4/6	18x1,5	12	28	24	
5/8	6/8	10x1	8	28.5	17
5/8	6/8	10x1,5	8	28.5	17
5/8	6/8	12x1,5	12	29	17
5/8	6/8	14x1,5	12	30.5	19
5/8	6/8	16x1,5	12	30.5	22
5/8	6/8	18x1,5	12	32	24
6/9		10x1	8	31.5	17
6/9		10x1,5	8	31.5	17
6/9		12x1,5	12	32	17
6/9		14x1,5	12	33.5	19
6/9		16x1,5	12	33.5	22
6/9		18x1,5	12	35	24
6/10	8/10	10x1	8	32.5	19
6/10	8/10	10x1,5	8	32.5	19
6/10	8/10	12x1,5	12	33	19

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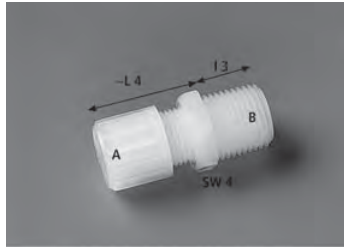
**Straight connector for flexible tube (Series 1A)
with male M-thread**

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	A(DN)		B(M)	l2	~L3	SW3
6/10	8/10		14x1,5	12	33.5	19
6/10	8/10		16x1,5	12	33.5	22
6/10	8/10		18x1,5	12	35	24
8/12	9/12	10/12	10x1,5	8	36.5	22
8/12	9/12	10/12	12x1,5	12	37	22
8/12	9/12	10/12	14x1,5	12	37	22
8/12	9/12	10/12	16x1,5	12	37.5	22
8/12	9/12	10/12	18x1,5	12	39	24
10/14	12/14		12x1,5	12	43	24
10/14	12/14		14x1,5	12	43	24
10/14	12/14		16x1,5	12	43.5	24
10/14	12/14		18x1,5	12	44	24
12/16	14/16		12x1,5	12	47	27
12/16	14/16		14x1,5	12	47	27
12/16	14/16		16x1,5	12	47	27
12/16	14/16		18x1,5	12	47	27
14/18	16/18		18x1,5	12	50	27
14/18	16/18		20x1,5	14	50	27
14/18	16/18		22x1,5	14	50	27
14/18	16/18		24x1,5	16	50	27
16/20	18/20		20x1,5	14	55	32
16/20	18/20		22x1,5	14	55	32
16/20	18/20		24x1,5	16	55	32

**Straight connector for flexible tube (Series 1A)
with male NPT-thread**

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Article-Nr	Connection A	Connection B	Material
1A100MN0312PV	DN1/8"/1/4"	NPT1/2"	PVDF
1A100MN0314PN	DN1/8"/1/4"	NPT1/4"	PP-NATUR
1A100MN0314PP	DN1/8"/1/4"	NPT1/4"	PP
1A100MN0314PV	DN1/8"/1/4"	NPT1/4"	PVDF
1A100MN0318PP	DN1/8"/1/4"	NPT1/8"	PP
1A100MN0318PV	DN1/8"/1/4"	NPT1/8"	PVDF
1A100MN0512PP	DN1/6"/1/4"	NPT1/2"	PP
1A100MN0512PV	DN1/6"/1/4"	NPT1/2"	PVDF
1A100MN0514PP	DN1/6"/1/4"	NPT1/4"	PP
1A100MN0514PV	DN1/6"/1/4"	NPT1/4"	PVDF
1A100MN0518PP	DN1/6"/1/4"	NPT1/8"	PP
1A100MN0518PV	DN1/6"/1/4"	NPT1/8"	PVDF
1A100MN0534PV	DN1/6"/1/4"	NPT3/4"	PVDF
1A100MN0614PV	DN3/16"/1/4"	NPT1/4"	PVDF
1A100MN0618PV	DN3/16"/1/4"	NPT1/8"	PVDF
1A100MN1112PN	DN1/4"/3/8"	NPT1/2"	PP-NATUR
1A100MN1112PP	DN1/4"/3/8"	NPT1/2"	PP
1A100MN1112PV	DN1/4"/3/8"	NPT1/2"	PVDF
1A100MN1114PN	DN1/4"/3/8"	NPT1/4"	PP-NATUR
1A100MN1114PP	DN1/4"/3/8"	NPT1/4"	PP
1A100MN1114PV	DN1/4"/3/8"	NPT1/4"	PVDF
1A100MN1118PP	DN1/4"/3/8"	NPT1/8"	PP
1A100MN1118PV	DN1/4"/3/8"	NPT1/8"	PVDF
1A100MN1138PP	DN1/4"/3/8"	NPT3/8"	PP
1A100MN1138PV	DN1/4"/3/8"	NPT3/8"	PVDF
1A100MN1512PP	DN3/8"/1/2"	NPT1/2"	PP
1A100MN1512PV	DN3/8"/1/2"	NPT1/2"	PVDF
1A100MN1514PP	DN3/8"/1/2"	NPT1/4"	PP
1A100MN1514PV	DN3/8"/1/2"	NPT1/4"	PVDF
1A100MN1518PP	DN3/8"/1/2"	NPT1/8"	PP
1A100MN1518PV	DN3/8"/1/2"	NPT1/8"	PVDF
1A100MN1538PP	DN3/8"/1/2"	NPT3/8"	PP
1A100MN2034PV	DN5/8"/3/4"	NPT3/4"	PVDF
1A100MN2038PP	DN5/8"/3/4"	NPT3/8"	PP
1A100MN4012PN	DN04/06	NPT1/2"	PP-NATUR
1A100MN4012PP	DN04/06	NPT1/2"	PP
1A100MN4012PV	DN04/06	NPT1/2"	PVDF
1A100MN4014PN	DN04/06	NPT1/4"	PP-NATUR
1A100MN4014PP	DN04/06	NPT1/4"	PP
1A100MN4014PV	DN04/06	NPT1/4"	PVDF
1A100MN4018PN	DN04/06	NPT1/8"	PP-NATUR
1A100MN4018PP	DN04/06	NPT1/8"	PP
1A100MN4018PV	DN04/06	NPT1/8"	PVDF
1A100MN4038PN	DN04/06	NPT3/8"	PP-NATUR
1A100MN4038PP	DN04/06	NPT3/8"	PP
1A100MN4038PV	DN04/06	NPT3/8"	PVDF
1A100MN4212PP	DN05/08	NPT1/2"	PP
1A100MN4212PV	DN05/08	NPT1/2"	PVDF
1A100MN4214PP	DN05/08	NPT1/4"	PP
1A100MN4214PV	DN05/08	NPT1/4"	PVDF
1A100MN4218PP	DN05/08	NPT1/8"	PP
1A100MN4238PN	DN05/08	NPT3/8"	PP-NATUR
1A100MN4238PP	DN05/08	NPT3/8"	PP
1A100MN4238PV	DN05/08	NPT3/8"	PVDF
1A100MN4312PN	DN06/08	NPT1/2"	PP-NATUR
1A100MN4312PP	DN06/08	NPT1/2"	PP
1A100MN4312PV	DN06/08	NPT1/2"	PVDF
1A100MN4314PN	DN06/08	NPT1/4"	PP-NATUR
1A100MN4314PP	DN06/08	NPT1/4"	PP
1A100MN4314PV	DN06/08	NPT1/4"	PVDF
1A100MN4318PN	DN06/08	NPT1/8"	PP-NATUR
1A100MN4318PP	DN06/08	NPT1/8"	PP

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Straight connector for flexible tube (Series 1A)
with male NPT-thread

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Article-Nr	Connection A	Connection B	Material
1A100MN4318PV	DN06/08	NPT1/8"	PVDF
1A100MN4338PN	DN06/08	NPT3/8"	PP-NATUR
1A100MN4338PP	DN06/08	NPT3/8"	PP
1A100MN4338PV	DN06/08	NPT3/8"	PVDF
1A100MN4412PP	DN06/10	NPT1/2"	PP
1A100MN4412PV	DN06/10	NPT1/2"	PVDF
1A100MN4414PP	DN06/10	NPT1/4"	PP
1A100MN4414PV	DN06/10	NPT1/4"	PVDF
1A100MN4418PP	DN06/10	NPT1/8"	PP
1A100MN4418PV	DN06/10	NPT1/8"	PVDF
1A100MN4438PP	DN06/10	NPT3/8"	PP
1A100MN4438PV	DN06/10	NPT3/8"	PVDF
1A100MN4512PN	DN08/10	NPT1/2"	PP-NATUR
1A100MN4512PP	DN08/10	NPT1/2"	PP
1A100MN4512PV	DN08/10	NPT1/2"	PVDF
1A100MN4514PN	DN08/10	NPT1/4"	PP-NATUR
1A100MN4514PP	DN08/10	NPT1/4"	PP
1A100MN4514PV	DN08/10	NPT1/4"	PVDF
1A100MN4518PN	DN08/10	NPT1/8"	PP-NATUR
1A100MN4518PP	DN08/10	NPT1/8"	PP
1A100MN4518PV	DN08/10	NPT1/8"	PVDF
1A100MN4534PP	DN08/10	NPT3/4"	PP
1A100MN4538PN	DN08/10	NPT3/8"	PP-NATUR
1A100MN4538PP	DN08/10	NPT3/8"	PP
1A100MN4538PV	DN08/10	NPT3/8"	PVDF
1A100MN4612PP	DN08/12	NPT1/2"	PP
1A100MN4612PV	DN08/12	NPT1/2"	PVDF
1A100MN4614PP	DN08/12	NPT1/4"	PP
1A100MN4614PV	DN08/12	NPT1/4"	PVDF
1A100MN4618PP	DN08/12	NPT1/8"	PP
1A100MN4618PV	DN08/12	NPT1/8"	PVDF
1A100MN4634PV	DN08/12	NPT3/4"	PVDF
1A100MN4638PP	DN08/12	NPT3/8"	PP
1A100MN4638PV	DN08/12	NPT3/8"	PVDF
1A100MN4712PP	DN09/12	NPT1/2"	PP
1A100MN4712PV	DN09/12	NPT1/2"	PVDF
1A100MN4714PP	DN09/12	NPT1/4"	PP
1A100MN4714PV	DN09/12	NPT1/4"	PVDF
1A100MN4738PP	DN09/12	NPT3/8"	PP
1A100MN4738PV	DN09/12	NPT3/8"	PVDF
1A100MN4801PV	DN10/12	NPT1"	PVDF
1A100MN4812PN	DN10/12	NPT1/2"	PP-NATUR
1A100MN4812PP	DN10/12	NPT1/2"	PP
1A100MN4812PV	DN10/12	NPT1/2"	PVDF
1A100MN4814PN	DN10/12	NPT1/4"	PP-NATUR
1A100MN4814PP	DN10/12	NPT1/4"	PP
1A100MN4814PV	DN10/12	NPT1/4"	PVDF
1A100MN4818PN	DN10/12	NPT1/8"	PP-NATUR
1A100MN4818PP	DN10/12	NPT1/8"	PP
1A100MN4818PV	DN10/12	NPT1/8"	PVDF
1A100MN4834PP	DN10/12	NPT3/4"	PP
1A100MN4834PV	DN10/12	NPT3/4"	PVDF
1A100MN4838PN	DN10/12	NPT3/8"	PP-NATUR
1A100MN4838PP	DN10/12	NPT3/8"	PP
1A100MN4838PV	DN10/12	NPT3/8"	PVDF
1A100MN4912PP	DN10/14	NPT1/2"	PP
1A100MN4912PV	DN10/14	NPT1/2"	PVDF
1A100MN4914PP	DN10/14	NPT1/4"	PP
1A100MN4914PV	DN10/14	NPT1/4"	PVDF
1A100MN4918PP	DN10/14	NPT1/8"	PP
1A100MN4918PV	DN10/14	NPT1/8"	PVDF
1A100MN4934PP	DN10/14	NPT3/4"	PP

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Straight connector for flexible tube (Series 1A)
with male NPT-thread

1

Article-Nr	Connection A	Connection B	Material
1A100MN4938PP	DN10/14	NPT3/8"	PP
1A100MN4938PV	DN10/14	NPT3/8"	PVDF
1A100MN5112PP	DN12/14	NPT1/2"	PP
1A100MN5112PV	DN12/14	NPT1/2"	PVDF
1A100MN5114PN	DN12/14	NPT1/4"	PP-NATUR
1A100MN5114PP	DN12/14	NPT1/4"	PP
1A100MN5114PV	DN12/14	NPT1/4"	PVDF
1A100MN5118PN	DN12/14	NPT1/8"	PP-NATUR
1A100MN5118PP	DN12/14	NPT1/8"	PP
1A100MN5118PV	DN12/14	NPT1/8"	PVDF
1A100MN5138PP	DN12/14	NPT3/8"	PP
1A100MN5138PV	DN12/14	NPT3/8"	PVDF
1A100MN5212PP	DN12/16	NPT1/2"	PP
1A100MN5212PV	DN12/16	NPT1/2"	PVDF
1A100MN5214PP	DN12/16	NPT1/4"	PP
1A100MN5214PV	DN12/16	NPT1/4"	PVDF
1A100MN5238PP	DN12/16	NPT3/8"	PP
1A100MN5238PV	DN12/16	NPT3/8"	PVDF
1A100MN5312PP	DN14/16	NPT1/2"	PP
1A100MN5312PV	DN14/16	NPT1/2"	PVDF
1A100MN5314PP	DN14/16	NPT1/4"	PP
1A100MN5314PV	DN14/16	NPT1/4"	PVDF
1A100MN5338PP	DN14/16	NPT3/8"	PP
1A100MN5338PV	DN14/16	NPT3/8"	PVDF
1A100MN5412PP	DN14/18	NPT1/2"	PP
1A100MN5412PV	DN14/18	NPT1/2"	PVDF
1A100MN5414PP	DN14/18	NPT1/4"	PP
1A100MN5414PV	DN14/18	NPT1/4"	PVDF
1A100MN5438PP	DN14/18	NPT3/8"	PP
1A100MN5438PV	DN14/18	NPT3/8"	PVDF
1A100MN5512PP	DN16/18	NPT1/2"	PP
1A100MN5512PV	DN16/18	NPT1/2"	PVDF
1A100MN5514PP	DN16/18	NPT1/4"	PP
1A100MN5514PV	DN16/18	NPT1/4"	PVDF
1A100MN5534PV	DN16/18	NPT3/4"	PVDF
1A100MN5538PP	DN16/18	NPT3/8"	PP
1A100MN5538PV	DN16/18	NPT3/8"	PVDF
1A100MN5612PP	DN16/20	NPT1/2"	PP
1A100MN5612PV	DN16/20	NPT1/2"	PVDF
1A100MN5634PP	DN16/20	NPT3/4"	PP
1A100MN5634PV	DN16/20	NPT3/4"	PVDF
1A100MN5638PP	DN16/20	NPT3/8"	PP
1A100MN5638PV	DN16/20	NPT3/8"	PVDF
1A100MN5712PP	DN18/20	NPT1/2"	PP
1A100MN5712PV	DN18/20	NPT1/2"	PVDF
1A100MN5734PP	DN18/20	NPT3/4"	PP
1A100MN5738PP	DN18/20	NPT3/8"	PP
1A100MN5738PV	DN18/20	NPT3/8"	PVDF

Dimensions 1A100MN... , 1C100MN...

A(DN)	B(NPT)	I3	~L4*	SW4	
4/6	1/6"/1/4"	1/8"	10	22	12
4/6	1/6"/1/4"	1/4"	15	23	17
4/6	1/6"/1/4"	3/8"	15.3	24	19
4/6	1/6"/1/4"	1/2"	20	25	24
5/8	6/8	1/8"	10	27	17
5/8	6/8	1/4"	15	27	17
5/8	6/8	3/8"	15.3	28	19
5/8	6/8	1/2"	20	29	24
6/9		1/8"	10		
6/9		1/4"	15		

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**Straight connector for flexible tube (Series 1A)
with male NPT-thread**

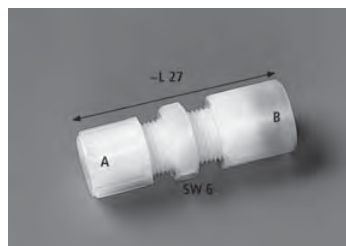
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A(DN)		B(NPT)		I3	~L4*	SW4
6/9			3/8"	15.3		
6/9			1/2"	20		
6/10	8/10	1/4"/3/8"	1/8"	10	31	19
6/10	8/10	1/4"/3/8"	1/4"	15	31	19
6/10	8/10	1/4"/3/8"	3/8"	15.3	31	19
6/10	8/10	1/4"/3/8"	1/2"	20	32	24
8/12	9/12 10/12	3/8"/1/2"	1/8"	10	35	22
8/12	9/12 10/12	3/8"/1/2"	1/4"	15	35	22
8/12	9/12 10/12	3/8"/1/2"	3/8"	15.3	35	22
8/12	9/12 10/12	3/8"/1/2"	1/2"	20	36	24
8/12	9/12 10/12	3/8"/1/2"	3/4"	20	40	32
10/14	12/14		1/8"	10	41	24
10/14	12/14		1/4"	15	41	24
10/14	12/14		3/8"	15.3	41	24
10/14	12/14		1/2"	20	41	24
10/14	12/14		3/4"	20	45	32
12/16	14/16		1/4"	15	44	27
12/16	14/16		3/8"	15.3	44	27
12/16	14/16		1/2"	20	44	27
12/16	14/16		3/4"	20	47	32
14/18	16/18		1/4"	15	47	27
14/18	16/18		3/8"	15.3	47	27
14/18	16/18		1/2"	20	47	27
14/18	16/18		3/4"	20	50	32
16/20	18/20		3/8"	15.3	52	32
16/20	18/20	5/8"/3/4"	1/2"	20	52	32
16/20	18/20	5/8"/3/4"	3/4"	20	52	32

* for connections in inch add 2 mm per side

Straight union for flexible tube (Series 1A) with connection for pipe (Series 2N)

1



Article-Nr	Connection A	Connection B	Material
1A100P0305PV	DN1/8"/1/4"	D1/4"	PVDF
1A100P1143PP	DN1/4"/3/8"	D08	PP
1A100P11PP	DN1/4"/3/8"	D3/8"	PP
1A100P4003PP	DN04/06	D1/8"	PP
1A100P4003PV	DN04/06	D1/8"	PVDF
1A100P4005PP	DN04/06	D1/4"	PP
1A100P4005PV	DN04/06	D1/4"	PVDF
1A100P4015PV	DN04/06	D1/2"	PVDF
1A100P4038PP	DN04/06	D04	PP
1A100P4038PV	DN04/06	D04	PVDF
1A100P4039PV	DN04/06	D05	PVDF
1A100P4043PP	DN04/06	D08	PP
1A100P4043PV	DN04/06	D08	PVDF
1A100P4045PP	DN04/06	D10	PP
1A100P4045PV	DN04/06	D10	PVDF
1A100P4048PP	DN04/06	D12	PP
1A100P4048PV	DN04/06	D12	PVDF
1A100P4051PP	DN04/06	D14	PP
1A100P4051PV	DN04/06	D14	PVDF
1A100P4055PP	DN04/06	D18	PP
1A100P4057PP	DN04/06	D20	PP
1A100P40PP	DN04/06	D06	PP
1A100P40PV	DN04/06	D06	PVDF
1A100P42PP	DN05/08	D08	PP
1A100P4303PV	DN06/08	D1/8"	PVDF
1A100P4315PP	DN06/08	D1/2"	PP
1A100P4338PP	DN06/08	D04	PP
1A100P4340PP	DN06/08	D06	PP
1A100P4340PV	DN06/08	D06	PVDF
1A100P4345PP	DN06/08	D10	PP
1A100P4345PV	DN06/08	D10	PVDF
1A100P4348PP	DN06/08	D12	PP
1A100P4348PV	DN06/08	D12	PVDF
1A100P4351PP	DN06/08	D14	PP
1A100P4351PV	DN06/08	D14	PVDF
1A100P4353PV	DN06/08	D16	PVDF
1A100P4357PP	DN06/08	D20	PP
1A100P4357PV	DN06/08	D20	PVDF
1A100P43PP	DN06/08	D08	PP
1A100P43PV	DN06/08	D08	PVDF
1A100P4440PP	DN06/10	D06	PP
1A100P4440PV	DN06/10	D06	PVDF
1A100P4443PP	DN06/10	D08	PP
1A100P4443PV	DN06/10	D08	PVDF
1A100P4445PP	DN06/10	D10	PP
1A100P4445PV	DN06/10	D10	PVDF
1A100P4448PP	DN06/10	D12	PP
1A100P4448PV	DN06/10	D12	PVDF
1A100P4451PP	DN06/10	D14	PP
1A100P4451PV	DN06/10	D14	PVDF
1A100P4457PP	DN06/10	D20	PP
1A100P4511PP	DN08/10	D3/8"	PP
1A100P4540PP	DN08/10	D06	PP
1A100P4540PV	DN08/10	D06	PVDF
1A100P4543PP	DN08/10	D08	PP
1A100P4543PV	DN08/10	D08	PVDF
1A100P4548PP	DN08/10	D12	PP
1A100P4548PV	DN08/10	D12	PVDF
1A100P4551PP	DN08/10	D14	PP
1A100P4551PV	DN08/10	D14	PVDF
1A100P4555PP	DN08/10	D18	PP
1A100P45PP	DN08/10	D10	PP

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Straight union for flexible tube (Series 1A) with connection for pipe (Series 2N)

1

Article-Nr	Connection A	Connection B	Material
1A100P45PV	DN08/10	D10	PVDF
1A100P4640PV	DN08/12	D06	PVDF
1A100P4642PP	DN08/12	D06	PP
1A100P4643PP	DN08/12	D08	PP
1A100P4643PV	DN08/12	D08	PVDF
1A100P4645PP	DN08/12	D10	PP
1A100P4645PV	DN08/12	D10	PVDF
1A100P4648PP	DN08/12	D12	PP
1A100P4648PV	DN08/12	D12	PVDF
1A100P4651PV	DN08/12	D14	PVDF
1A100P4748PV	DN09/12	D12	PVDF
1A100P4840PP	DN10/12	D06	PP
1A100P4840PV	DN10/12	D06	PVDF
1A100P4843PP	DN10/12	D08	PP
1A100P4843PV	DN10/12	D08	PVDF
1A100P4845PP	DN10/12	D10	PP
1A100P4845PV	DN10/12	D10	PVDF
1A100P4851PP	DN10/12	D14	PP
1A100P4851PV	DN10/12	D14	PVDF
1A100P4853PP	DN10/12	D16	PP
1A100P4853PV	DN10/12	D16	PVDF
1A100P4857PP	DN10/12	D20	PP
1A100P48PP	DN10/12	D12	PP
1A100P48PV	DN10/12	D12	PVDF
1A100P4940PP	DN10/14	D06	PP
1A100P4940PV	DN10/14	D06	PVDF
1A100P4943PP	DN10/14	D08	PP
1A100P4943PV	DN10/14	D08	PVDF
1A100P4945PP	DN10/14	D10	PP
1A100P4945PV	DN10/14	D10	PVDF
1A100P4948PP	DN10/14	D12	PP
1A100P4948PV	DN10/14	D12	PVDF
1A100P4951PP	DN10/14	D14	PP
1A100P4951PV	DN10/14	D14	PVDF
1A100P4953PV	DN10/14	D16	PVDF
1A100P5148PV	DN12/14	D12	PVDF
1A100P5153PP	DN12/14	D16	PP
1A100P5153PV	DN12/14	D16	PVDF
1A100P51PP	DN12/14	D14	PP
1A100P51PV	DN12/14	D14	PVDF
1A100P53PV	DN14/16	D16	PVDF
1A100P57PP	DN18/20	D20	PP
1A100P57PV	DN18/20	D20	PVDF

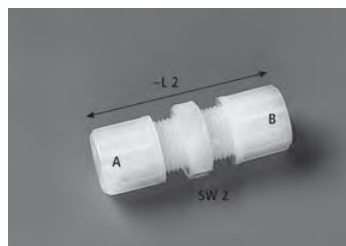
Dimensions 1A100P... , 1C100P...

A(DN)		B(D)		~L27*	SW6	
4/6		1/6"-1/4"	6	1/4"	50	17
5/8	6/8		8		55	19
6/9						
6/10	8/10	1/4"-3/8"	10	3/8"	61	22
8/12	9/12	10/12	12	1/2"	69	24
10/14	12/14		14		75	27
12/16	14/16		16		77	27
14/18	16/18		18	3/4"	89	32
16/20	18/20	5/8"-3/4"	20		91	32

* for connections in inch add 2 mm per side

**Straight union for flexible tube on both ends
(Series 1A)**

1



Article-Nr	Connection A	Connection B	Material
1A100T03PP	DN1/8"/1/4"	DN1/8"/1/4"	PP
1A100T03PV	DN1/8"/1/4"	DN1/8"/1/4"	PVDF
1A100T05PP	DN1/6"/1/4"	DN1/6"/1/4"	PP
1A100T05PV	DN1/6"/1/4"	DN1/6"/1/4"	PVDF
1A100T11PN	DN1/4"/3/8"	DN1/4"/3/8"	PP-NATUR
1A100T11PP	DN1/4"/3/8"	DN1/4"/3/8"	PP
1A100T11PV	DN1/4"/3/8"	DN1/4"/3/8"	PVDF
1A100T1542PP	DN3/8"/1/2"	DN05/08	PP
1A100T15PP	DN3/8"/1/2"	DN3/8"/1/2"	PP
1A100T15PV	DN3/8"/1/2"	DN3/8"/1/2"	PVDF
1A100T2015PP	DN5/8"/3/4"	DN3/8"/1/2"	PP
1A100T20PP	DN5/8"/3/4"	DN5/8"/3/4"	PP
1A100T4003PP	DN04/06	DN1/8"/1/4"	PP
1A100T4003PV	DN04/06	DN1/8"/1/4"	PVDF
1A100T4004PP	DN04/06	DN5/32"/1/4	PP
1A100T4004PV	DN04/06	DN 5/32"/1/4	PVDF
1A100T4005PP	DN04/06	DN1/6"/1/4"	PP
1A100T4005PV	DN04/06	DN1/6"/1/4"	PVDF
1A100T4011PP	DN04/06	DN1/4"/3/8"	PP
1A100T4011PV	DN04/06	DN1/4"/3/8"	PVDF
1A100T40PN	DN04/06	DN04/06	PP-NATUR
1A100T40PP	DN04/06	DN04/06	PP
1A100T40PV	DN04/06	DN04/06	PVDF
1A100T4211PP	DN05/08	DN1/4"/3/8"	PP
1A100T4240PP	DN05/08	DN04/06	PP
1A100T42PN	DN05/08	DN05/08	PP-NATUR
1A100T42PP	DN05/08	DN05/08	PP
1A100T42PV	DN05/08	DN05/08	PVDF
1A100T4305PV	DN06/08	DN1/6"/1/4"	PVDF
1A100T4311PP	DN06/08	DN1/4"/3/8"	PP
1A100T4311PV	DN06/08	DN1/4"/3/8"	PVDF
1A100T4315PV	DN06/08	DN3/8"/1/2"	PVDF
1A100T4340PN	DN06/08	DN04/06	PP-NATUR
1A100T4340PP	DN06/08	DN04/06	PP
1A100T4340PV	DN06/08	DN04/06	PVDF
1A100T4342PP	DN06/08	DN05/08	PP
1A100T4342PV	DN06/08	DN05/08	PVDF
1A100T43PN	DN06/08	DN06/08	PP-NATUR
1A100T43PP	DN06/08	DN06/08	PP
1A100T43PV	DN06/08	DN06/08	PVDF
1A100T4440PP	DN06/10	DN04/06	PP
1A100T4440PV	DN06/10	DN04/06	PVDF
1A100T4443PV	DN06/10	DN06/08	PVDF
1A100T44PP	DN06/10	DN06/10	PP
1A100T44PV	DN06/10	DN06/10	PVDF
1A100T4540PN	DN08/10	DN04/06	PP-NATUR
1A100T4540PP	DN08/10	DN04/06	PP
1A100T4540PV	DN08/10	DN04/06	PVDF
1A100T4543PN	DN08/10	DN06/08	PP-NATUR
1A100T4543PP	DN08/10	DN06/08	PP
1A100T4543PV	DN08/10	DN06/08	PVDF
1A100T4544PP	DN08/10	DN06/10	PP
1A100T4544PV	DN08/10	DN06/10	PVDF
1A100T45PN	DN08/10	DN08/10	PP-NATUR
1A100T45PP	DN08/10	DN08/10	PP
1A100T45PV	DN08/10	DN08/10	PVDF
1A100T4615PP	DN08/12	DN3/8"/1/2"	PP
1A100T4640PP	DN08/12	DN04/06	PP
1A100T4640PV	DN08/12	DN04/06	PVDF
1A100T4643PP	DN08/12	DN06/08	PP
1A100T4643PV	DN08/12	DN06/08	PVDF
1A100T4644PP	DN08/12	DN06/10	PP

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**Straight union for flexible tube on both ends
(Series 1A)**

1

Article-Nr	Connection A	Connection B	Material
1A100T4644PV	DN08/12	DN06/10	PVDF
1A100T4645PN	DN08/12	DN08/10	PP-NATUR
1A100T4645PP	DN08/12	DN08/10	PP
1A100T4645PV	DN08/12	DN08/10	PVDF
1A100T46PP	DN08/12	DN08/12	PP
1A100T46PV	DN08/12	DN08/12	PVDF
1A100T4715PV	DN09/12	DN3/8"/1/2"	PVDF
1A100T4740PP	DN09/12	DN04/06	PP
1A100T4740PV	DN09/12	DN04/06	PVDF
1A100T4742PP	DN09/12	DN05/08	PP
1A100T4743PP	DN09/12	DN06/08	PP
1A100T4743PV	DN09/12	DN06/08	PVDF
1A100T47PP	DN09/12	DN09/12	PP
1A100T47PV	DN09/12	DN09/12	PVDF
1A100T4806PV	DN10/12	DN3/16"/1/4"	PVDF
1A100T4811PV	DN10/12	DN1/4"/3/8"	PVDF
1A100T4815PV	DN10/12	DN3/8"/1/2"	PVDF
1A100T4840PN	DN10/12	DN04/06	PP-NATUR
1A100T4840PP	DN10/12	DN04/06	PP
1A100T4840PV	DN10/12	DN04/06	PVDF
1A100T4843PN	DN10/12	DN06/08	PP-NATUR
1A100T4843PP	DN10/12	DN06/08	PP
1A100T4843PV	DN10/12	DN06/08	PVDF
1A100T4844PP	DN10/12	DN06/10	PP
1A100T4844PV	DN10/12	DN06/10	PVDF
1A100T4845PN	DN10/12	DN08/10	PP-NATUR
1A100T4845PP	DN10/12	DN08/10	PP
1A100T4845PV	DN10/12	DN08/10	PVDF
1A100T4846PN	DN10/12	DN08/12	PP-NATUR
1A100T4846PP	DN10/12	DN08/12	PP
1A100T4846PV	DN10/12	DN08/12	PVDF
1A100T48PP	DN10/12	DN10/12	PP
1A100T48PV	DN10/12	DN10/12	PVDF
1A100T4940PP	DN10/14	DN04/06	PP
1A100T4940PV	DN10/14	DN04/06	PVDF
1A100T4943PP	DN10/14	DN06/08	PP
1A100T4943PV	DN10/14	DN06/08	PVDF
1A100T4944PP	DN10/14	DN06/10	PP
1A100T4944PV	DN10/14	DN06/10	PVDF
1A100T4945PP	DN10/14	DN08/10	PP
1A100T4945PV	DN10/14	DN08/10	PVDF
1A100T4946PP	DN10/14	DN08/12	PP
1A100T4946PV	DN10/14	DN08/12	PVDF
1A100T4948PV	DN10/14	DN10/12	PVDF
1A100T49PP	DN10/14	DN10/14	PP
1A100T49PV	DN10/14	DN10/14	PVDF
1A100T5140PP	DN12/14	DN04/06	PP
1A100T5140PV	DN12/14	DN04/06	PVDF
1A100T5143PP	DN12/14	DN06/08	PP
1A100T5143PV	DN12/14	DN06/08	PVDF
1A100T5145PP	DN12/14	DN08/10	PP
1A100T5145PV	DN12/14	DN08/10	PVDF
1A100T5146PV	DN12/14	DN08/12	PVDF
1A100T5148PP	DN12/14	DN10/12	PP
1A100T5148PV	DN12/14	DN10/12	PVDF
1A100T5149PV	DN12/14	DN10/14	PVDF
1A100T51PN	DN12/14	DN12/14	PP-NATUR
1A100T51PP	DN12/14	DN12/14	PP
1A100T51PV	DN12/14	DN12/14	PVDF
1A100T5240PV	DN12/16	DN04/06	PVDF
1A100T5245PV	DN12/16	DN08/10	PVDF
1A100T5246PP	DN12/16	DN08/12	PP

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**Straight union for flexible tube on both ends
(Series 1A)**

1

Article-Nr	Connection A	Connection B	Material
1A100T5246PV	DN12/16	DN08/12	PVDF
1A100T5248PV	DN12/16	DN10/12	PVDF
1A100T52PP	DN12/16	DN12/16	PP
1A100T52PV	DN12/16	DN12/16	PVDF
1A100T5340PP	DN14/16	DN04/06	PP
1A100T5340PV	DN14/16	DN04/06	PVDF
1A100T5343PP	DN14/16	DN06/08	PP
1A100T5343PV	DN14/16	DN06/08	PVDF
1A100T5345PV	DN14/16	DN08/10	PVDF
1A100T5348PP	DN14/16	DN10/12	PP
1A100T5348PV	DN14/16	DN10/12	PVDF
1A100T5351PV	DN14/16	DN12/14	PVDF
1A100T53PP	DN14/16	DN14/16	PP
1A100T53PV	DN14/16	DN14/16	PVDF
1A100T54PP	DN14/18	DN14/18	PP
1A100T54PV	DN14/18	DN14/18	PVDF
1A100T5545PV	DN16/18	DN08/10	PVDF
1A100T55PP	DN16/18	DN16/18	PP
1A100T55PV	DN16/18	DN16/18	PVDF
1A100T5645PP	DN16/20	DN08/10	PP
1A100T5652PP	DN16/20	DN12/16	PP
1A100T5652PV	DN16/20	DN12/16	PVDF
1A100T56PP	DN16/20	DN16/20	PP
1A100T56PV	DN16/20	DN16/20	PVDF
1A100T5745PP	DN18/20	DN08/10	PP
1A100T5751PP	DN18/20	DN12/14	PP
1A100T5753PV	DN18/20	DN14/16	PVDF
1A100T57PP	DN18/20	DN18/20	PP
1A100T57PV	DN18/20	DN18/20	PVDF
1A100T77PV	DN06/09	DN06/09	PVDF

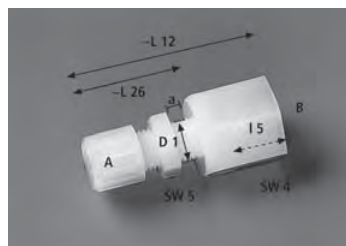
Dimensions 1A100T... , 1C100T...

	A-B(DN)		~L2*	SW2
4/6		1/6"-1/4"	39	14
5/8**	6/8		49	19 (17)**
6/9			55	22
6/10	8/10	1/4"-3/8"	55	22
8/12	9/12	10/12	64	24
10/14	12/14		74	24
12/16	14/16		79	27
14/18	16/18		85	27
16/20	18/20	5/8"-3/4"	92	32

* for connections in inch add 2 mm per side

Straight bulkhead connector for flexible tube (Series 1A) with female NPT-thread

1



Article-Nr	Connection A	Connection B	Material
1A101FN1514PP	DN3/8"/1/2"	NPT1/4"	PP
1A101FN4014PN	DN04/06	NPT1/4"	PP-NATUR
1A101FN4014PP	DN04/06	NPT1/4"	PP
1A101FN4014PV	DN04/06	NPT1/4"	PVDF
1A101FN4018PP	DN04/06	NPT1/8"	PP
1A101FN4018PV	DN04/06	NPT1/8"	PVDF
1A101FN4038PV	DN04/06	NPT3/8"	PVDF
1A101FN4312PP	DN06/08	NPT1/2"	PP
1A101FN4314PP	DN06/08	NPT1/4"	PP
1A101FN4338PV	DN06/08	NPT3/8"	PVDF
1A101FN4538PV	DN08/10	NPT3/8"	PVDF
1A101FN4614PV	DN08/12	NPT1/2"	PVDF
1A101FN4812PP	DN10/12	NPT1/2"	PP
1A101FN4812PV	DN10/12	NPT1/2"	PVDF

Dimensions 1A101FN... , 1C101FN...

A(DN)		B(NPT)	I5	~L12*	~L26*	SW4	SW5	ØD1	a
4/6		1/8"	11.6	47	31	14	14	10.5	9
		1/6"/1/4"							
4/6		1/4"	16.4	54	31	17	14	10.5	9
		1/6"/1/2"							
4/6		3/8"	17.4	55	31	22	14	10.5	9
		1/6"/1/4"							
4/6		1/2"	22.6	60	31	27	14	10.5	9
		1/6"/1/2"							
5/8	6/8	1/8"	11.6	53	36	19	19	14.5	9
5/8	6/8	1/4"	16.4	58	36	19	19	14.5	9
5/8	6/8	3/8"	17.4	59	36	22	19	14.5	9
5/8	6/8	1/2"	22.6	64	36	27	19	14.5	9
6/9		1/8"	11.6			22	22	16.5	
6/9		1/4"	16.4			22	22	16.5	
6/9		3/8"	17.4			22	22	16.5	
6/9		1/2"	22.6			27	22	16.5	
6/10	8/10	1/8"	11.6	58	41	22	22	16.5	10
		1/4"/3/8"							
6/10	8/10	1/4"	16.4	63	41	22	22	16.5	10
		1/4"/3/4"							
6/10	8/10	3/8"	17.4	64	41	22	22	16.5	10
		1/4"/3/8"							
6/10	8/10	1/2"	22.6	70	41	27	22	16.5	10
		1/4"/3/4"							
8/12	9/12	1/4"	16.4	70	48	24	24	18.5	12
	10/12	3/8"/1/2"							
8/12	9/12	3/8"	17.4	71	48	24	24	18.5	12
	10/12	3/8"/1/2"							
8/12	9/12	1/2"	22.6	77	48	27	24	18.5	12
	10/12	3/8"/1/2"							
8/12	9/12	3/4"	23.1	77	48	32	24	18.5	12
	10/12	3/8"/1/2"							
10/14		1/4"	16.4	76	56	24	27	20.5	14
	12/14								
10/14		3/8"	17.4	77	56	24	27	20.5	14
	12/14								
10/14		1/2"	22.6	84	56	27	27	20.5	14
	12/14								
10/14		3/4"	23.1	84	56	32	27	20.5	14
	12/14								
12/16		3/8"	17.4	84	61	27	27	22.5	16
	14/16								
12/16		1/2"	22.6	89	61	27	27	22.5	16
	14/16								
12/16		3/4"	23.1	89	61	32	27	22.5	16
	14/16								
14/18		1/2"	22.6	91	64	27	30	24.5	16
	16/18								

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**Straight bulkhead connector for flexible tube
(Series 1A) with female NPT-thread**

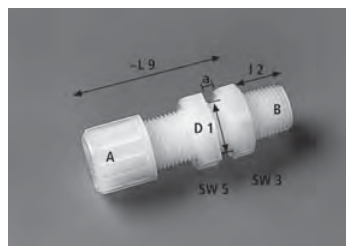
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A(DN)		B(NPT)	I5	~L12*	~L26*	SW4	SW5	ØD1	a
14/18	16/18	3/4"	23.1	91	64	32	30	24.5	16
		1/4"	16.4	89	68	32	32	26.5	18
		5/8"/3/4"							
		3/8"	17.4	90	68	32	32	26.5	18
		5/8"/3/4"							
16/20	18/20	1/2"	22.6	96	68	32	32	26.5	18
		5/8"/3/4"							
16/20	18/20	3/4"	23.1	96	68	32	32	26.5	18
		5/8"/3/4"							

* for connections in inch add 2 mm per side

**Straight bulkhead connector for flexible tube
(Series 1A) with male G-thread**

1



Article-Nr	Connection A	Connection B	Material
1A101MG0512PV	DN1/6"/1/4"	G1/2"	PVDF
1A101MG0518PV	DN1/6"/1/4"	G1/8"	PVDF
1A101MG4012PP	DN04/06	G1/2"	PP
1A101MG4012PV	DN04/06	G1/2"	PVDF
1A101MG4014PP	DN04/06	G1/4"	PP
1A101MG4014PV	DN04/06	G1/4"	PVDF
1A101MG4018PP	DN04/06	G1/8"	PP
1A101MG4018PV	DN04/06	G1/8"	PVDF
1A101MG4018PVFP	DN04/06	G1/8"	PVDF/FPM
1A101MG4038PP	DN04/06	G3/8"	PP
1A101MG4038PV	DN04/06	G3/8"	PVDF
1A101MG4214PP	DN05/08	G1/4"	PP
1A101MG4214PV	DN05/08	G1/4"	PVDF
1A101MG4312PP	DN06/08	G1/2"	PP
1A101MG4312PV	DN06/08	G1/2"	PVDF
1A101MG4314PP	DN06/08	G1/4"	PP
1A101MG4314PPFP	DN06/08	G1/4"	PP/FPM
1A101MG4314PV	DN06/08	G1/4"	PVDF
1A101MG4314PVFP	DN06/08	G1/4"	PVDF/FPM
1A101MG4318PP	DN06/08	G1/8"	PP
1A101MG4318PV	DN06/08	G1/8"	PVDF
1A101MG4338PP	DN06/08	G3/8"	PP
1A101MG4338PV	DN06/08	G3/8"	PVDF
1A101MG4412PP	DN06/10	G1/2"	PP
1A101MG4412PV	DN06/10	G1/2"	PVDF
1A101MG4414PP	DN06/10	G1/4"	PP
1A101MG4414PV	DN06/10	G1/4"	PVDF
1A101MG4418PP	DN06/10	G1/8"	PP
1A101MG4438PP	DN06/10	G3/8"	PP
1A101MG4438PV	DN06/10	G3/8"	PVDF
1A101MG4512PP	DN08/10	G1/2"	PP
1A101MG4512PV	DN08/10	G1/2"	PVDF
1A101MG4514PN	DN08/10	G1/4"	PP-NATUR
1A101MG4514PP	DN08/10	G1/4"	PP
1A101MG4514PV	DN08/10	G1/4"	PVDF
1A101MG4538PP	DN08/10	G3/8"	PP
1A101MG4538PV	DN08/10	G3/8"	PVDF
1A101MG4612PP	DN08/12	G1/2"	PP
1A101MG4612PV	DN08/12	G1/2"	PVDF
1A101MG4614PP	DN08/12	G1/4"	PP
1A101MG4614PV	DN08/12	G1/4"	PVDF
1A101MG4638PP	DN08/12	G3/8"	PP
1A101MG4638PV	DN08/12	G3/8"	PVDF
1A101MG4712PP	DN09/12	G1/2"	PP
1A101MG4712PV	DN09/12	G1/2"	PVDF
1A101MG4714PP	DN09/12	G1/4"	PP
1A101MG4812PP	DN10/12	G1/2"	PP
1A101MG4812PV	DN10/12	G1/2"	PVDF
1A101MG4814PP	DN10/12	G1/4"	PP
1A101MG4814PV	DN10/12	G1/4"	PVDF
1A101MG4838PP	DN10/12	G3/8"	PP
1A101MG4838PV	DN10/12	G3/8"	PVDF
1A101MG4912PP	DN10/14	G1/2"	PP
1A101MG4912PV	DN10/14	G1/2"	PVDF
1A101MG4914PP	DN10/14	G1/4"	PP
1A101MG4914PV	DN10/14	G1/4"	PVDF
1A101MG4938PP	DN10/14	G3/8"	PP
1A101MG4938PV	DN10/14	G3/8"	PVDF
1A101MG5112PP	DN12/14	G1/2"	PP
1A101MG5112PV	DN12/14	G1/2"	PVDF
1A101MG5114PP	DN12/14	G1/4"	PP
1A101MG5114PV	DN12/14	G1/4"	PVDF

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**Straight bulkhead connector for flexible tube
(Series 1A) with male G-thread**

1

Article-Nr	Connection A	Connection B	Material
1A101MG5138PP	DN12/14	G3/8"	PP
1A101MG5138PV	DN12/14	G3/8"	PVDF
1A101MG5212PP	DN12/16	G1/2"	PP
1A101MG5212PV	DN12/16	G1/2"	PVDF
1A101MG5238PP	DN12/16	G3/8"	PP
1A101MG5238PV	DN12/16	G3/8"	PVDF
1A101MG5312PP	DN14/16	G1/2"	PP
1A101MG5312PV	DN14/16	G1/2"	PVDF
1A101MG5314PV	DN14/16	G1/4"	PVDF
1A101MG5338PP	DN14/16	G3/8"	PP
1A101MG5338PV	DN14/16	G3/8"	PVDF
1A101MG5612PV	DN16/20	G1/2"	PVDF
1A101MG5712PP	DN18/20	G1/2"	PP
1A101MG5712PV	DN18/20	G1/2"	PVDF

Dimensions 1A101MG... , 1C101MG...

A(DN)		B(G)	l2	~L9*	SW3	SW5	ØD1	a
4/6		1/8"	8	37.5	14	14	10.5	9
	1/6"/1/4"							
4/6		1/4"	12	39	17	14	10.5	9
	1/6"/1/4"							
4/6		3/8"	12	40.5	22	14	10.5	9
	1/6"/1/4"							
4/6		1/2"	14	43	27	14	10.5	9
	1/6"/1/4"							
5/8	6/8	1/8"	8	44.5	19	19	14.5	9
5/8	6/8	1/4"	12	45	19	19	14.5	9
5/8	6/8	3/8"	12	45.5	22	19	14.5	9
5/8	6/8	1/2"	14	48	27	19	14.5	9
6/9		1/8"	8	32.5	22	22	16.5	
6/9		1/4"	12	33	22	22	16.5	
6/9		3/8"	12	33.5	22	22	16.5	
6/9		1/2"	14	36	27	22	16.5	
6/10	8/10	1/8"	8	49.5	22	22	16.5	10
		1/4"/3/8"						
6/10	8/10	1/4"	12	50	22	22	16.5	10
		1/4"/3/8"						
6/10	8/10	3/8"	12	50.5	22	22	16.5	10
		1/4"/3/8"						
6/10	8/10	1/2"	14	53	27	22	16.5	10
		1/4"/3/8"						
8/12	9/12	1/4"	12	58	24	24	18.5	12
	10/12	3/8"/1/2"						
8/12	9/12	3/8"	12	58.5	24	24	18.5	12
	10/12	3/8"/1/2"						
8/12	9/12	1/2"	14	60	27	24	18.5	12
	10/12	3/8"/1/2"						
8/12	9/12	3/4"	16	61	32	24	18.5	12
	10/12	3/8"/1/2"						
10/14		1/4"	12	67	24	27	20.5	14
	12/14							
10/14		3/8"	12	67.5	24	27	20.5	14
	12/14							
10/14		1/2"	14	68	27	27	20.5	14
	12/14							
10/14		3/4"	16	69	32	27	20.5	14
	12/14							
12/16		3/8"	12	72.5	27	27	22.5	16
	14/16							
12/16		1/2"	14	73	27	27	22.5	16
	14/16							
12/16		3/4"	16	74	32	27	22.5	16
	14/16							
14/18		1/2"	14	79	27	30	24.5	16
	16/18							
14/18		3/4"	16	79	32	30	24.5	16
	16/18							

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**Straight bulkhead connector for flexible tube
(Series 1A) with male G-thread**

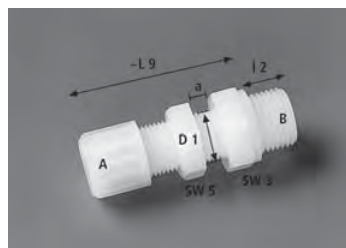
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A(DN)		B(G)	l2	~L9*	SW3	SW5	ØD1	a
		1/4"	12	80	32	32	26.5	18
5/8"/3/4"		3/8"	12	80.5	32	32	26.5	18
5/8"/3/4"		1/2"	14	81	32	32	26.5	18
16/20	18/20	5/8"/3/4"	16	81	32	32	26.5	18
16/20	18/20	3/4"	16	81	32	32	26.5	18
18/20		5/8"/3/4"						

* for connections in inch add 2 mm per side

Straight bulkhead connector for flexible tube (Series 1A) with male M-thread

1



Article-Nr	Connection A	Connection B	Material
1A101MM4006PV	DN04/06	M6	PVDF
1A101MM4011PP	DN04/06	M10x1	PP
1A101MM4011PV	DN04/06	M10x1	PVDF
1A101MM4311PV	DN06/08	M10x1	PVDF
1A101MM4523PV	DN08/10	M20x1,5	PVDF
1A101MM4815PV	DN10/12	M12x1,5	PVDF
1A101MM4823PV	DN10/12	M20x1,5	PVDF
1A101MM5523PV	DN16/18	M20x1,5	PVDF

Dimensions 1A101MM. . .,1C101MM. . .

A(DN)		B(M)	l2	~L9	SW3	SW5	ØD1	a
4/6		5	6	37.5	12	14	10.5	9
4/6		6	6	37.5	12	14	10.5	9
4/6		10x1	8	37.5	14	14	10.5	9
4/6		10x1,5	8	37.5	14	14	10.5	9
4/6		12x1,5	12	39	17	14	10.5	9
4/6		14x1,5	12	40.5	19	14	10.5	9
4/6		16x1,5	12	40.5	22	14	10.5	9
4/6		18x1,5	12	42	24	14	10.5	9
5/8	6/8	10x1	8	43.5	19	19	14.5	9
5/8	6/8	10x1,5	8	43.5	19	19	14.5	9
5/8	6/8	12x1,5	12	44	19	19	14.5	9
5/8	6/8	14x1,5	12	45.5	19	19	14.5	9
5/8	6/8	16x1,5	12	45.5	22	19	14.5	9
5/8	6/8	18x1,5	12	47	24	19	14.5	9
6/9		10x1	8		19	22	16.5	
6/9		10x1,5	8		19	22	16.5	
6/9		12x1,5	12		19	22	16.5	
6/9		14x1,5	12		19	22	16.5	
6/9		16x1,5	12		22	22	16.5	
6/9		18x1,5	12		24	22	16.5	
6/10	8/10	10x1	8	49.5	22	22	16.5	10
6/10	8/10	10x1,5	8	49.5	22	22	16.5	10
6/10	8/10	12x1,5	12	50	22	22	16.5	10
6/10	8/10	14x1,5	12	50.5	22	22	16.5	10
6/10	8/10	16x1,5	12	50.5	22	22	16.5	10
6/10	8/10	18x1,5	12	52	24	22	16.5	10
8/12	9/12	10/12	12	57	24	24	18.5	12
8/12	9/12	10/12	12	57	24	24	18.5	12
8/12	9/12	10/12	12	57.5	24	24	18.5	12
8/12	9/12	10/12	12	59	24	24	18.5	12
10/14	12/14	12x1,5	12	66	24	27	20.5	14

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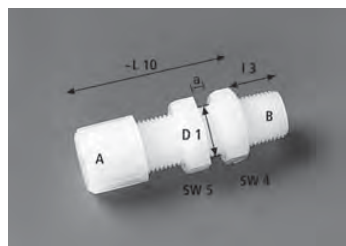
**Straight bulkhead connector for flexible tube
(Series 1A) with male M-thread**

1

	A(DN)	B(M)	l2	~L9	SW3	SW5	ØD1	a
10/14	12/14	14x1,5	12	66	24	27	20.5	14
10/14	12/14	16x1,5	12	66.5	24	27	20.5	14
10/14	12/14	18x1,5	12	67	24	27	20.5	14
12/16	14/16	14x1,5	12	73	27	27	22.5	16
12/16	14/16	16x1,5	12	73	27	27	22.5	16
12/16	14/16	18x1,5	12	73	27	27	22.5	16
14/18	16/18	18x1,5	12	76	27	30	24.5	16
14/18	16/18	20x1,5	14	76	27	30	24.5	16
14/18	16/18	22x1,5	14	76	27	30	24.5	16
14/18	16/18	24x1,5	16	76	27	30	24.5	16
16/20	18/20	20x1,5	14	83	32	32	26.5	18
16/20	18/20	22x1,5	14	83	32	32	26.5	18
16/20	18/20	24x1,5	16	83	32	32	26.5	18

Straight bulkhead connector for flexible tube (Series 1A) with male NPT-thread

1



Article-Nr	Connection A	Connection B	Material
1A101MN4012PV	DN04/06	NPT1/2"	PVDF
1A101MN4014PP	DN04/06	NPT1/4"	PP
1A101MN4014PV	DN04/06	NPT1/4"	PVDF
1A101MN4018PP	DN04/06	NPT1/8"	PP
1A101MN4018PV	DN04/06	NPT1/8"	PVDF
1A101MN4038PP	DN04/06	NPT3/8"	PP
1A101MN4038PV	DN04/06	NPT3/8"	PVDF
1A101MN4218PP	DN05/08	NPT1/8"	PP
1A101MN4314PP	DN06/08	NPT1/4"	PP
1A101MN4814PP	DN10/12	NPT1/4"	PP
1A101MN4838PP	DN10/12	NPT3/8"	PP
1A101MN4838PV	DN10/12	NPT3/8"	PVDF
1A101MN4938PP	DN10/14	NPT3/8"	PP

Dimensions 1A101MN... , 1C101MN...

A(DN)		B(NPT)	I3	~L10*	SW4	SW5	ØD1	a
4/6		1/8"	10	36	14	14	10.5	9
		1/6"/1/4"						
4/6		1/4"	15	37	17	14	10.5	9
		1/6"/1/4"						
4/6		3/8"	15.3	37	19	14	10.5	9
		1/6"/1/4"						
4/6		1/2"	20	39	24	14	10.5	9
		1/6"/1/4"						
5/8	6/8	1/8"	10	42	17	19	14.5	9
5/8	6/8	1/4"	15	42	19	19	14.5	9
5/8	6/8	3/8"	15.3	42	19	19	14.5	9
5/8	6/8	1/2"	20	44	24	19	14.5	9
6/9		1/8"	10		22	22	16.5	
6/9		1/4"	15		22	22	16.5	
6/9		3/8"	15.3		22	22	16.5	
6/9		1/2"	20		24	22	16.5	
6/10	8/10	1/8"	10	48	22	22	16.5	10
		1/4"/3/8"						
6/10	8/10	1/4"	15	48	22	22	16.5	10
		1/4"/3/8"						
6/10	8/10	3/8"	15.3	48	22	22	16.5	10
		1/4"/3/8"						
6/10	8/10	1/2"	20	49	24	22	16.5	10
		1/4"/3/8"						
8/12	9/12	1/4"	15	56	24	24	18.5	12
		10/12						
8/12	9/12	3/8"/1/2"	15.3	56	24	24	18.5	12
		10/12						
8/12	9/12	1/2"	20	57	27	24	18.5	12
		10/12						
8/12	9/12	3/4"	20	58	32	24	18.5	12
		10/12						
10/14		1/4"	15	65	27	27	20.5	14
	12/14							
10/14		3/8"	15.3	65	27	27	20.5	14
	12/14							
10/14		1/2"	20	65	27	27	20.5	14
	12/14							
10/14		3/4"	20	66	32	27	20.5	14
	12/14							
12/16		3/8"	15.3	70	27	27	22.5	16
	14/16							
12/16		1/2"	20	70	27	27	22.5	16
	14/16							
12/16		3/4"	20	71	32	27	22.5	16
	14/16							
14/18		1/2"	20	73	27	30	24.5	16
	16/18							
14/18		3/4"	20	74	32	30	24.5	16
	16/18							

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**Straight bulkhead connector for flexible tube
(Series 1A) with male NPT-thread**

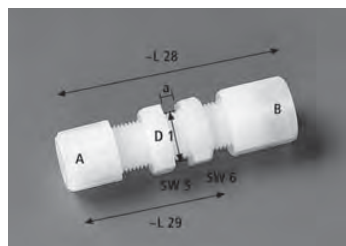
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A(DN)		B(NPT)	I3	~L10*	SW4	SW5	ØD1	a
5/8"/3/4		1/4"	15	78	32	32	26.5	18
5/8"/3/4"		3/8"	15.3	78	32	32	26.5	18
16/20	18/20	5/8"/3/4	1/2"	20	78	32	32	26.5
16/20	18/20	5/8"/3/4"	3/4"	20	78	32	32	26.5

* for connections in inch add 2 mm per side

Straight bulkhead union for flexible tube (Series 1A) with connection for pipe (Series 2N)

1



Article-Nr	Connection A	Connection B	Material
1A101P0305PV	DN1/8"/1/4"	D1/4"	PVDF
1A101P4003PP	DN04/06	D1/8"	PP
1A101P4005PV	DN04/06	D1/4"	PVDF
1A101P4038PP	DN04/06	D04	PP
1A101P4038PV	DN04/06	D04	PVDF
1A101P4043PP	DN04/06	D08	PP
1A101P4043PV	DN04/06	D08	PVDF
1A101P4045PP	DN04/06	D10	PP
1A101P4045PV	DN04/06	D10	PVDF
1A101P4048PP	DN04/06	D12	PP
1A101P4048PV	DN04/06	D12	PVDF
1A101P40PP	DN04/06	D06	PP
1A101P40PV	DN04/06	D06	PVDF
1A101P4243PP	DN05/08	D08	PP
1A101P4340PP	DN06/08	D06	PP
1A101P4345PP	DN06/08	D10	PP
1A101P43PP	DN06/08	D08	PP
1A101P43PV	DN06/08	D08	PVDF
1A101P4443PP	DN06/10	D08	PP
1A101P4443PV	DN06/10	D08	PVDF
1A101P4543PN	DN08/10	D08	PP-NATUR
1A101P4553PP	DN08/10	D16	PP
1A101P45PP	DN08/10	D10	PP
1A101P45PV	DN08/10	D10	PVDF
1A101P4648PP	DN08/12	D12	PP
1A101P4648PV	DN08/12	D12	PVDF
1A101P48PP	DN10/12	D12	PP
1A101P48PV	DN10/12	D12	PVDF
1A101P4948PP	DN10/14	D12	PP
1A101P4948PV	DN10/14	D12	PVDF
1A101P53PV	DN14/16	D16	PVDF

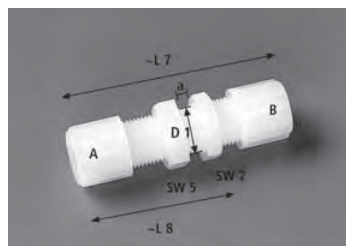
Dimensions 1A101P... , 1C101P...

A(DN)		B(D)		~L28*	~L29*	SW5	SW6	ØD1	a
4/6		1/6"- 1/4"	6 1/4"	64	37	14	17	10.5	9
5/8	6/8		8	70	43	19	19	14.5	9
6/9			10					16.5	
6/10	8/10	1/4"- 3/8"	10 3/8"	78	48	22	22	16.5	10
8/12	9/12	3/8"- 1/2"	12 1/2"	89	56	24	24	18.5	12
10/14	10/12		14	98	65	27	27	20.5	14
	12/14								
12/16			16	106	73	27	32	22.5	16
	14/16								
14/18			18	115	76	30	32	24.5	16
	16/18								
16/20		5/8"- 3/4"	20 3/4"	119	80	32	32	26.5	18
	18/20								

* for connections in inch add 2 mm per side

Straight bulkhead union for flexible tube on both ends (Series 1A)

1



Article-Nr	Connection A	Connection B	Material
1A101T0340PP	DN1/8"/1/4"	DN04/06	PP
1A101T03PP	DN1/8"/1/4"	DN1/8"/1/4"	PP
1A101T03PV	DN1/8"/1/4"	DN1/8"/1/4"	PVDF
1A101T04PV	DN5/32"/1/4"	DN5/32"/1/4"	PVDF
1A101T05PP	DN1/6"/1/4"	DN1/6"/1/4"	PP
1A101T05PV	DN1/6"/1/4"	DN1/6"/1/4"	PVDF
1A101T06PV	DN3/16"/1/4"	DN3/16"/1/4"	PVDF
1A101T11PP	DN1/4"/3/8"	DN1/4"/3/8"	PP
1A101T11PV	DN1/4"/3/8"	DN1/4"/3/8"	PVDF
1A101T15PP	DN3/8"/1/2"	DN3/8"/1/2"	PP
1A101T15PV	DN3/8"/1/2"	DN3/8"/1/2"	PVDF
1A101T20PV	DN5/8"/3/4"	DN5/8"/3/4"	PVDF
1A101T4003PP	DN04/06	DN1/8"/1/4"	PP
1A101T4003PV	DN04/06	DN1/8"/1/4"	PVDF
1A101T4005PP	DN04/06	DN1/6"/1/4"	PP
1A101T4005PV	DN04/06	DN1/6"/1/4"	PVDF
1A101T4011PP	DN04/06	DN1/4"/3/8"	PP
1A101T4043PN	DN04/06	DN06/08	PP-NATUR
1A101T4043PP	DN04/06	DN06/08	PP
1A101T4043PV	DN04/06	DN06/08	PVDF
1A101T4044PP	DN04/06	DN06/10	PP
1A101T4044PV	DN04/06	DN06/10	PVDF
1A101T4045PN	DN04/06	DN08/10	PP-NATUR
1A101T4045PP	DN04/06	DN08/10	PP
1A101T4045PV	DN04/06	DN08/10	PVDF
1A101T4046PV	DN04/06	DN08/12	PVDF
1A101T4047PP	DN04/06	DN09/12	PP
1A101T4048PN	DN04/06	DN10/12	PP-NATUR
1A101T4048PP	DN04/06	DN10/12	PP
1A101T4048PV	DN04/06	DN10/12	PVDF
1A101T4049PP	DN04/06	DN10/14	PP
1A101T4051PV	DN04/06	DN12/14	PVDF
1A101T40PN	DN04/06	DN04/06	PP-NATUR
1A101T40PP	DN04/06	DN04/06	PP
1A101T40PV	DN04/06	DN04/06	PVDF
1A101T42PN	DN05/08	DN05/08	PP-NATUR
1A101T42PP	DN05/08	DN05/08	PP
1A101T42PV	DN05/08	DN05/08	PVDF
1A101T4311PP	DN06/08	DN1/4"/3/8"	PP
1A101T4311PV	DN06/08	DN1/4"/3/8"	PVDF
1A101T4340PN	DN06/08	DN04/06	PP-NATUR
1A101T4340PP	DN06/08	DN04/06	PP
1A101T4340PV	DN06/08	DN04/06	PVDF
1A101T4345PP	DN06/08	DN08/10	PP
1A101T4345PV	DN06/08	DN08/10	PVDF
1A101T4348PP	DN06/08	DN10/12	PP
1A101T4348PV	DN06/08	DN10/12	PVDF
1A101T43PN	DN06/08	DN06/08	PP-NATUR
1A101T43PP	DN06/08	DN06/08	PP
1A101T43PV	DN06/08	DN06/08	PVDF
1A101T4440PV	DN06/10	DN04/06	PVDF
1A101T4443PV	DN06/10	DN06/08	PVDF
1A101T44PP	DN06/10	DN06/10	PP
1A101T44PV	DN06/10	DN06/10	PVDF
1A101T4511PV	DN08/10	DN1/4"/3/8"	PVDF
1A101T4540PP	DN08/10	DN04/06	PP
1A101T4540PV	DN08/10	DN04/06	PVDF
1A101T4543PP	DN08/10	DN06/08	PP
1A101T4543PV	DN08/10	DN06/08	PVDF
1A101T4544PP	DN08/10	DN06/10	PP
1A101T4548PP	DN08/10	DN10/12	PP
1A101T4548PV	DN08/10	DN10/12	PVDF

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Straight bulkhead union for flexible tube on both ends (Series 1A)

1

Article-Nr	Connection A	Connection B	Material
1A101T45PN	DN08/10	DN08/10	PP-NATUR
1A101T45PP	DN08/10	DN08/10	PP
1A101T45PV	DN08/10	DN08/10	PVDF
1A101T4645PP	DN08/12	DN08/10	PP
1A101T4648PP	DN08/12	DN10/12	PP
1A101T46PP	DN08/12	DN08/12	PP
1A101T46PV	DN08/12	DN08/12	PVDF
1A101T47PP	DN09/12	DN09/12	PP
1A101T47PV	DN09/12	DN09/12	PVDF
1A101T4811PV	DN10/12	DN1/4"/3/8"	PVDF
1A101T4815PP	DN10/12	DN3/8"/1/2"	PP
1A101T4840PP	DN10/12	DN04/06	PP
1A101T4840PV	DN10/12	DN04/06	PVDF
1A101T4843PN	DN10/12	DN06/08	PP-NATUR
1A101T4843PP	DN10/12	DN06/08	PP
1A101T4843PV	DN10/12	DN06/08	PVDF
1A101T4845PN	DN10/12	DN08/10	PP-NATUR
1A101T4845PP	DN10/12	DN08/10	PP
1A101T4845PV	DN10/12	DN08/10	PVDF
1A101T48PN	DN10/12	DN10/12	PP-NATUR
1A101T48PP	DN10/12	DN10/12	PP
1A101T48PV	DN10/12	DN10/12	PVDF
1A101T4940PV	DN10/14	DN04/06	PVDF
1A101T49PP	DN10/14	DN10/14	PP
1A101T49PV	DN10/14	DN10/14	PVDF
1A101T5145PV	DN12/14	DN08/10	PVDF
1A101T51PP	DN12/14	DN12/14	PP
1A101T51PV	DN12/14	DN12/14	PVDF
1A101T52PP	DN12/16	DN12/16	PP
1A101T52PV	DN12/16	DN12/16	PVDF
1A101T53PP	DN14/16	DN14/16	PP
1A101T53PV	DN14/16	DN14/16	PVDF
1A101T54PP	DN14/18	DN14/18	PP
1A101T54PV	DN14/18	DN14/18	PVDF
1A101T55PP	DN16/18	DN16/18	PP
1A101T55PV	DN16/18	DN16/18	PVDF
1A101T56PP	DN16/20	DN16/20	PP
1A101T56PV	DN16/20	DN16/20	PVDF
1A101T57PP	DN18/20	DN18/20	PP
1A101T57PV	DN18/20	DN18/20	PVDF

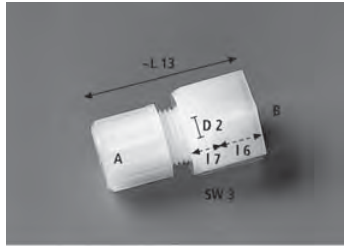
Dimensions 1A101T... , 1C101T...

A-B(DN)			~L7	~L8	SW2	SW5	ØD1	a
4/6		1/6"- 1/4"	53	36	14	14	10.5	9
5/8**	6/8		64	43	19 (17)**	19	14.5	9
6/9					22		16.5	
6/10	8/10	1/4"- 3/8"	73	49	22	22	16.5	10
8/12	9/12 10/12	3/8"- 1/2"	84	56	24	24	18.5	12
10/14	12/14		98	65	27	27	20.5	14
12/16	14/16		105	70	27	27	22.5	16
14/18	16/18		111	73	27	30	24.5	16
16/20	18/20	5/8"- 3/4"	120	80	32	32	26.5	18

* for connections in inch add 2 mm per side

Straight pressure gauge connector for flexible tube (Series 1A) with female G-thread

1



Article-Nr	Connection A	Connection B	Material
1A110FG0512PV	DN1/6"/1/4"	G1/2"	PVDF
1A110FG4012PP	DN04/06	G1/2"	PP
1A110FG4012PV	DN04/06	G1/2"	PVDF
1A110FG4014PP	DN04/06	G1/4"	PP
1A110FG4014PV	DN04/06	G1/4"	PVDF
1A110FG4018PV	DN04/06	G1/8"	PVDF
1A110FG4038PP	DN04/06	G3/8"	PP
1A110FG4312PP	DN06/08	G1/2"	PP
1A110FG4312PV	DN06/08	G1/2"	PVDF
1A110FG4314PP	DN06/08	G1/4"	PP
1A110FG4314PV	DN06/08	G1/4"	PVDF
1A110FG4338PP	DN06/08	G3/8"	PP
1A110FG4412PP	DN06/10	G1/2"	PP
1A110FG4412PV	DN06/10	G1/2"	PVDF
1A110FG4414PP	DN06/10	G1/4"	PP
1A110FG4414PV	DN06/10	G1/4"	PVDF
1A110FG4512PP	DN08/10	G1/2"	PP
1A110FG4512PV	DN08/10	G1/2"	PVDF
1A110FG4514PP	DN08/10	G1/4"	PP
1A110FG4612PP	DN08/12	G1/2"	PP
1A110FG4612PV	DN08/12	G1/2"	PVDF
1A110FG4812PP	DN10/12	G1/2"	PP
1A110FG4812PV	DN10/12	G1/2"	PVDF
1A110FG4912PP	DN10/14	G1/2"	PP

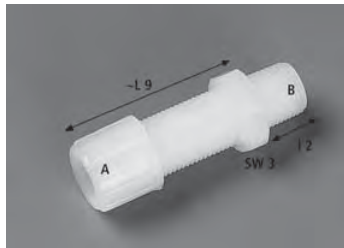
Dimensions 1A110FG... , 1C110FG...

A(DN)	B(G)	I6	I7	~L13*	SW3	ØD2
4/6 1/6"/1/4"	1/4"	10	4	36.5	17	5,5
4/6 1/6"/1/4"	1/2"	18	6	44	27	7
5/8 6/8	1/4"	10	4	38	17	5,5
5/8 6/8	1/2"	18	6	48	27	7
6/9	1/4"	10	4			
6/9	1/2"	18	6			
6/10 1/4"/3/8"	1/4"	10	4	41	19	5,5
6/10 1/4"/3/8"	1/2"	18	6	51	27	7
8/12	1/2"	18	6	55	27	7

* for connections in inch add 2 mm per side

**Straight connector for flexible tube (Series 1A)
with male G-thread (long model)**

1



Article-Nr	Connection A	Connection B	Material
1A110MG4012PP	DN04/06	G1/2"	PP
1A110MG4012PV	DN04/06	G1/2"	PVDF
1A110MG4014PP	DN04/06	G1/4"	PP
1A110MG4014PV	DN04/06	G1/4"	PVDF
1A110MG4018PP	DN04/06	G1/8"	PP
1A110MG4018PV	DN04/06	G1/8"	PVDF
1A110MG4018PVFP	DN04/06	G1/8"	PVDF/FPM
1A110MG4038PP	DN04/06	G3/8"	PP
1A110MG4038PV	DN04/06	G3/8"	PVDF
1A110MG4312PP	DN06/08	G1/2"	PP
1A110MG4312PV	DN06/08	G1/2"	PVDF
1A110MG4314PP	DN06/08	G1/4"	PP
1A110MG4314PV	DN06/08	G1/4"	PVDF
1A110MG4318PP	DN06/08	G1/8"	PP
1A110MG4318PV	DN06/08	G1/8"	PVDF
1A110MG4338PP	DN06/08	G3/8"	PP
1A110MG4338PV	DN06/08	G3/8"	PVDF
1A110MG4412PP	DN06/10	G1/2"	PP
1A110MG4412PV	DN06/10	G1/2"	PVDF
1A110MG4414PP	DN06/10	G1/4"	PP
1A110MG4414PV	DN06/10	G1/4"	PVDF
1A110MG4438PP	DN06/10	G3/8"	PP
1A110MG4438PV	DN06/10	G3/8"	PVDF
1A110MG4512PP	DN08/10	G1/2"	PP
1A110MG4512PV	DN08/10	G1/2"	PVDF
1A110MG4514PP	DN08/10	G1/4"	PP
1A110MG4514PV	DN08/10	G1/4"	PVDF
1A110MG4538PP	DN08/10	G3/8"	PP
1A110MG4538PV	DN08/10	G3/8"	PVDF
1A110MG4612PP	DN08/12	G1/2"	PP
1A110MG4612PV	DN08/12	G1/2"	PVDF
1A110MG4614PP	DN08/12	G1/4"	PP
1A110MG4614PV	DN08/12	G1/4"	PVDF
1A110MG4638PP	DN08/12	G3/8"	PP
1A110MG4638PV	DN08/12	G3/8"	PVDF
1A110MG4812PP	DN10/12	G1/2"	PP
1A110MG4812PV	DN10/12	G1/2"	PVDF
1A110MG4814PP	DN10/12	G1/4"	PP
1A110MG4814PV	DN10/12	G1/4"	PVDF
1A110MG4838PP	DN10/12	G3/8"	PP
1A110MG4838PV	DN10/12	G3/8"	PVDF
1A110MG4912PP	DN10/14	G1/2"	PP
1A110MG4912PV	DN10/14	G1/2"	PVDF
1A110MG4914PP	DN10/14	G1/4"	PP
1A110MG4914PV	DN10/14	G1/4"	PVDF
1A110MG4938PP	DN10/14	G3/8"	PP
1A110MG4938PV	DN10/14	G3/8"	PVDF
1A110MG5112PP	DN12/14	G1/2"	PP
1A110MG5112PV	DN12/14	G1/2"	PVDF
1A110MG5114PP	DN12/14	G1/4"	PP
1A110MG5114PV	DN12/14	G1/4"	PVDF
1A110MG5138PP	DN12/14	G3/8"	PP
1A110MG5138PV	DN12/14	G3/8"	PVDF
1A110MG5212PP	DN12/16	G1/2"	PP
1A110MG5212PV	DN12/16	G1/2"	PVDF
1A110MG5238PP	DN12/16	G3/8"	PP
1A110MG5238PV	DN12/16	G3/8"	PVDF
1A110MG5312PP	DN14/16	G1/2"	PP
1A110MG5312PV	DN14/16	G1/2"	PVDF
1A110MG5338PP	DN14/16	G3/8"	PP
1A110MG5338PV	DN14/16	G3/8"	PVDF

**Straight connector for flexible tube (Series 1A)
with male G-thread (long model)**

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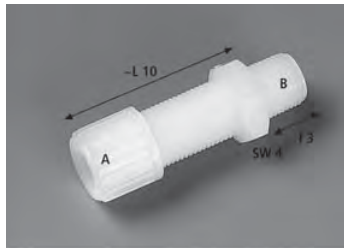
Dimensions 1A110MG. . . , 1C110MG. . .

A(DN)			B(G)	l2	~L9*	SW3	
4/6			1/6"/1/4"	1/8"	8	37.5	14
4/6			1/6"/1/4"	1/4"	12	39	17
4/6			1/6"/1/4"	3/8"	12	40.5	22
4/6			1/6"/1/4"	1/2"	14	43	27
5/8	6/8			1/8"	8	44.5	19
5/8	6/8			1/4"	12	45	19
5/8	6/8			3/8"	12	45.5	22
5/8	6/8			1/2"	14	48	27
6/9				1/8"	8	32.5	22
6/9				1/4"	12	33	22
6/9				3/8"	12	33.5	22
6/9				1/2"	14	36	27
6/10	8/10		1/4"/3/8"	1/8"	8	49.5	22
6/10	8/10		1/4"/3/8"	1/4"	12	50	22
6/10	8/10		1/4"/3/8"	3/8"	12	50.5	22
6/10	8/10		1/4"/3/8"	1/2"	14	53	27
8/12	9/12	10/12	3/8"/1/2"	1/4"	12	58	24
8/12	9/12	10/12	3/8"/1/2"	3/8"	12	58.5	24
8/12	9/12	10/12	3/8"/1/2"	1/2"	14	60	27
8/12	9/12	10/12	3/8"/1/2"	3/4"	16	61	32
10/14	12/14			1/4"	12	67	24
10/14	12/14			3/8"	12	67.5	24
10/14	12/14			1/2"	14	68	27
10/14	12/14			3/4"	16	69	32
12/16	14/16			3/8"	12	72.5	27
12/16	14/16			1/2"	14	73	27
12/16	14/16			3/4"	16	74	32
14/18	16/18			1/2"	14	79	27
14/18	16/18			3/4"	16	79	32
			5/8"/3/4"	1/4"	12	80	32
			5/8"/3/4"	3/8"	12	80.5	32
16/20	18/20		5/8"/3/4"	1/2"	14	81	32
16/20	18/20		5/8"/3/4"	3/4"	16	81	32

* for connections in inch add 2 mm per side

**Straight connector for flexible tube (Series 1A)
with male NPT-thread (long model)**

1



Article-Nr	Connection A	Connection B	Material
1A110MN4014PP	DN04/06	NPT1/4"	PP
1A110MN4018PP	DN04/06	NPT1/8"	PP
1A110MN4018PV	DN04/06	NPT1/8"	PVDF
1A110MN4814PP	DN10/12	NPT1/4"	PP

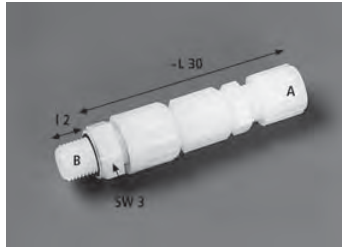
Dimensions 1A110MN. . . , 1C110MN. . .

	A(DN)		B(NPT)	I3	~L10*	SW4
4/6			1/6"/1/4"	1/8"	10	14
4/6			1/6"/1/4"	1/4"	15	17
4/6			1/6"/1/4"	3/8"	15.3	19
4/6			1/6"/1/4"	1/2"	20	24
5/8	6/8		1/8"	10	42	17
5/8	6/8		1/4"	15	42	19
5/8	6/8		3/8"	15.3	42	19
5/8	6/8		1/2"	20	44	24
6/9			1/8"	10		22
6/9			1/4"	15		22
6/9			3/8"	15.3		22
6/9			1/2"	20		24
6/10	8/10		1/4"/3/8"	1/8"	10	48
6/10	8/10		1/4"/3/8"	1/4"	15	48
6/10	8/10		1/4"/3/8"	3/8"	15.3	48
6/10	8/10		1/4"/3/8"	1/2"	20	49
8/12	9/12	10/12	3/8"/1/2"	1/4"	15	56
8/12	9/12	10/12	3/8"/1/2"	3/8"	15.3	56
8/12	9/12	10/12	3/8"/1/2"	1/2"	20	57
8/12	9/12	10/12	3/8"/1/2"	3/4"	20	58
10/14	12/14		1/4"	15	65	27
10/14	12/14		3/8"	15.3	65	27
10/14	12/14		1/2"	20	65	27
10/14	12/14		3/4"	20	66	32
12/16	14/16		3/8"	15.3	70	27
12/16	14/16		1/2"	20	70	27
12/16	14/16		3/4"	20	71	32
14/18	16/18		1/2"	20	73	27
14/18	16/18		3/4"	20	74	32
			5/8"/3/4"	1/4"	15	78
			5/8"/3/4"	3/8"	15.3	78
16/20	18/20		5/8"/3/4"	1/2"	20	78
16/20	18/20		5/8"/3/4"	3/4"	20	78

* for connections in inch add 2 mm per side

Straight shut-off connector for flexible tube (Series 1A) with male G-thread

1



Article-Nr	Connection A	Connection B	Material
1A150MG4014PPEP	DN04/06	G1/4"	PP/EPDM
1A150MG4014PPFP	DN04/06	G1/4"	PP/FPM
1A150MG4038PV	DN04/06	G3/8"	PVDF
1A150MG4312PP	DN06/08	G1/2"	PP
1A150MG4312PPFP	DN06/08	G1/2"	PP/FPM
1A150MG4314PP	DN06/08	G1/4"	PP
1A150MG4314PPEP	DN06/08	G1/4"	PP/EPDM
1A150MG4314PPFP	DN06/08	G1/4"	PP/FPM
1A150MG4314PVFP	DN06/08	G1/4"	PVDF/FPM
1A150MG4414PV	DN06/10	G1/4"	PVDF
1A150MG4512PP	DN08/10	G1/2"	PP
1A150MG4514PP	DN08/10	G1/4"	PP
1A150MG4514PV	DN08/10	G1/4"	PVDF
1A150MG4612PP	DN08/12	G1/2"	PP
1A150MG4614PP	DN08/12	G1/4"	PP
1A150MG4812PP	DN10/12	G1/2"	PP
1A150MG4812PV	DN10/12	G1/2"	PVDF

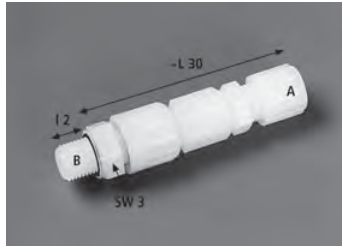
Dimensions 1A150MG. . . , 1C150MG. . .

	A(DN)	B(G)	l2	~L30	SW3
4/6		1/4"	12	73.5	17
4/6		3/8"	12	103	22
4/6		1/2"	14	103	27
5/8	6/8	1/4"	12	76.5	17
5/8	6/8	3/8"	12	106	22
5/8	6/8	1/2"	14	106	27
6/10	8/10	1/4"	12	80.5	19
6/10	8/10	3/8"	12	110	22
6/10	8/10	1/2"	14	110	27
8/12	10/12	1/4"	12	82.5	22
8/12	10/12	3/8"	12	112	22
8/12	10/12	1/2"	14	112	27

* for connections in inch add 2 mm per side

Straight shut-off connector for flexible tube (Series 1A) with male NPT-thread

1



Article-Nr	Connection A	Connection B	Material
1A150MN4012PP	DN04/06	NPT1/2"	PP
1A150MN4014PP	DN04/06	NPT1/4"	PP
1A150MN4014PV	DN04/06	NPT1/4"	PVDF

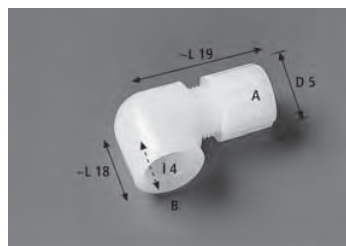
Dimensions 1A150MN... , 1C150MN...

	A(DN)	B(NPT)	l3	~L31	SW4
4/6		1/4"	15	73.5	17
4/6		3/8"	15.3	103	19
4/6		1/2"	20	103	24
6/8		1/4"	15	76.5	17
6/8		3/8"	15.3	106	19
6/8		1/2"	20	106	24
6/10	8/10	1/4"	15	80.5	19
6/10	8/10	3/8"	15.3	110	19
6/10	8/10	1/2"	20	110	24
8/12		10/12	15	82.5	22
8/12		3/8"	15.3	112	22
8/12		1/2"	20	112	24

* for connections in inch add 2 mm per side

Elbow connector for flexible tube (Series 1A) with female G-thread

1



Article-Nr	Connection A	Connection B	Material
1A200FG1112PP	DN1/4"/3/8"	G1/2"	PP
1A200FG1512PP	DN3/8"/1/2"	G1/2"	PP
1A200FG1538PV	DN3/8"/1/2"	G3/8"	PVDF
1A200FG4012PP	DN04/06	G1/2"	PP
1A200FG4012PV	DN04/06	G1/2"	PVDF
1A200FG4014PN	DN04/06	G1/4"	PP-NATUR
1A200FG4014PP	DN04/06	G1/4"	PP
1A200FG4014PV	DN04/06	G1/4"	PVDF
1A200FG4018PN	DN04/06	G1/8"	PP-NATUR
1A200FG4018PP	DN04/06	G1/8"	PP
1A200FG4018PV	DN04/06	G1/8"	PVDF
1A200FG4038PP	DN04/06	G3/8"	PP
1A200FG4038PV	DN04/06	G3/8"	PVDF
1A200FG4212PP	DN05/08	G1/2"	PP
1A200FG4238PP	DN05/08	G3/8"	PP
1A200FG4312PP	DN06/08	G1/2"	PP
1A200FG4312PV	DN06/08	G1/2"	PVDF
1A200FG4314PN	DN06/08	G1/4"	PP-NATUR
1A200FG4314PP	DN06/08	G1/4"	PP
1A200FG4314PV	DN06/08	G1/4"	PVDF
1A200FG4318PP	DN06/08	G1/8"	PP
1A200FG4318PV	DN06/08	G1/8"	PVDF
1A200FG4338PN	DN06/08	G3/8"	PP-NATUR
1A200FG4338PP	DN06/08	G3/8"	PP
1A200FG4338PV	DN06/08	G3/8"	PVDF
1A200FG4412PP	DN06/10	G1/2"	PP
1A200FG4412PV	DN06/10	G1/2"	PVDF
1A200FG4414PP	DN06/10	G1/4"	PP
1A200FG4414PV	DN06/10	G1/4"	PVDF
1A200FG4418PP	DN06/10	G1/8"	PP
1A200FG4418PV	DN06/10	G1/8"	PVDF
1A200FG4438PP	DN06/10	G3/8"	PP
1A200FG4438PV	DN06/10	G3/8"	PVDF
1A200FG4512PP	DN08/10	G1/2"	PP
1A200FG4512PV	DN08/10	G1/2"	PVDF
1A200FG4514PP	DN08/10	G1/4"	PP
1A200FG4514PV	DN08/10	G1/4"	PVDF
1A200FG4518PP	DN08/10	G1/8"	PP
1A200FG4518PV	DN08/10	G1/8"	PVDF
1A200FG4538PP	DN08/10	G3/8"	PP
1A200FG4538PV	DN08/10	G3/8"	PVDF
1A200FG4612PP	DN08/12	G1/2"	PP
1A200FG4612PV	DN08/12	G1/2"	PVDF
1A200FG4614PP	DN08/12	G1/4"	PP
1A200FG4614PV	DN08/12	G1/4"	PVDF
1A200FG4618PP	DN08/12	G1/8"	PP
1A200FG4618PV	DN08/12	G1/8"	PVDF
1A200FG4638PP	DN08/12	G3/8"	PP
1A200FG4638PV	DN08/12	G3/8"	PVDF
1A200FG4712PP	DN09/12	G1/2"	PP
1A200FG4714PP	DN09/12	G1/4"	PP
1A200FG4738PP	DN09/12	G3/8"	PP
1A200FG4812PP	DN10/12	G1/2"	PP
1A200FG4812PV	DN10/12	G1/2"	PVDF
1A200FG4814PN	DN10/12	G1/4"	PP-NATUR
1A200FG4814PP	DN10/12	G1/4"	PP
1A200FG4814PV	DN10/12	G1/4"	PVDF
1A200FG4818PP	DN10/12	G1/8"	PP
1A200FG4818PV	DN10/12	G1/8"	PVDF
1A200FG4834PP	DN10/12	G3/4"	PP
1A200FG4838PN	DN10/12	G3/8"	PP-NATUR
1A200FG4838PP	DN10/12	G3/8"	PP

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Elbow connector for flexible tube (Series 1A)
with female G-thread

1

Article-Nr	Connection A	Connection B	Material
1A200FG4838PV	DN10/12	G3/8"	PVDF
1A200FG4912PP	DN10/14	G1/2"	PP
1A200FG4912PV	DN10/14	G1/2"	PVDF
1A200FG4914PN	DN10/14	G1/4"	PP-NATUR
1A200FG4914PP	DN10/14	G1/4"	PP
1A200FG4914PV	DN10/14	G1/4"	PVDF
1A200FG4918PP	DN10/14	G1/8"	PP
1A200FG4918PV	DN10/14	G1/8"	PVDF
1A200FG4938PP	DN10/14	G3/8"	PP
1A200FG4938PV	DN10/14	G3/8"	PVDF
1A200FG5112PP	DN12/14	G1/2"	PP
1A200FG5112PV	DN12/14	G1/2"	PVDF
1A200FG5114PP	DN12/14	G1/4"	PP
1A200FG5114PV	DN12/14	G1/4"	PVDF
1A200FG5118PP	DN12/14	G1/8"	PP
1A200FG5118PV	DN12/14	G1/8"	PVDF
1A200FG5138PP	DN12/14	G3/8"	PP
1A200FG5138PV	DN12/14	G3/8"	PVDF
1A200FG5212PP	DN12/16	G1/2"	PP
1A200FG5212PV	DN12/16	G1/2"	PVDF
1A200FG5214PP	DN12/16	G1/4"	PP
1A200FG5214PV	DN12/16	G1/4"	PVDF
1A200FG5238PP	DN12/16	G3/8"	PP
1A200FG5238PV	DN12/16	G3/8"	PVDF
1A200FG5312PP	DN14/16	G1/2"	PP
1A200FG5312PV	DN14/16	G1/2"	PVDF
1A200FG5314PP	DN14/16	G1/4"	PP
1A200FG5314PV	DN14/16	G1/4"	PVDF
1A200FG5338PP	DN14/16	G3/8"	PP
1A200FG5338PV	DN14/16	G3/8"	PVDF
1A200FG5612PP	DN16/20	G1/2"	PP
1A200FG5612PV	DN16/20	G1/2"	PVDF
1A200FG5614PP	DN16/20	G1/4"	PP
1A200FG5638PP	DN16/20	G3/8"	PP
1A200FG5712PV	DN18/20	G1/2"	PVDF

Dimensions 1A200FG. . . , 1C200FG. . .

A(DN)		B(G)	l4	L18	~L19*	ØD5
4/6		1/8"	10	17	26	15
		1/6"/1/4"				
4/6		1/4"	15	20	29	20
		1/6"/1/4"				
4/6		3/8"	15	20	32	25
		1/6"/1/4"				
4/6		1/2"	16	23	34	30
		1/6"/1/4"				
5/8	6/8	1/8"	10	17	30	15
5/8	6/8	1/4"	15	20	33	20
5/8	6/8	3/8"	15	20	36	25
5/8	6/8	1/2"	16	23	38	30
6/9		1/8"	10			
6/9		1/4"	15			
6/9		3/8"	15			
6/9		1/2"	16			
6/10	8/10	1/8"	10	17	36	20
		1/4"/3/8"				
6/10	8/10	1/4"	15	20	36	20
		1/4"/3/8"				
6/10	8/10	3/8"	15	20	39	25
		1/4"/3/8"				
6/10	8/10	1/2"	16	23	41	30
		1/4"/3/8"				
8/12	9/12 10/12	1/8"	10	20	40	20

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Elbow connector for flexible tube (Series 1A)
with female G-thread

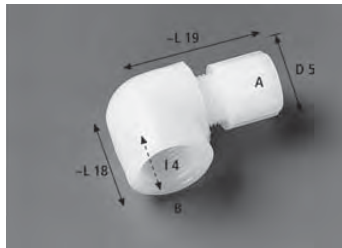
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	A(DN)			B(G)	I4	L18	-L19*	ØD5
8/12	9/12	10/12	3/8"/1/2"	1/4"	15	20	40	20
8/12	9/12	10/12		3/8"	15	20	43	25
8/12	9/12	10/12	3/8"/1/2"	1/2"	16	23	45	30
8/12	9/12	10/12		3/4"	20	37	56	45
10/14	12/14			1/8"	10	23	48	25
10/14	12/14			1/4"	15	23	48	25
10/14	12/14			3/8"	15	23	48	25
10/14	12/14			1/2"	16	25	50	30
10/14	12/14			3/4"	20	37	61	45
12/16	14/16			1/4"	15	25	50	25
12/16	14/16			3/8"	15	25	50	25
12/16	14/16			1/2"	16	25	52	30
12/16	14/16			3/4"	20	37	63	45
14/18	16/18			1/4"	15	25	55	30
14/18	16/18			3/8"	15	25	55	30
14/18	16/18			1/2"	16	25	55	30
14/18	16/18			3/4"	20	37	66	45
16/20	18/20		5/8"/3/4"	1/4"	15	25	57	30
16/20	18/20			3/8"	15	25	57	30
16/20	18/20		5/8"/3/4"	1/2"	16	28	57	30
16/20	18/20			3/4"	20	37	68	45

* for connections in inch add 2 mm per side

Elbow connector for flexible tube (Series 1A)
with female M-thread

1



Article-Nr	Connection A	Connection B	Material
1A200FM4011PP	DN04/06	M10x1	PP
1A200FM4011PV	DN04/06	M10x1	PVDF
1A200FM4012PP	DN04/06	M10x1,5	PP
1A200FM4012PV	DN04/06	M10x1,5	PVDF
1A200FM4014PP	DN04/06	M12x1	PP
1A200FM4014PV	DN04/06	M12x1	PVDF
1A200FM4015PP	DN04/06	M12x1,5	PP
1A200FM4015PV	DN04/06	M12x1,5	PVDF
1A200FM4017PP	DN04/06	M14x1,5	PP
1A200FM4017PV	DN04/06	M14x1,5	PVDF
1A200FM4019PP	DN04/06	M16x1,5	PP
1A200FM4019PV	DN04/06	M16x1,5	PVDF
1A200FM4021PP	DN04/06	M18x1,5	PP
1A200FM4021PV	DN04/06	M18x1,5	PVDF
1A200FM4023PP	DN04/06	M20x1,5	PP
1A200FM4023PV	DN04/06	M20x1,5	PVDF
1A200FM4312PP	DN06/08	M10x1,5	PP
1A200FM4312PV	DN06/08	M10x1,5	PVDF
1A200FM4315PP	DN06/08	M12x1,5	PP
1A200FM4315PV	DN06/08	M12x1,5	PVDF
1A200FM4317PP	DN06/08	M14x1,5	PP
1A200FM4317PV	DN06/08	M14x1,5	PVDF
1A200FM4319PP	DN06/08	M16x1,5	PP
1A200FM4319PV	DN06/08	M16x1,5	PVDF
1A200FM4321PP	DN06/08	M18x1,5	PP
1A200FM4321PV	DN06/08	M18x1,5	PVDF
1A200FM4323PP	DN06/08	M20x1,5	PP
1A200FM4412PP	DN06/10	M10x1,5	PP
1A200FM4412PV	DN06/10	M10x1,5	PVDF
1A200FM4415PP	DN06/10	M12x1,5	PP
1A200FM4415PV	DN06/10	M12x1,5	PVDF
1A200FM4417PP	DN06/10	M14x1,5	PP
1A200FM4417PV	DN06/10	M14x1,5	PVDF
1A200FM4419PP	DN06/10	M16x1,5	PP
1A200FM4419PV	DN06/10	M16x1,5	PVDF
1A200FM4421PP	DN06/10	M18x1,5	PP
1A200FM4421PV	DN06/10	M18x1,5	PVDF
1A200FM4512PP	DN08/10	M10x1,5	PP
1A200FM4512PV	DN08/10	M10x1,5	PVDF
1A200FM4515PP	DN08/10	M12x1,5	PP
1A200FM4515PV	DN08/10	M12x1,5	PVDF
1A200FM4517PP	DN08/10	M14x1,5	PP
1A200FM4517PV	DN08/10	M14x1,5	PVDF
1A200FM4519PP	DN08/10	M16x1,5	PP
1A200FM4519PV	DN08/10	M16x1,5	PVDF
1A200FM4521PP	DN08/10	M18x1,5	PP
1A200FM4521PV	DN08/10	M18x1,5	PVDF
1A200FM4523PP	DN08/10	M20x1,5	PP
1A200FM4523PV	DN08/10	M20x1,5	PVDF
1A200FM4615PP	DN08/12	M12x1,5	PP
1A200FM4615PV	DN08/12	M12x1,5	PVDF
1A200FM4617PP	DN08/12	M14x1,5	PP
1A200FM4617PV	DN08/12	M14x1,5	PVDF
1A200FM4619PP	DN08/12	M16x1,5	PP
1A200FM4619PV	DN08/12	M16x1,5	PVDF
1A200FM4621PP	DN08/12	M18x1,5	PP
1A200FM4621PV	DN08/12	M18x1,5	PVDF
1A200FM4723PP	DN09/12	M20x1,5	PP
1A200FM4815PP	DN10/12	M12x1,5	PP
1A200FM4815PV	DN10/12	M12x1,5	PVDF
1A200FM4817PP	DN10/12	M14x1,5	PP
1A200FM4817PV	DN10/12	M14x1,5	PVDF

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Elbow connector for flexible tube (Series 1A)
with female M-thread

1

Article-Nr	Connection A	Connection B	Material
1A200FM4819PP	DN10/12	M16x1,5	PP
1A200FM4819PV	DN10/12	M16x1,5	PVDF
1A200FM4821PP	DN10/12	M18x1,5	PP
1A200FM4821PV	DN10/12	M18x1,5	PVDF
1A200FM4823PV	DN10/12	M20x1,5	PVDF
1A200FM4915PP	DN10/14	M12x1,5	PP
1A200FM4915PV	DN10/14	M12x1,5	PVDF
1A200FM4917PP	DN10/14	M14x1,5	PP
1A200FM4917PV	DN10/14	M14x1,5	PVDF
1A200FM4919PP	DN10/14	M16x1,5	PP
1A200FM4919PV	DN10/14	M16x1,5	PVDF
1A200FM4921PP	DN10/14	M18x1,5	PP
1A200FM4921PV	DN10/14	M18x1,5	PVDF
1A200FM5115PP	DN12/14	M12x1,5	PP
1A200FM5115PV	DN12/14	M12x1,5	PVDF
1A200FM5117PP	DN12/14	M14x1,5	PP
1A200FM5117PV	DN12/14	M14x1,5	PVDF
1A200FM5119PP	DN12/14	M16x1,5	PP
1A200FM5119PV	DN12/14	M16x1,5	PVDF
1A200FM5121PP	DN12/14	M18x1,5	PP
1A200FM5121PV	DN12/14	M18x1,5	PVDF
1A200FM5523PV	DN16/18	M20x1,5	PVDF

Dimensions 1A200FM... , 1C200FM...

	A(DN)	B(M)	I4	L18	~L19	ØD5	
4/6		5	8	17	25	13	
4/6		6	10	17	26	15	
4/6		10x1	10	17	26	15	
4/6		10x1,5	10	17	26	15	
4/6		12x1,5	15	20	29	20	
4/6		14x1,5	15	20	29	20	
4/6		16x1,5	15.5	20	32	25	
4/6		18x1,5	16.5	20	32	25	
5/8	6/8	10x1	10	17	30	15	
5/8	6/8	10x1,5	10	17	30	15	
5/8	6/8	12x1,5	15	20	33	20	
5/8	6/8	14x1,5	15	20	33	20	
5/8	6/8	16x1,5	15.5	20	36	25	
5/8	6/8	18x1,5	16.5	20	36	25	
6/9		10x1	10				
6/9		10x1,5	10				
6/9		12x1,5	15				
6/9		14x1,5	15				
6/9		16x1,5	15.5				
6/9		18x1,5	16.5				
6/10	8/10	10x1	10	17	36	20	
6/10	8/10	10x1,5	10	20	36	20	
6/10	8/10	12x1,5	15	20	36	20	
6/10	8/10	14x1,5	15	20	36	20	
6/10	8/10	16x1,5	15.5	20	39	25	
6/10	8/10	18x1,5	16.5	20	39	25	
8/12	9/12	10/12	12x1,5	15	20	40	20
8/12	9/12	10/12	14x1,5	15	20	40	20
8/12	9/12	10/12	16x1,5	15.5	20	43	25
8/12	9/12	10/12	18x1,5	16.5	20	43	25
10/14	12/14		12x1,5	15	23	48	25
10/14	12/14		14x1,5	15	23	48	25
10/14	12/14		16x1,5	15.5	25	48	25
10/14	12/14		18x1,5	16.5	25	48	25
12/16	14/16		14x1,5	15	25	50	25
12/16	14/16		16x1,5	15.5	25	50	25

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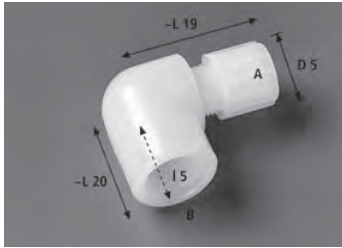
Elbow connector for flexible tube (Series 1A)
with female M-thread

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	A(DN)	B(M)	I4	L18	~L19	ØD5
12/16	14/16	18x1,5	16.5	25	50	25
14/18	16/18	18x1,5	16.5	28	55	30
14/18	16/18	20x1,5	16.5	28	55	30
14/18	16/18	22x1,5	18	28	55	30
14/18	16/18	24x1,5	18.5	28	55	30
16/20	18/20	20x1,5	16.5	28	57	30
16/20	18/20	22x1,5	18	28	57	30
16/20	18/20	24x1,5	18.5	28	57	30

Elbow connector for flexible tube (Series 1A)
with female NPT-thread

1



Article-Nr	Connection A	Connection B	Material
1A200FN1114PV	DN1/4"/3/8"	NPT1/4"	PVDF
1A200FN4012PP	DN04/06	NPT1/2"	PP
1A200FN4012PV	DN04/06	NPT1/2"	PVDF
1A200FN4014PP	DN04/06	NPT1/4"	PP
1A200FN4014PV	DN04/06	NPT1/4"	PVDF
1A200FN4018PP	DN04/06	NPT1/8"	PP
1A200FN4018PV	DN04/06	NPT1/8"	PVDF
1A200FN4038PP	DN04/06	NPT3/8"	PP
1A200FN4312PV	DN06/08	NPT1/2"	PVDF
1A200FN4314PP	DN06/08	NPT1/4"	PP
1A200FN4314PV	DN06/08	NPT1/4"	PVDF
1A200FN4318PP	DN06/08	NPT1/8"	PP
1A200FN4318PV	DN06/08	NPT1/8"	PVDF
1A200FN4338PP	DN06/08	NPT3/8"	PP
1A200FN4338PV	DN06/08	NPT3/8"	PVDF
1A200FN4412PP	DN06/10	NPT1/2"	PP
1A200FN4414PP	DN06/10	NPT1/4"	PP
1A200FN4438PP	DN06/10	NPT3/8"	PP
1A200FN4512PP	DN08/10	NPT1/2"	PP
1A200FN4512PV	DN08/10	NPT1/2"	PVDF
1A200FN4514PP	DN08/10	NPT1/4"	PP
1A200FN4514PV	DN08/10	NPT1/4"	PVDF
1A200FN4518PP	DN08/10	NPT1/8"	PP
1A200FN4612PV	DN08/12	NPT1/2"	PVDF
1A200FN4614PP	DN08/12	NPT1/4"	PP
1A200FN4812PP	DN10/12	NPT1/2"	PP
1A200FN4812PV	DN10/12	NPT1/2"	PVDF
1A200FN4814PP	DN10/12	NPT1/4"	PP
1A200FN4838PN	DN10/12	NPT3/8"	PP-NATUR
1A200FN4838PP	DN10/12	NPT3/8"	PP
1A200FN4912PP	DN10/14	NPT1/2"	PP
1A200FN4914PP	DN10/14	NPT1/4"	PP
1A200FN4914PV	DN10/14	NPT1/4"	PVDF
1A200FN4938PP	DN10/14	NPT3/8"	PP
1A200FN5112PP	DN12/14	NPT1/2"	PP
1A200FN5114PP	DN12/14	NPT1/4"	PP
1A200FN5138PP	DN12/14	NPT3/8"	PP

Dimensions 1A200FN... , 1C200FN...

	A(DN)	B(NPT)	I5	L20	~L19*	ØD5
4/6		1/8"	11.6	20	26	15
		1/6"/1/4"				
4/6		1/4"	16.4	24	29	20
		1/6"/1/4"				
4/6		3/8"	17.4	26	32	25
		1/6"/1/4"				
4/6		1/2"	22.6	32	34	30
		1/6"/1/4"				
5/8	6/8	1/8"	11.6	20	30	15
5/8	6/8	1/4"	16.4	24	33	20
5/8	6/8	3/8"	17.4	26	36	25
5/8	6/8	1/2"	22.6	32	38	30
6/9		1/8"	11.6	20		
6/9		1/4"	16.4	24		
6/9		3/8"	17.4	26		
6/9		1/2"	22.6	32		
6/10	8/10	1/8"	11.6	20	36	20
		1/4"/3/8"				
6/10	8/10	1/4"	16.4	24	36	20
		1/4"/3/8"				
6/10	8/10	3/8"	17.4	26	39	25
		1/4"/3/8"				

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Elbow connector for flexible tube (Series 1A)
with female NPT-thread

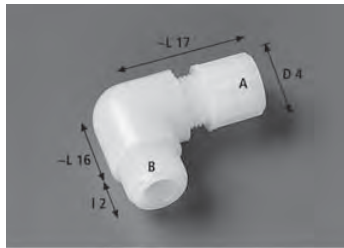
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A(DN)		B(NPT)	I5	L20	-L19*	ØD5		
6/10	8/10	1/4"/3/8"	1/2"	22.6	32	41	30	
8/12	9/12	10/12	3/8"/1/2"	1/4"	16.4	24	40	20
8/12	9/12	10/12	3/8"/1/2"	3/8"	17.4	26	43	20
8/12	9/12	10/12	3/8"/1/2"	1/2"	22.6	32	45	30
8/12	9/12	10/12	3/8"/1/2"	3/4"	23.1		56	45
10/14	12/14		1/4"	16.4	24	48	25	
10/14	12/14		3/8"	17.4	26	48	25	
10/14	12/14		1/2"	22.6	32	50	30	
10/14	12/14		3/4"	23.1		61	45	
12/16	14/16		3/8"	17.4	28	50	25	
12/16	14/16		1/2"	22.6	34	52	30	
12/16	14/16		3/4"	23.1		63	45	
14/18	16/18		1/2"	22.6		55	30	
14/18	16/18		3/4"	23.1		66	45	
		5/8"/3/4"	1/4"	16.4		57	30	
		5/8"/3/4"	3/8"	17.4		57	30	
16/20	18/20		1/2"	22.6		57	30	
16/20	18/20		3/4"	23.1		68	45	
		5/8"/3/4"						

* for connections in inch add 2 mm per side

Elbow connector for flexible tube (Series 1A)
with male G-thread

1



Article-Nr	Connection A	Connection B	Material
1A200MG0314PV	DN1/8"/1/4"	G1/4"	PVDF
1A200MG0318PV	DN1/8"/1/4"	G1/8"	PVDF
1A200MG0338PV	DN1/8"/1/4"	G3/8"	PVDF
1A200MG0514PP	DN1/6"/1/4"	G1/4"	PP
1A200MG0514PV	DN1/6"/1/4"	G1/4"	PVDF
1A200MG0518PP	DN1/6"/1/4"	G1/8"	PP
1A200MG0518PV	DN1/6"/1/4"	G1/8"	PVDF
1A200MG0614PV	DN3/16"/1/4"	G1/4"	PVDF
1A200MG1112PN	DN1/4"/3/8"	G1/2"	PP-NATUR
1A200MG1112PP	DN1/4"/3/8"	G1/2"	PP
1A200MG1114PP	DN1/4"/3/8"	G1/4"	PP
1A200MG1114PV	DN1/4"/3/8"	G1/4"	PVDF
1A200MG1138PP	DN1/4"/3/8"	G3/8"	PP
1A200MG1138PV	DN1/4"/3/8"	G3/8"	PVDF
1A200MG1512PP	DN3/8"/1/2"	G1/2"	PP
1A200MG1512PV	DN3/8"/1/2"	G1/2"	PVDF
1A200MG1514PP	DN3/8"/1/2"	G1/4"	PP
1A200MG1538PP	DN3/8"/1/2"	G3/8"	PP
1A200MG2034PP	DN5/8"/3/4"	G3/4"	PP
1A200MG2034PV	DN5/8"/3/4"	G3/4"	PVDF
1A200MG4012PN	DN04/06	G1/2"	PP-NATUR
1A200MG4012PP	DN04/06	G1/2"	PP
1A200MG4012PPFP	DN04/06	G1/2"	PP/FPM
1A200MG4012PV	DN04/06	G1/2"	PVDF
1A200MG4014PAEP	DN04/06	G1/4"	PA/EPDM
1A200MG4014PAFP	DN04/06	G1/4"	PA/FPM
1A200MG4014PN	DN04/06	G1/4"	PP-NATUR
1A200MG4014PP	DN04/06	G1/4"	PP
1A200MG4014PPEP	DN04/06	G1/4"	PP/EPDM
1A200MG4014PPFP	DN04/06	G1/4"	PP/FPM
1A200MG4014PV	DN04/06	G1/4"	PVDF
1A200MG4014PVFK	DN04/06	G1/4"	PVDF/FFKM
1A200MG4014PVFP	DN04/06	G1/4"	PVDF/FPM
1A200MG4018PAEP	DN04/06	G1/8"	PA/EPDM
1A200MG4018PAFP	DN04/06	G1/8"	PA/FPM
1A200MG4018PN	DN04/06	G1/8"	PP-NATUR
1A200MG4018PNEP	DN04/06	G1/8"	PP-NATUR/EPDM
1A200MG4018PNFP	DN04/06	G1/8"	PP-NATUR/FPM
1A200MG4018PP	DN04/06	G1/8"	PP
1A200MG4018PPEP	DN04/06	G1/8"	PP/EPDM
1A200MG4018PPFP	DN04/06	G1/8"	PP/FPM
1A200MG4018PV	DN04/06	G1/8"	PVDF
1A200MG4018PVFP	DN04/06	G1/8"	PVDF/FPM
1A200MG4034PP	DN04/06	G3/4"	PP
1A200MG4034PV	DN04/06	G3/4"	PVDF
1A200MG4034PVFP	DN04/06	G3/4"	PVDF/FPM
1A200MG4038PN	DN04/06	G3/8"	PP-NATUR
1A200MG4038PP	DN04/06	G3/8"	PP
1A200MG4038PPEP	DN04/06	G3/8"	PP/EPDM
1A200MG4038PPFP	DN04/06	G3/8"	PP/FPM
1A200MG4038PV	DN04/06	G3/8"	PVDF
1A200MG4038PVFP	DN04/06	G3/8"	PVDF/FPM
1A200MG4212PP	DN05/08	G1/2"	PP
1A200MG4212PV	DN05/08	G1/2"	PVDF
1A200MG4214PN	DN05/08	G1/4"	PP-NATUR
1A200MG4214PP	DN05/08	G1/4"	PP
1A200MG4214PV	DN05/08	G1/4"	PVDF
1A200MG4218PP	DN05/08	G1/8"	PP
1A200MG4218PV	DN05/08	G1/8"	PVDF
1A200MG4238PP	DN05/08	G3/8"	PP
1A200MG4238PV	DN05/08	G3/8"	PVDF

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Elbow connector for flexible tube (Series 1A)
with male G-thread

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Article-Nr	Connection A	Connection B	Material
1A200MG4312PAEP	DN06/08	G1/2"	PA/EPDM
1A200MG4312PN	DN06/08	G1/2"	PP-NATUR
1A200MG4312PP	DN06/08	G1/2"	PP
1A200MG4312PPFP	DN06/08	G1/2"	PP/FPM
1A200MG4312PV	DN06/08	G1/2"	PVDF
1A200MG4312PVFP	DN06/08	G1/2"	PVDF/FPM
1A200MG4314PAEP	DN06/08	G1/4"	PA/EPDM
1A200MG4314PN	DN06/08	G1/4"	PP-NATUR
1A200MG4314PNEP	DN06/08	G1/4"	PP-NATUR/EPDM
1A200MG4314PP	DN06/08	G1/4"	PP
1A200MG4314PPEP	DN06/08	G1/4"	PP/EPDM
1A200MG4314PPFP	DN06/08	G1/4"	PP/FPM
1A200MG4314PV	DN06/08	G1/4"	PVDF
1A200MG4314PVFP	DN06/08	G1/4"	PVDF/FPM
1A200MG4318PAEP	DN06/08	G1/8"	PA/EPDM
1A200MG4318PN	DN06/08	G1/8"	PP-NATUR
1A200MG4318PNFP	DN06/08	G1/8"	PP-NATUR/FPM
1A200MG4318PP	DN06/08	G1/8"	PP
1A200MG4318PPEP	DN06/08	G1/8"	PP/EPDM
1A200MG4318PPFP	DN06/08	G1/8"	PP/FPM
1A200MG4318PV	DN06/08	G1/8"	PVDF
1A200MG4318PVFP	DN06/08	G1/8"	PVDF/FPM
1A200MG4338PAEP	DN06/08	G3/8"	PA/EPDM
1A200MG4338PN	DN06/08	G3/8"	PP-NATUR
1A200MG4338PP	DN06/08	G3/8"	PP
1A200MG4338PPFP	DN06/08	G3/8"	PP/FPM
1A200MG4338PV	DN06/08	G3/8"	PVDF
1A200MG4338PVFP	DN06/08	G3/8"	PVDF/FPM
1A200MG4412PAEP	DN06/10	G1/2"	PA/EPDM
1A200MG4412PN	DN06/10	G1/2"	PP-NATUR
1A200MG4412PP	DN06/10	G1/2"	PP
1A200MG4412PPFP	DN06/10	G1/2"	PP/FPM
1A200MG4412PV	DN06/10	G1/2"	PVDF
1A200MG4412PVFP	DN06/10	G1/2"	PVDF/FPM
1A200MG4414PAEP	DN06/10	G1/4"	PA/EPDM
1A200MG4414PP	DN06/10	G1/4"	PP
1A200MG4414PPFP	DN06/10	G1/4"	PP/FPM
1A200MG4414PV	DN06/10	G1/4"	PVDF
1A200MG4414PVFP	DN06/10	G1/4"	PVDF/FPM
1A200MG4418PAEP	DN06/10	G1/8"	PA/EPDM
1A200MG4418PP	DN06/10	G1/8"	PP
1A200MG4418PPFP	DN06/10	G1/8"	PP/FPM
1A200MG4418PV	DN06/10	G1/8"	PVDF
1A200MG4418PVFP	DN06/10	G1/8"	PVDF/FPM
1A200MG4438PAEP	DN06/10	G3/8"	PA/EPDM
1A200MG4438PAEP4	DN06/10	G3/8"	PA/EPDM
1A200MG4438PP	DN06/10	G3/8"	PP
1A200MG4438PPFP	DN06/10	G3/8"	PP/FPM
1A200MG4438PV	DN06/10	G3/8"	PVDF
1A200MG4438PVFP	DN06/10	G3/8"	PVDF/FPM
1A200MG4512PAEP	DN08/10	G1/2"	PA/EPDM
1A200MG4512PN	DN08/10	G1/2"	PP-NATUR
1A200MG4512PP	DN08/10	G1/2"	PP
1A200MG4512PPEP	DN08/10	G1/2"	PP/EPDM
1A200MG4512PPFP	DN08/10	G1/2"	PP/FPM
1A200MG4512PV	DN08/10	G1/2"	PVDF
1A200MG4512PVFP	DN08/10	G1/2"	PVDF/FPM
1A200MG4514PAEP	DN08/10	G1/4"	PA/EPDM
1A200MG4514PN	DN08/10	G1/4"	PP-NATUR
1A200MG4514PNEP	DN08/10	G1/4"	PP-NATUR/EPDM

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Elbow connector for flexible tube (Series 1A)
with male G-thread

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Article-Nr	Connection A	Connection B	Material
1A200MG4514PP	DN08/10	G1/4"	PP
1A200MG4514PPEP	DN08/10	G1/4"	PP/EPDM
1A200MG4514PPFP	DN08/10	G1/4"	PP/FPM
1A200MG4514PV	DN08/10	G1/4"	PVDF
1A200MG4514PVFP	DN08/10	G1/4"	PVDF/FPM
1A200MG4518PAEP	DN08/10	G1/8"	PA/EPDM
1A200MG4518PN	DN08/10	G1/8"	PP-NATUR
1A200MG4518PP	DN08/10	G1/8"	PP
1A200MG4518PPFP	DN08/10	G1/8"	PP/FPM
1A200MG4518PV	DN08/10	G1/8"	PVDF
1A200MG4518PVFP	DN08/10	G1/8"	PVDF/FPM
1A200MG4534PP	DN08/10	G3/4"	PP
1A200MG4538PAEP	DN08/10	G3/8"	PA/EPDM
1A200MG4538PN	DN08/10	G3/8"	PP-NATUR
1A200MG4538PP	DN08/10	G3/8"	PP
1A200MG4538PPFP	DN08/10	G3/8"	PP/FPM
1A200MG4538PV	DN08/10	G3/8"	PVDF
1A200MG4538PVFP	DN08/10	G3/8"	PVDF/FPM
1A200MG4612PAEP	DN08/12	G1/2"	PA/EPDM
1A200MG4612PP	DN08/12	G1/2"	PP
1A200MG4612PPFP	DN08/12	G1/2"	PP/FPM
1A200MG4612PV	DN08/12	G1/2"	PVDF
1A200MG4612PVFP	DN08/12	G1/2"	PVDF/FPM
1A200MG4614PAEP	DN08/12	G1/4"	PA/EPDM
1A200MG4614PP	DN08/12	G1/4"	PP
1A200MG4614PPFP	DN08/12	G1/4"	PP/FPM
1A200MG4614PV	DN08/12	G1/4"	PVDF
1A200MG4614PVFP	DN08/12	G1/4"	PVDF/FPM
1A200MG4618PAEP	DN08/12	G1/8"	PA/EPDM
1A200MG4618PP	DN08/12	G1/8"	PP
1A200MG4618PPFP	DN08/12	G1/8"	PP/FPM
1A200MG4618PV	DN08/12	G1/8"	PVDF
1A200MG4618PVFP	DN08/12	G1/8"	PVDF/FPM
1A200MG4634PP	DN08/12	G3/4"	PP
1A200MG4638PAEP	DN08/12	G3/8"	PA/EPDM
1A200MG4638PP	DN08/12	G3/8"	PP
1A200MG4638PPFP	DN08/12	G3/8"	PP/FPM
1A200MG4638PV	DN08/12	G3/8"	PVDF
1A200MG4638PVFP	DN08/12	G3/8"	PVDF/FPM
1A200MG4712PN	DN09/12	G1/2"	PP-NATUR
1A200MG4712PP	DN09/12	G1/2"	PP
1A200MG4712PV	DN09/12	G1/2"	PVDF
1A200MG4714PN	DN09/12	G1/4"	PP-NATUR
1A200MG4714PP	DN09/12	G1/4"	PP
1A200MG4714PPEP	DN09/12	G1/4"	PP/EPDM
1A200MG4714PPFP	DN09/12	G1/4"	PP/FPM
1A200MG4714PV	DN09/12	G1/4"	PVDF
1A200MG4714PVEP	DN09/12	G1/4"	PVDF/EPDM
1A200MG4714PVFP	DN09/12	G1/4"	PVDF/FPM
1A200MG4734PV	DN09/12	G3/4"	PVDF
1A200MG4738PN	DN09/12	G3/8"	PP-NATUR
1A200MG4738PP	DN09/12	G3/8"	PP
1A200MG4738PV	DN09/12	G3/8"	PVDF
1A200MG4812PAEP	DN10/12	G1/2"	PA/EPDM
1A200MG4812PN	DN10/12	G1/2"	PP-NATUR
1A200MG4812PP	DN10/12	G1/2"	PP
1A200MG4812PPFP	DN10/12	G1/2"	PP/FPM
1A200MG4812PV	DN10/12	G1/2"	PVDF
1A200MG4812PVFP	DN10/12	G1/2"	PVDF/FPM
1A200MG4814PAEP	DN10/12	G1/4"	PA/EPDM
1A200MG4814PN	DN10/12	G1/4"	PP-NATUR
1A200MG4814PP	DN10/12	G1/4"	PP

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Elbow connector for flexible tube (Series 1A)
with male G-thread

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Article-Nr	Connection A	Connection B	Material
1A200MG4814PPFP	DN10/12	G1/4"	PP/FPM
1A200MG4814PV	DN10/12	G1/4"	PVDF
1A200MG4814PVFP	DN10/12	G1/4"	PVDF/FPM
1A200MG4818PAEP	DN10/12	G1/8"	PA/EPDM
1A200MG4818PN	DN10/12	G1/8"	PP-NATUR
1A200MG4818PP	DN10/12	G1/8"	PP
1A200MG4818PPFP	DN10/12	G1/8"	PP/FPM
1A200MG4818PV	DN10/12	G1/8"	PVDF
1A200MG4818PVFP	DN10/12	G1/8"	PVDF/FPM
1A200MG4834PN	DN10/12	G3/4"	PP-NATUR
1A200MG4834PP	DN10/12	G3/4"	PP
1A200MG4834PV	DN10/12	G3/4"	PVDF
1A200MG4838PAEP	DN10/12	G3/8"	PA/EPDM
1A200MG4838PN	DN10/12	G3/8"	PP-NATUR
1A200MG4838PP	DN10/12	G3/8"	PP
1A200MG4838PPFP	DN10/12	G3/8"	PP/FPM
1A200MG4838PV	DN10/12	G3/8"	PVDF
1A200MG4838PVFP	DN10/12	G3/8"	PVDF/FPM
1A200MG4912PAEP	DN10/14	G1/2"	PA/EPDM
1A200MG4912PN	DN10/14	G1/2"	PP-NATUR
1A200MG4912PP	DN10/14	G1/2"	PP
1A200MG4912PPFP	DN10/14	G1/2"	PP/FPM
1A200MG4912PV	DN10/14	G1/2"	PVDF
1A200MG4912PVFP	DN10/14	G1/2"	PVDF/FPM
1A200MG4914PAEP	DN10/14	G1/4"	PA/EPDM
1A200MG4914PN	DN10/14	G1/4"	PP-NATUR
1A200MG4914PP	DN10/14	G1/4"	PP
1A200MG4914PPFP	DN10/14	G1/4"	PP/FPM
1A200MG4914PV	DN10/14	G1/4"	PVDF
1A200MG4914PVFP	DN10/14	G1/4"	PVDF/FPM
1A200MG4918PAEP	DN10/14	G1/8"	PA/EPDM
1A200MG4918PP	DN10/14	G1/8"	PP
1A200MG4918PPFP	DN10/14	G1/8"	PP/FPM
1A200MG4918PV	DN10/14	G1/8"	PVDF
1A200MG4918PVFP	DN10/14	G1/8"	PVDF/FPM
1A200MG4938PAEP	DN10/14	G3/8"	PA/EPDM
1A200MG4938PP	DN10/14	G3/8"	PP
1A200MG4938PPFP	DN10/14	G3/8"	PP/FPM
1A200MG4938PV	DN10/14	G3/8"	PVDF
1A200MG4938PVFP	DN10/14	G3/8"	PVDF/FPM
1A200MG5112PAEP	DN12/14	G1/2"	PA/EPDM
1A200MG5112PN	DN12/14	G1/2"	PP-NATUR
1A200MG5112PP	DN12/14	G1/2"	PP
1A200MG5112PPFP	DN12/14	G1/2"	PP/FPM
1A200MG5112PV	DN12/14	G1/2"	PVDF
1A200MG5112PVFP	DN12/14	G1/2"	PVDF/FPM
1A200MG5114PAEP	DN12/14	G1/4"	PA/EPDM
1A200MG5114PN	DN12/14	G1/4"	PP-NATUR
1A200MG5114PP	DN12/14	G1/4"	PP
1A200MG5114PPFP	DN12/14	G1/4"	PP/FPM
1A200MG5114PV	DN12/14	G1/4"	PVDF
1A200MG5114PVFP	DN12/14	G1/4"	PVDF/FPM
1A200MG5118PAEP	DN12/14	G1/8"	PA/EPDM
1A200MG5118PP	DN12/14	G1/8"	PP
1A200MG5118PPFP	DN12/14	G1/8"	PP/FPM
1A200MG5118PV	DN12/14	G1/8"	PVDF
1A200MG5118PVFP	DN12/14	G1/8"	PVDF/FPM
1A200MG5134PP	DN12/14	G3/4"	PP
1A200MG5138PAEP	DN12/14	G3/8"	PA/EPDM
1A200MG5138PP	DN12/14	G3/8"	PP
1A200MG5138PPFP	DN12/14	G3/8"	PP/FPM
1A200MG5138PV	DN12/14	G3/8"	PVDF

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Elbow connector for flexible tube (Series 1A)
with male G-thread

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Article-Nr	Connection A	Connection B	Material
1A200MG5138PVFP	DN12/14	G3/8"	PVDF/FPM
1A200MG5212PP	DN12/16	G1/2"	PP
1A200MG5212PV	DN12/16	G1/2"	PVDF
1A200MG5214PP	DN12/16	G1/4"	PP
1A200MG5214PV	DN12/16	G1/4"	PVDF
1A200MG5234PP	DN12/16	G3/4"	PP
1A200MG5238PP	DN12/16	G3/8"	PP
1A200MG5238PV	DN12/16	G3/8"	PVDF
1A200MG5312PN	DN14/16	G1/2"	PP-NATUR
1A200MG5312PP	DN14/16	G1/2"	PP
1A200MG5312PV	DN14/16	G1/2"	PVDF
1A200MG5314PP	DN14/16	G1/4"	PP
1A200MG5314PV	DN14/16	G1/4"	PVDF
1A200MG5334PV	DN14/16	G3/4"	PVDF
1A200MG5338PP	DN14/16	G3/8"	PP
1A200MG5338PV	DN14/16	G3/8"	PVDF
1A200MG5412PP	DN14/18	G1/2"	PP
1A200MG5412PV	DN14/18	G1/2"	PVDF
1A200MG5414PP	DN14/18	G1/4"	PP
1A200MG5438PV	DN14/18	G3/8"	PVDF
1A200MG5512PP	DN16/18	G1/2"	PP
1A200MG5512PV	DN16/18	G1/2"	PVDF
1A200MG5534PP	DN16/18	G3/4"	PP
1A200MG5538PV	DN16/18	G3/8"	PVDF
1A200MG5612PN	DN16/20	G1/2"	PP-NATUR
1A200MG5612PP	DN16/20	G1/2"	PP
1A200MG5612PV	DN16/20	G1/2"	PVDF
1A200MG5634PP	DN16/20	G3/4"	PP
1A200MG5638PP	DN16/20	G3/8"	PP
1A200MG5638PV	DN16/20	G3/8"	PVDF
1A200MG5712PP	DN18/20	G1/2"	PP
1A200MG5712PV	DN18/20	G1/2"	PVDF
1A200MG5734PP	DN18/20	G3/4"	PP
1A200MG5734PV	DN18/20	G3/4"	PVDF

Dimensions 1A200MG . . . , 1C200MG . . .

	A(DN)	B(G)	I2	L16	~L17*	ØD4
4/6		1/8"	8	12	25	13
		1/6"/1/4"				
4/6		1/4"	12	13	26	15
		1/6"/1/4"				
4/6		3/8"	12	19	29	20
		1/6"/1/4"				
4/6		1/2"	14	15	32	25
		1/6"/1/4"				
5/8	6/8	1/8"	8	15	30	15
5/8	6/8	1/4"	12	15	30	15
5/8	6/8	3/8"	12	15	33	20
5/8	6/8	1/2"	14	15	36	25
6/9		1/8"	8			
6/9		1/4"	12			
6/9		3/8"	12			
6/9		1/2"	14			
6/10	8/10	1/8"	8	17	36	20
		1/4"/3/8"				
6/10	8/10	1/4"	12	17	36	20
		1/4"/3/8"				
6/10	8/10	3/8"	12	17	36	20
		1/4"/3/8"				
6/10	8/10	1/2"	14	17	39	25
		1/4"/3/8"				
8/12	9/12 10/12	1/4"	12	19	40	20
		3/8"/1/2"				

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Elbow connector for flexible tube (Series 1A)
with male G-thread

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A(DN)			B(G)	l2	L16	-L17*	ØD4
8/12	9/12	10/12	3/8"/1/2"	3/8"	12	19	20
8/12	9/12	10/12	3/8"/1/2"	1/2"	14	19	25
8/12	9/12	10/12	3/8"/1/2"	3/4"	16	19	30
10/14	12/14			1/4"	12	21	25
10/14	12/14			3/8"	12	21	25
10/14	12/14			1/2"	14	21	25
10/14	12/14			3/4"	16	21	30
12/16	14/16			3/8"	12	23	25
12/16	14/16			1/2"	14	23	25
12/16	14/16			3/4"	16	23	30
14/18	16/18			1/2"	14	25	30
14/18	16/18			3/4"	16	25	30
			5/8"/3/4"	1/4"	12	25	30
			5/8"/3/4"	3/8"	12	25	30
16/20	18/20		5/8"/3/4"	1/2"	14	25	30
16/20	18/20		5/8"/3/4"	3/4"	16	25	30

* for connections in inch add 2 mm per side

Elbow connector for flexible tube (Series 1A)
with male M-thread

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Article-Nr	Connection A	Connection B	Material
1A200MM4005PP	DN04/06	M5	PP
1A200MM4005PV	DN04/06	M5	PVDF
1A200MM4006PP	DN04/06	M6	PP
1A200MM4006PV	DN04/06	M6	PVDF
1A200MM4008PP	DN04/06	M8	PP
1A200MM4008PV	DN04/06	M8	PVDF
1A200MM4011PP	DN04/06	M10x1	PP
1A200MM4011PPFP	DN04/06	M10x1	PP/FPM
1A200MM4011PV	DN04/06	M10x1	PVDF
1A200MM4012PP	DN04/06	M10x1,5	PP
1A200MM4012PV	DN04/06	M10x1,5	PVDF
1A200MM4014PP	DN04/06	M12x1	PP
1A200MM4014PV	DN04/06	M12x1	PVDF
1A200MM4015PP	DN04/06	M12x1,5	PP
1A200MM4015PV	DN04/06	M12x1,5	PVDF
1A200MM4017PP	DN04/06	M14x1,5	PP
1A200MM4017PV	DN04/06	M14x1,5	PVDF
1A200MM4019PP	DN04/06	M16x1,5	PP
1A200MM4019PV	DN04/06	M16x1,5	PVDF
1A200MM4019PVFP	DN04/06	M16x1,5	PVDF/FPM
1A200MM4021PP	DN04/06	M18x1,5	PP
1A200MM4021PV	DN04/06	M18x1,5	PVDF
1A200MM4074PP	DN04/06	M10x1,25	PP
1A200MM4211PP	DN05/08	M10x1	PP
1A200MM4311PP	DN06/08	M10x1	PP
1A200MM4311PV	DN06/08	M10x1	PVDF
1A200MM4312PP	DN06/08	M10x1,5	PP
1A200MM4312PV	DN06/08	M10x1,5	PVDF
1A200MM4315PP	DN06/08	M12x1,5	PP
1A200MM4315PV	DN06/08	M12x1,5	PVDF
1A200MM4317PP	DN06/08	M14x1,5	PP
1A200MM4317PV	DN06/08	M14x1,5	PVDF
1A200MM4319PP	DN06/08	M16x1,5	PP
1A200MM4319PV	DN06/08	M16x1,5	PVDF
1A200MM4321PP	DN06/08	M18x1,5	PP
1A200MM4321PV	DN06/08	M18x1,5	PVDF
1A200MM4411PP	DN06/10	M10x1	PP
1A200MM4412PP	DN06/10	M10x1,5	PP
1A200MM4412PV	DN06/10	M10x1,5	PVDF
1A200MM4415PP	DN06/10	M12x1,5	PP
1A200MM4415PV	DN06/10	M12x1,5	PVDF
1A200MM4417PP	DN06/10	M14x1,5	PP
1A200MM4417PV	DN06/10	M14x1,5	PVDF
1A200MM4419PP	DN06/10	M16x1,5	PP
1A200MM4419PV	DN06/10	M16x1,5	PVDF
1A200MM4421PP	DN06/10	M18x1,5	PP
1A200MM4421PV	DN06/10	M18x1,5	PVDF
1A200MM4512PP	DN08/10	M10x1,5	PP
1A200MM4512PV	DN08/10	M10x1,5	PVDF
1A200MM4515PP	DN08/10	M12x1,5	PP
1A200MM4515PV	DN08/10	M12x1,5	PVDF
1A200MM4517PP	DN08/10	M14x1,5	PP
1A200MM4517PV	DN08/10	M14x1,5	PVDF
1A200MM4519PP	DN08/10	M16x1,5	PP
1A200MM4519PV	DN08/10	M16x1,5	PVDF
1A200MM4521PP	DN08/10	M18x1,5	PP
1A200MM4521PV	DN08/10	M18x1,5	PVDF
1A200MM4614PP	DN08/12	M12x1	PP
1A200MM4614PV	DN08/12	M12x1	PVDF
1A200MM4615PP	DN08/12	M12x1,5	PP
1A200MM4615PV	DN08/12	M12x1,5	PVDF
1A200MM4617PP	DN08/12	M14x1,5	PP

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Elbow connector for flexible tube (Series 1A)
with male M-thread

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Article-Nr	Connection A	Connection B	Material
1A200MM4617PV	DN08/12	M14x1,5	PVDF
1A200MM4619PP	DN08/12	M16x1,5	PP
1A200MM4619PV	DN08/12	M16x1,5	PVDF
1A200MM4621PP	DN08/12	M18x1,5	PP
1A200MM4621PV	DN08/12	M18x1,5	PVDF
1A200MM4812PP	DN10/12	M10x1,5	PP
1A200MM4812PV	DN10/12	M10x1,5	PVDF
1A200MM4815PP	DN10/12	M12x1,5	PP
1A200MM4815PV	DN10/12	M12x1,5	PVDF
1A200MM4817PP	DN10/12	M14x1,5	PP
1A200MM4817PV	DN10/12	M14x1,5	PVDF
1A200MM4819PP	DN10/12	M16x1,5	PP
1A200MM4819PV	DN10/12	M16x1,5	PVDF
1A200MM4821PP	DN10/12	M18x1,5	PP
1A200MM4821PV	DN10/12	M18x1,5	PVDF
1A200MM4915PP	DN10/14	M12x1,5	PP
1A200MM4915PV	DN10/14	M12x1,5	PVDF
1A200MM4917PP	DN10/14	M14x1,5	PP
1A200MM4917PV	DN10/14	M14x1,5	PVDF
1A200MM4919PP	DN10/14	M16x1,5	PP
1A200MM4919PV	DN10/14	M16x1,5	PVDF
1A200MM4921PP	DN10/14	M18x1,5	PP
1A200MM4921PV	DN10/14	M18x1,5	PVDF
1A200MM5115PP	DN12/14	M12x1,5	PP
1A200MM5115PV	DN12/14	M12x1,5	PVDF
1A200MM5117PP	DN12/14	M14x1,5	PP
1A200MM5117PV	DN12/14	M14x1,5	PVDF
1A200MM5119PP	DN12/14	M16x1,5	PP
1A200MM5119PV	DN12/14	M16x1,5	PVDF
1A200MM5121PP	DN12/14	M18x1,5	PP
1A200MM5121PV	DN12/14	M18x1,5	PVDF

Dimensions 1A200MM. . . , 1C200MM. . .

	A(DN)	B(M)	I2	L16	~L17	ØD4	
4/6		5	6	12	25	13	
4/6		6	6	12	25	13	
4/6		10x1	8	12	25	13	
4/6		10x1,5	8	12	25	13	
4/6		12x1,5	12	13	26	15	
4/6		14x1,5	12	13	26	15	
4/6		16x1,5	12	15	29	20	
4/6		18x1,5	12	15	29	20	
5/8	6/8	10x1	8	15	30	15	
5/8	6/8	10x1,5	8	15	30	15	
5/8	6/8	12x1,5	12	15	30	15	
5/8	6/8	14x1,5	12	15	30	15	
5/8	6/8	16x1,5	12	15	33	20	
5/8	6/8	18x1,5	12	15	33	20	
6/9		10x1	8				
6/9		10x1,5	8				
6/9		12x1,5	12				
6/9		14x1,5	12				
6/9		16x1,5	12				
6/9		18x1,5	12				
6/10	8/10	10x1	8	17	36	20	
6/10	8/10	10x1,5	8	17	36	20	
6/10	8/10	12x1,5	12	17	36	20	
6/10	8/10	14x1,5	12	17	36	20	
6/10	8/10	16x1,5	12	17	36	20	
6/10	8/10	18x1,5	12	17	36	20	
8/12	9/12	10/12	12x1,5	12	19	40	20

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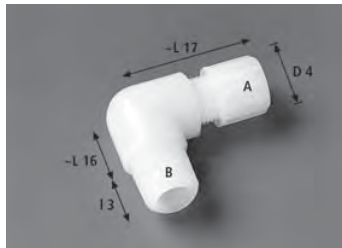
Elbow connector for flexible tube (Series 1A)
with male M-thread

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	A(DN)		B(M)	I2	L16	~L17	ØD4
8/12	9/12	10/12	14x1,5	12	19	40	20
8/12	9/12	10/12	16x1,5	12	19	40	20
8/12	9/12	10/12	18x1,5	12	19	40	20
10/14	12/14		12x1,5	12	21	48	25
10/14	12/14		14x1,5	12	21	48	25
10/14	12/14		16x1,5	12	21	48	25
10/14	12/14		18x1,5	12	21	48	25
12/16	14/16		12x1,5	12	23	50	25
12/16	14/16		14x1,5	12	23	50	25
12/16	14/16		16x1,5	12	23	50	25
12/16	14/16		18x1,5	12	23	50	25
14/18	16/18		18x1,5	12	25	55	30
14/18	16/18		20x1,5	14	25	55	30
14/18	16/18		22x1,5	14	25	55	30
14/18	16/18		24x1,5	16	25	55	30
16/20	18/20		20x1,5	14	25	57	30
16/20	18/20		22x1,5	14	25	57	30
16/20	18/20		24x1,5	16	25	57	30

Elbow connector for flexible tube (Series 1A)
with male NPT-thread

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Article-Nr	Connection A	Connection B	Material
1A200MN0314PP	DN1/8"/1/4"	NPT1/4"	PP
1A200MN0314PV	DN1/8"/1/4"	NPT1/4"	PVDF
1A200MN0514PP	DN1/6"/1/4"	NPT1/4"	PP
1A200MN0514PV	DN1/6"/1/4"	NPT1/4"	PVDF
1A200MN0518PP	DN1/6"/1/4"	NPT1/8"	PP
1A200MN0518PV	DN1/6"/1/4"	NPT1/8"	PVDF
1A200MN0614PV	DN3/16"/1/4"	NPT1/4"	PVDF
1A200MN0618PV	DN3/16"/1/4"	NPT1/8"	PVDF
1A200MN1112PP	DN1/4"/3/8"	NPT1/2"	PP
1A200MN1112PV	DN1/4"/3/8"	NPT1/2"	PVDF
1A200MN1114PP	DN1/4"/3/8"	NPT1/4"	PP
1A200MN1114PV	DN1/4"/3/8"	NPT1/4"	PVDF
1A200MN1118PP	DN1/4"/3/8"	NPT1/8"	PP
1A200MN1118PV	DN1/4"/3/8"	NPT1/8"	PVDF
1A200MN1138PP	DN1/4"/3/8"	NPT3/8"	PP
1A200MN1512PP	DN3/8"/1/2"	NPT1/2"	PP
1A200MN1512PV	DN3/8"/1/2"	NPT1/2"	PVDF
1A200MN1514PP	DN3/8"/1/2"	NPT1/4"	PP
1A200MN1514PV	DN3/8"/1/2"	NPT1/4"	PVDF
1A200MN1518PP	DN3/8"/1/2"	NPT1/8"	PP
1A200MN1518PV	DN3/8"/1/2"	NPT1/8"	PVDF
1A200MN1538PP	DN3/8"/1/2"	NPT3/8"	PP
1A200MN2012PP	DN5/8"/3/4"	NPT1/2"	PP
1A200MN2034PP	DN5/8"/3/4"	NPT3/4"	PP
1A200MN4012PN	DN04/06	NPT1/2"	PP-NATUR
1A200MN4012PP	DN04/06	NPT1/2"	PP
1A200MN4012PV	DN04/06	NPT1/2"	PVDF
1A200MN4014PN	DN04/06	NPT1/4"	PP-NATUR
1A200MN4014PP	DN04/06	NPT1/4"	PP
1A200MN4014PV	DN04/06	NPT1/4"	PVDF
1A200MN4018PN	DN04/06	NPT1/8"	PP-NATUR
1A200MN4018PP	DN04/06	NPT1/8"	PP
1A200MN4018PV	DN04/06	NPT1/8"	PVDF
1A200MN4038PN	DN04/06	NPT3/8"	PP-NATUR
1A200MN4038PP	DN04/06	NPT3/8"	PP
1A200MN4038PV	DN04/06	NPT3/8"	PVDF
1A200MN4214PV	DN05/08	NPT1/4"	PVDF
1A200MN4218PP	DN05/08	NPT1/8"	PP
1A200MN4218PV	DN05/08	NPT1/8"	PVDF
1A200MN4312PN	DN06/08	NPT1/2"	PP-NATUR
1A200MN4312PP	DN06/08	NPT1/2"	PP
1A200MN4312PV	DN06/08	NPT1/2"	PVDF
1A200MN4314PN	DN06/08	NPT1/4"	PP-NATUR
1A200MN4314PP	DN06/08	NPT1/4"	PP
1A200MN4314PV	DN06/08	NPT1/4"	PVDF
1A200MN4318PN	DN06/08	NPT1/8"	PP-NATUR
1A200MN4318PP	DN06/08	NPT1/8"	PP
1A200MN4318PV	DN06/08	NPT1/8"	PVDF
1A200MN4338PN	DN06/08	NPT3/8"	PP-NATUR
1A200MN4338PP	DN06/08	NPT3/8"	PP
1A200MN4338PV	DN06/08	NPT3/8"	PVDF
1A200MN4412PN	DN06/10	NPT1/2"	PP-NATUR
1A200MN4412PP	DN06/10	NPT1/2"	PP
1A200MN4412PV	DN06/10	NPT1/2"	PVDF
1A200MN4414PP	DN06/10	NPT1/4"	PP
1A200MN4414PV	DN06/10	NPT1/4"	PVDF
1A200MN4418PP	DN06/10	NPT1/8"	PP
1A200MN4418PV	DN06/10	NPT1/8"	PVDF
1A200MN4438PP	DN06/10	NPT3/8"	PP
1A200MN4438PV	DN06/10	NPT3/8"	PVDF
1A200MN4512PN	DN08/10	NPT1/2"	PP-NATUR
1A200MN4512PP	DN08/10	NPT1/2"	PP

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Elbow connector for flexible tube (Series 1A)
with male NPT-thread

1

Article-Nr	Connection A	Connection B	Material
1A200MN4512PV	DN08/10	NPT1/2"	PVDF
1A200MN4514PN	DN08/10	NPT1/4"	PP-NATUR
1A200MN4514PP	DN08/10	NPT1/4"	PP
1A200MN4514PV	DN08/10	NPT1/4"	PVDF
1A200MN4518PN	DN08/10	NPT1/8"	PP-NATUR
1A200MN4518PP	DN08/10	NPT1/8"	PP
1A200MN4518PV	DN08/10	NPT1/8"	PVDF
1A200MN4538PN	DN08/10	NPT3/8"	PP-NATUR
1A200MN4538PP	DN08/10	NPT3/8"	PP
1A200MN4538PV	DN08/10	NPT3/8"	PVDF
1A200MN4612PP	DN08/12	NPT1/2"	PP
1A200MN4612PV	DN08/12	NPT1/2"	PVDF
1A200MN4614PP	DN08/12	NPT1/4"	PP
1A200MN4614PV	DN08/12	NPT1/4"	PVDF
1A200MN4618PP	DN08/12	NPT1/8"	PP
1A200MN4618PV	DN08/12	NPT1/8"	PVDF
1A200MN4634PV	DN08/12	NPT3/4"	PVDF
1A200MN4638PP	DN08/12	NPT3/8"	PP
1A200MN4638PV	DN08/12	NPT3/8"	PVDF
1A200MN4712PP	DN09/12	NPT1/2"	PP
1A200MN4712PV	DN09/12	NPT1/2"	PVDF
1A200MN4714PV	DN09/12	NPT1/4"	PVDF
1A200MN4738PP	DN09/12	NPT3/8"	PP
1A200MN4738PV	DN09/12	NPT3/8"	PVDF
1A200MN4812PN	DN10/12	NPT1/2"	PP-NATUR
1A200MN4812PP	DN10/12	NPT1/2"	PP
1A200MN4812PV	DN10/12	NPT1/2"	PVDF
1A200MN4814PN	DN10/12	NPT1/4"	PP-NATUR
1A200MN4814PP	DN10/12	NPT1/4"	PP
1A200MN4814PV	DN10/12	NPT1/4"	PVDF
1A200MN4818PN	DN10/12	NPT1/8"	PP-NATUR
1A200MN4818PP	DN10/12	NPT1/8"	PP
1A200MN4818PV	DN10/12	NPT1/8"	PVDF
1A200MN4838PN	DN10/12	NPT3/8"	PP-NATUR
1A200MN4838PP	DN10/12	NPT3/8"	PP
1A200MN4838PV	DN10/12	NPT3/8"	PVDF
1A200MN4912PP	DN10/14	NPT1/2"	PP
1A200MN4912PV	DN10/14	NPT1/2"	PVDF
1A200MN4914PP	DN10/14	NPT1/4"	PP
1A200MN4914PV	DN10/14	NPT1/4"	PVDF
1A200MN4918PP	DN10/14	NPT1/8"	PP
1A200MN4918PV	DN10/14	NPT1/8"	PVDF
1A200MN4938PP	DN10/14	NPT3/8"	PP
1A200MN4938PV	DN10/14	NPT3/8"	PVDF
1A200MN5112PP	DN12/14	NPT1/2"	PP
1A200MN5112PV	DN12/14	NPT1/2"	PVDF
1A200MN5114PN	DN12/14	NPT1/4"	PP-NATUR
1A200MN5114PP	DN12/14	NPT1/4"	PP
1A200MN5114PV	DN12/14	NPT1/4"	PVDF
1A200MN5118PN	DN12/14	NPT1/8"	PP-NATUR
1A200MN5118PP	DN12/14	NPT1/8"	PP
1A200MN5118PV	DN12/14	NPT1/8"	PVDF
1A200MN5138PN	DN12/14	NPT3/8"	PP-NATUR
1A200MN5138PP	DN12/14	NPT3/8"	PP
1A200MN5138PV	DN12/14	NPT3/8"	PVDF
1A200MN5212PP	DN12/16	NPT1/2"	PP
1A200MN5212PV	DN12/16	NPT1/2"	PVDF
1A200MN5214PP	DN12/16	NPT1/4"	PP
1A200MN5214PV	DN12/16	NPT1/4"	PVDF
1A200MN5238PP	DN12/16	NPT3/8"	PP
1A200MN5238PV	DN12/16	NPT3/8"	PVDF
1A200MN5312PP	DN14/16	NPT1/2"	PP

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Elbow connector for flexible tube (Series 1A)
with male NPT-thread

1

Article-Nr	Connection A	Connection B	Material
1A200MN5312PV	DN14/16	NPT1/2"	PVDF
1A200MN5314PV	DN14/16	NPT1/4"	PVDF
1A200MN5334PP	DN14/16	NPT3/4"	PP
1A200MN5338PP	DN14/16	NPT3/8"	PP
1A200MN5338PV	DN14/16	NPT3/8"	PVDF
1A200MN5412PV	DN14/18	NPT1/2"	PVDF
1A200MN5438PV	DN14/18	NPT3/8"	PVDF
1A200MN5512PP	DN16/18	NPT1/2"	PP
1A200MN5512PV	DN16/18	NPT1/2"	PVDF
1A200MN5538PV	DN16/18	NPT3/8"	PVDF
1A200MN5612PP	DN16/20	NPT1/2"	PP
1A200MN5612PV	DN16/20	NPT1/2"	PVDF
1A200MN5634PP	DN16/20	NPT3/4"	PP
1A200MN5638PV	DN16/20	NPT3/8"	PVDF
1A200MN5712PP	DN18/20	NPT1/2"	PP
1A200MN5712PV	DN18/20	NPT1/2"	PVDF
1A200MN5738PV	DN18/20	NPT3/8"	PVDF

Dimensions 1A200MN... , 1C200MN...

A(DN)		B(NPT)	l3	L16	~L17*	ØD4
4/6		1/8"	10	12	25	13
		1/6"/1/4"				
4/6		1/4"	15	13	26	15
		1/6"/1/4"				
4/6		3/8"	15.3	15	29	20
		1/6"/1/4"				
4/6		1/2"	20	15	32	25
		1/6"/1/4"				
5/8	6/8	1/8"	10	15	30	15
5/8	6/8	1/4"	15	15	30	15
5/8	6/8	3/8"	15.3	15	33	20
5/8	6/8	1/2"	20	15	36	25
6/9		1/8"	10			
6/9		1/4"	15			
6/9		3/8"	15.3			
6/9		1/2"	20			
6/10	8/10	1/8"	10	17	36	20
		1/4"/3/8"				
6/10	8/10	1/4"	15	17	36	20
		1/4"/3/8"				
6/10	8/10	3/8"	15.3	17	36	20
		1/4"/3/8"				
6/10	8/10	1/2"	20	17	39	25
		1/4"/3/8"				
8/12	9/12 10/12	1/4"	15	19	40	20
		3/8"/1/2"				
8/12	9/12 10/12	3/8"	15.3	19	40	20
		3/8"/1/2"				
8/12	9/12 10/12	1/2"	20	21	40	25
		3/8"/1/2"				
8/12	9/12 10/12	3/4"	20	25	43	30
		3/8"/1/2"				
10/14	12/14	1/4"	15	21	48	25
10/14	12/14	3/8"	15.3	21	48	25
10/14	12/14	1/2"	20	21	48	25
10/14	12/14	3/4"	20	25	50	30
12/16	14/16	3/8"	15.3	23	50	25
12/16	14/16	1/2"	20	23	50	25
12/16	14/16	3/4"	20	25	52	30
14/18	16/18	1/2"	20	25	55	30
14/18	16/18	3/4"	20	25	55	30
		1/4"	15	25	57	30
		5/8"/3/4"				
		3/8"	15.3	25	57	30
		5/8"/3/4"				

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**Elbow connector for flexible tube (Series 1A)
with male NPT-thread**

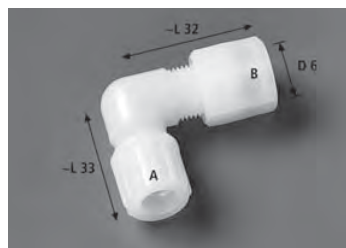
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	A(DN)		B(NPT)	I3	L16	~L17*	ØD4
16/20	18/20	5/8"/3/4"	1/2"	20	25	57	30
16/20	18/20	5/8"/3/4"	3/4"	20	25	57	30

* for connections in inch add 2 mm per side

Elbow union for flexible tube (Series 1A) with connection for pipe (Series 2N)

1



Article-Nr	Connection A	Connection B	Material
1A200P0305PV	DN1/8"/1/4"	D1/4"	PVDF
1A200P1140PV	DN1/4"/3/8"	D06	PVDF
1A200P4005PP	DN04/06	D1/4"	PP
1A200P4005PV	DN04/06	D1/4"	PVDF
1A200P4038PP	DN04/06	D04	PP
1A200P4038PV	DN04/06	D04	PVDF
1A200P4043PP	DN04/06	D08	PP
1A200P4043PV	DN04/06	D08	PVDF
1A200P4045PP	DN04/06	D10	PP
1A200P4045PV	DN04/06	D10	PVDF
1A200P4048PP	DN04/06	D12	PP
1A200P4048PV	DN04/06	D12	PVDF
1A200P40PN	DN04/06	D06	PP-NATUR
1A200P40PP	DN04/06	D06	PP
1A200P40PV	DN04/06	D06	PVDF
1A200P4338PP	DN06/08	D04	PP
1A200P4338PV	DN06/08	D04	PVDF
1A200P4340PP	DN06/08	D06	PP
1A200P4340PV	DN06/08	D06	PVDF
1A200P4345PP	DN06/08	D10	PP
1A200P4345PV	DN06/08	D10	PVDF
1A200P4348PP	DN06/08	D12	PP
1A200P43PN	DN06/08	D08	PP-NATUR
1A200P43PP	DN06/08	D08	PP
1A200P43PV	DN06/08	D08	PVDF
1A200P4443PV	DN06/10	D08	PVDF
1A200P4511PP	DN08/10	D3/8"	PP
1A200P4540PV	DN08/10	D06	PVDF
1A200P4543PV	DN08/10	D08	PVDF
1A200P4548PP	DN08/10	D12	PP
1A200P4548PV	DN08/10	D12	PVDF
1A200P45PN	DN08/10	D10	PP-NATUR
1A200P45PP	DN08/10	D10	PP
1A200P45PV	DN08/10	D10	PVDF
1A200P4648PV	DN08/12	D12	PVDF
1A200P4745PV	DN09/12	D10	PVDF
1A200P4748PV	DN09/12	D12	PVDF
1A200P4843PV	DN10/12	D08	PVDF
1A200P4845PV	DN10/12	D10	PVDF
1A200P4853PP	DN10/12	D16	PP
1A200P4853PV	DN10/12	D16	PVDF
1A200P48PN	DN10/12	D12	PP-NATUR
1A200P48PP	DN10/12	D12	PP
1A200P48PV	DN10/12	D12	PVDF
1A200P49PV	DN10/14	DN10/14	PVDF
1A200P5145PP	DN12/14	D10	PP
1A200P5151PV	DN12/14	D14	PVDF
1A200P5215PP	DN12/16	D1/2"	PP

Dimensions 1A200P... , 1C200P...

A(DN)			B(D)		~L32	~L33*	ØD6
4/6		1/6"- 1/4"	6	1/4"	39	26	15
5/8	6/8		8		40	30	15
6/9							
6/10	8/10	1/4"- 3/8"	10	3/8"	45	36	20
8/12	9/12 10/12	3/8"- 1/2"	12	1/2"	49	43	20
10/14	12/14		14				
12/16	14/16		16				

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Elbow union for flexible tube (Series 1A) with connection for pipe (Series 2N)

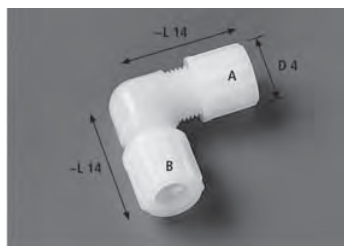
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	A(DN)		B(D)		~L32	~L33*	ØD6
14/18	16/18		18	3/4"	59	55	30
16/20	18/20	5/8"- 3/4"	20				

* for connections in inch add 2 mm per side

Elbow union for flexible tube on both ends (Series 1A)

1



Article-Nr	Connection A	Connection B	Material
1A200T03PP	DN1/8"/1/4"	DN1/8"/1/4"	PP
1A200T03PV	DN1/8"/1/4"	DN1/8"/1/4"	PVDF
1A200T05PP	DN1/6"/1/4"	DN1/6"/1/4"	PP
1A200T05PV	DN1/6"/1/4"	DN1/6"/1/4"	PVDF
1A200T11PP	DN1/4"/3/8"	DN1/4"/3/8"	PP
1A200T11PV	DN1/4"/3/8"	DN1/4"/3/8"	PVDF
1A200T15PP	DN3/8"/1/2"	DN3/8"/1/2"	PP
1A200T15PV	DN3/8"/1/2"	DN3/8"/1/2"	PVDF
1A200T20PP	DN5/8"/3/4"	DN5/8"/3/4"	PP
1A200T20PV	DN5/8"/3/4"	DN5/8"/3/4"	PVDF
1A200T4003PP	DN04/06	DN1/8"/1/4"	PP
1A200T4005PP	DN04/06	DN1/6"/1/4"	PP
1A200T4005PV	DN04/06	DN1/6"/1/4"	PVDF
1A200T40PN	DN04/06	DN04/06	PP-NATUR
1A200T40PP	DN04/06	DN04/06	PP
1A200T40PV	DN04/06	DN04/06	PVDF
1A200T42PP	DN05/08	DN05/08	PP
1A200T42PV	DN05/08	DN05/08	PVDF
1A200T4311PV	DN06/08	DN1/4"/3/8"	PVDF
1A200T4340PN	DN06/08	DN04/06	PP-NATUR
1A200T4340PP	DN06/08	DN04/06	PP
1A200T4340PV	DN06/08	DN04/06	PVDF
1A200T43PN	DN06/08	DN06/08	PP-NATUR
1A200T43PP	DN06/08	DN06/08	PP
1A200T43PV	DN06/08	DN06/08	PVDF
1A200T4440PP	DN06/10	DN04/06	PP
1A200T4440PV	DN06/10	DN04/06	PVDF
1A200T4443PP	DN06/10	DN06/08	PP
1A200T44PP	DN06/10	DN06/10	PP
1A200T44PV	DN06/10	DN06/10	PVDF
1A200T4540PP	DN08/10	DN04/06	PP
1A200T4540PV	DN08/10	DN04/06	PVDF
1A200T4543PP	DN08/10	DN06/08	PP
1A200T4543PV	DN08/10	DN06/08	PVDF
1A200T45PN	DN08/10	DN08/10	PP-NATUR
1A200T45PP	DN08/10	DN08/10	PP
1A200T45PV	DN08/10	DN08/10	PVDF
1A200T4640PP	DN08/12	DN04/06	PP
1A200T4640PV	DN08/12	DN04/06	PVDF
1A200T4643PP	DN08/12	DN06/08	PP
1A200T4643PV	DN08/12	DN06/08	PVDF
1A200T46PP	DN08/12	DN08/12	PP
1A200T46PV	DN08/12	DN08/12	PVDF
1A200T4743PV	DN09/12	DN06/08	PVDF
1A200T47PN	DN09/12	DN09/12	PP-NATUR
1A200T47PP	DN09/12	DN09/12	PP
1A200T47PV	DN09/12	DN09/12	PVDF
1A200T4840PP	DN10/12	DN04/06	PP
1A200T4840PV	DN10/12	DN04/06	PVDF
1A200T4843PP	DN10/12	DN06/08	PP
1A200T4843PV	DN10/12	DN06/08	PVDF
1A200T4845PP	DN10/12	DN08/10	PP
1A200T4845PV	DN10/12	DN08/10	PVDF
1A200T48PN	DN10/12	DN10/12	PP-NATUR
1A200T48PP	DN10/12	DN10/12	PP
1A200T48PV	DN10/12	DN10/12	PVDF
1A200T48PVEL	DN10/12	DN10/12	PVDF LEITFähIG
1A200T4940PV	DN10/14	DN04/06	PVDF
1A200T4948PV	DN10/14	DN10/12	PVDF
1A200T49PP	DN10/14	DN10/14	PP
1A200T49PV	DN10/14	DN10/14	PVDF

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Elbow union for flexible tube on both ends (Series 1A)

1

Article-Nr	Connection A	Connection B	Material
1A200T5140PV	DN12/14	DN04/06	PVDF
1A200T5148PP	DN12/14	DN10/12	PP
1A200T51PN	DN12/14	DN12/14	PP-NATUR
1A200T51PP	DN12/14	DN12/14	PP
1A200T51PV	DN12/14	DN12/14	PVDF
1A200T5240PP	DN12/16	DN04/06	PP
1A200T5240PV	DN12/16	DN04/06	PVDF
1A200T5248PP	DN12/16	DN10/12	PP
1A200T5248PV	DN12/16	DN10/12	PVDF
1A200T52PP	DN12/16	DN12/16	PP
1A200T52PV	DN12/16	DN12/16	PVDF
1A200T5340PV	DN14/16	DN04/06	PVDF
1A200T5343PP	DN14/16	DN06/08	PP
1A200T53PP	DN14/16	DN14/16	PP
1A200T53PV	DN14/16	DN14/16	PVDF
1A200T54PP	DN14/18	DN14/18	PP
1A200T54PV	DN14/18	DN14/18	PVDF
1A200T55PP	DN16/18	DN16/18	PP
1A200T55PV	DN16/18	DN16/18	PVDF
1A200T5649PV	DN16/20	DN10/14	PVDF
1A200T56PP	DN16/20	DN16/20	PP
1A200T56PV	DN16/20	DN16/20	PVDF
1A200T57PP	DN18/20	DN18/20	PP
1A200T57PV	DN18/20	DN18/20	PVDF

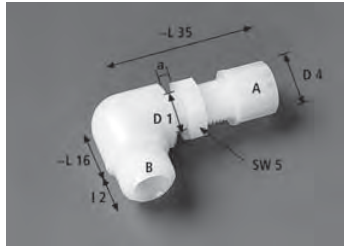
Dimensions 1A200T... , 1C200T...

	A-B(DN)		~L14*	ØD4	
4/6		1/6"-1/4"	25	13	
5/8**	6/8		30	15	
6/9					
6/10	8/10	1/4"-3/8"	36	20	
8/12	9/12	10/12	3/8"-1/2"	43	20
10/14	12/14		48	25	
12/16	14/16		50	25	
14/18	16/18		55	30	
16/20	18/20	5/8"-3/4"	57	30	

* for connections in inch add 2 mm per side

**Elbow bulkhead connector for flexible tube
(Series 1A) with male G-thread**

1



Article-Nr	Connection A	Connection B	Material
1A201MG4014PP	DN04/06	G1/4"	PP
1A201MG4014PV	DN04/06	G1/4"	PVDF
1A201MG4018PP	DN04/06	G1/8"	PP
1A201MG4018PV	DN04/06	G1/8"	PVDF
1A201MG4214PP	DN05/08	G1/4"	PP
1A201MG4314PP	DN06/08	G1/4"	PP
1A201MG4318PP	DN06/08	G1/8"	PP
1A201MG4414PP	DN06/10	G1/4"	PP
1A201MG4512PP	DN08/10	G1/2"	PP
1A201MG4512PV	DN08/10	G1/2"	PVDF
1A201MG4514PP	DN08/10	G1/4"	PP
1A201MG4538PV	DN08/10	G3/8"	PVDF
1A201MG4812PV	DN10/12	G1/2"	PVDF
1A201MG4814PN	DN10/12	G1/4"	PP-NATUR
1A201MG5112PP	DN12/14	G1/2"	PP
1A201MG5138PP	DN12/14	G3/8"	PP

Dimensions 1A201MG... , 1C201MG...

A(DN)		B(G)	l2	L16	~L35*	SW5	ØD1	ØD4	a
4/6		1/8"	8	12	43	14	10.5	13	9
4/6		1/6"/1/4"							
4/6		1/4"	12	13	43	14	10.5	15	9
4/6		1/6"/1/2"							
4/6		3/8"	12	15	43	14	10.5	20	9
4/6		1/6"/1/4"							
4/6		1/2"	14	15	46	14	10.5	25	9
4/6		1/6"/1/2"							
5/8	6/8	1/8"	8	15	53	19	14.5	20	9
5/8	6/8	1/4"	12	15	53	19	14.5	20	9
5/8	6/8	3/8"	12	15	53	19	14.5	20	9
5/8	6/8	1/2"	14	15	53	19	14.5	25	9
6/9		1/8"	8				16.5		
6/9		1/4"	12				16.5		
6/9		3/8"	12				16.5		
6/9		1/2"	14				16.5		
6/10	8/10	1/8"	8	17	58	22	16.5	20	10
6/10	8/10	1/4"/3/8"							
6/10	8/10	1/4"	12	17	58	22	16.5	20	10
6/10	8/10	1/4"/3/8"							
6/10	8/10	3/8"	12	17	58	22	16.5	20	10
6/10	8/10	1/4"/3/8"							
6/10	8/10	1/2"	14	17	58	22	16.5	25	10
6/10	8/10	1/4"/3/8"							
8/12	9/12	1/4"	12	19	67	24	18.5	25	12
8/12	9/12	3/8"/1/2"							
8/12	9/12	3/8"	12	19	67	24	18.5	25	12
8/12	9/12	3/8"/1/2"							
8/12	9/12	1/2"	14	19	67	24	18.5	25	12
8/12	9/12	3/4"/1/2"							
8/12	9/12	3/4"	16	19	67	24	18.5	30	12
8/12	9/12	3/8"/1/2"							
10/14		1/4"	12	21	73	27	20.5	25	14
10/14	12/14								
10/14	12/14	3/8"	12	21	73	27	20.5	25	14
10/14	12/14								
10/14	12/14	1/2"	14	21	73	27	20.5	25	14
10/14	12/14								
10/14	12/14	3/4"	16	21	75	27	20.5	30	14
10/14	12/14								
12/16	14/16	3/8"	12	23	78	27	22.5	25	16
12/16	14/16	1/2"	14	23	78	27	22.5	25	16
12/16	14/16	3/4"	16	23	80	27	22.5	30	16
12/16	14/16								

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Elbow bulkhead connector for flexible tube
(Series 1A) with male G-thread

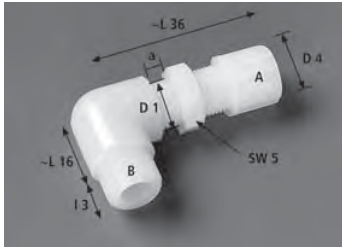
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A(DN)		B(G)	I2	L16	~L35*	SW5	ØD1	ØD4	a
14/18	16/18	1/2"	14	25	83	30	24.5	30	16
14/18	16/18	3/4"	16	25	83	30	24.5	30	16
		1/4"	12	25	87	32	26.5	30	18
		3/8"	12	25	87	32	26.5	30	18
		5/8"/3/4"							
16/20	18/20	1/2"	14	25	87	32	26.5	30	18
16/20	18/20	3/4"	16	25	87	32	26.5	30	18
		5/8"/3/4"							

* for connections in inch add 2 mm per side

Elbow bulkhead connector for flexible tube
(Series 1A) with male NPT-thread

1



Article-Nr	Connection A	Connection B	Material
1A201MN4014PP	DN04/06	NPT1/4"	PP
1A201MN4314PP	DN06/08	NPT1/4"	PP
1A201MN4414PP	DN06/10	NPT1/4"	PP
1A201MN4514PP	DN08/10	NPT1/4"	PP
1A201MN4938PP	DN10/14	NPT3/8"	PP

Dimensions 1A201MN... , 1C201MN...

A(DN)		B(NPT)	I3	L16	~L36*	SW5	ØD1	ØD4	a
4/6		1/8"	10	12	43	14	10.5	13	9
		1/6"/1/4"							
4/6		1/4"	15	13	43	14	10.5	15	9
		1/6"/1/2"							
4/6		3/8"	15.3	15	43	14	10.5	20	9
		1/6"/1/4"							
4/6		1/2"	20	15	46	14	10.5	25	9
		1/6"/1/2"							
5/8	6/8	1/8"	10	15	53	19	14.5	20	9
5/8	6/8	1/4"	15	15	53	19	14.5	20	9
5/8	6/8	3/8"	15.3	15	53	19	14.5	20	9
5/8	6/8	1/2"	20	15	53	19	14.5	25	9
6/9		1/8"	10				16.5		
6/9		1/4"	15				16.5		
6/9		3/8"	15.3				16.5		
6/9		1/2"	20				16.5		
6/10	8/10	1/8"	10	17	58	22	16.5	20	10
		1/4"/3/8"							
6/10	8/10	1/4"	15	17	58	22	16.5	20	10
		1/4"/3/4"							
6/10	8/10	3/8"	15.3	17	58	22	16.5	20	10
		1/4"/3/8"							
6/10	8/10	1/2"	20	17	58	22	16.5	25	10
		1/4"/3/4"							
8/12	9/12	1/4"	15	19	67	24	18.5	25	12
	10/12	3/8"/1/2"							
8/12	9/12	3/8"	15.3	19	67	24	18.5	25	12
	10/12	3/8"/1/2"							
8/12	9/12	1/2"	20	19	67	24	18.5	25	12
	10/12	3/8"/1/2"							
8/12	9/12	3/4"	20	19	67	24	18.5	30	12
	10/12	3/8"/1/2"							
10/14		1/4"	15	21	73	27	20.5	25	14
	12/14								
10/14		3/8"	15.3	21	73	27	20.5	25	14
	12/14								
10/14		1/2"	20	21	73	27	20.5	25	14
	12/14								
10/14		3/4"	20	25	75	27	20.5	30	14
	12/14								
12/16		3/8"	15.3	23	78	27	22.5	25	16
	14/16								
12/16		1/2"	20	23	78	27	22.5	25	16
	14/16								
12/16		3/4"	20	25	80	27	22.5	30	16
	14/16								
14/18		1/2"	20	25	83	30	24.5	30	16
	16/18								
14/18		3/4"	20	25	83	30	24.5	30	16
	16/18								
		1/4"	15	25	87	32	26.5	30	18
		5/8"/3/4"							
		3/8"	15.3	25	87	32	26.5	30	18
		5/8"/3/4"							
16/20		1/2"	20	25	87	32	26.5	30	18
	18/20	5/8"/3/4"							
16/20		3/4"	20	25	87	32	26.5	30	18
	18/20	5/8"/3/4"							

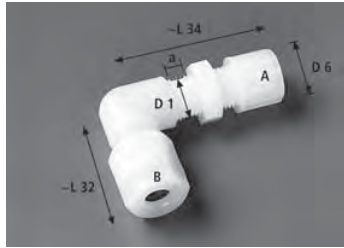
**Elbow bulkhead connector for flexible tube
(Series 1A) with male NPT-thread**

1

* for connections in inch add 2 mm per side

Elbow bulkhead union for flexible tube (Series 1A) with connection for pipe (Series 2N)

1



Article-Nr	Connection A	Connection B	Material
1A201P4038PV	DN04/06	D04	PVDF
1A201P40PP	DN04/06	D06	PP
1A201P40PV	DN04/06	D06	PVDF
1A201P43PP	DN06/08	D08	PP
1A201P43PV	DN06/08	D08	PVDF
1A201P45PP	DN08/10	D10	PP
1A201P48PP	DN10/12	D12	PP
1A201P53PP	DN14/16	D16	PP

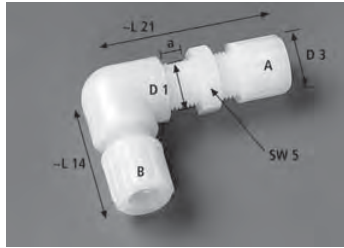
Dimensions 1A201P... , 1C201P...

A(DN)		B(D)		~L34*	~L32	ØD1	ØD6	SW5	a
4/6	1/6"-1/4"	6	1/4"	46	36	10.5	15	14	9
5/8	6/8	8		53	39	14.5	20	19	9
6/9		10				16.5			
6/10	8/10	10	3/8"	58	42	16.5	20	22	10
8/12	9/12 10/12	12	1/2"	63	45	18.5	20	24	12
10/14	12/14	14		73	48	20.5	25	27	14
12/16	14/16	16		78	48	22.5	25	27	16
14/18	16/18	18		83	56	24.5	30	30	16
16/20	18/20	20	3/4"	87	56	26.5	30	32	18

* for connections in inch add 2 mm per side

Elbow bulkhead union for flexible tube on both ends (Series 1A)

1



Article-Nr	Connection A	Connection B	Material
1A201T03PP	DN1/8"/1/4"	DN1/8"/1/4"	PP
1A201T03PV	DN1/8"/1/4"	DN1/8"/1/4"	PVDF
1A201T05PP	DN1/6"/1/4"	DN1/6"/1/4"	PP
1A201T11PP	DN1/4"/3/8"	DN1/4"/3/8"	PP
1A201T11PV	DN1/4"/3/8"	DN1/4"/3/8"	PVDF
1A201T15PV	DN3/8"/1/2"	DN3/8"/1/2"	PVDF
1A201T20PV	DN5/8"/3/4"	DN5/8"/3/4"	PVDF
1A201T4005PP	DN04/06	DN1/6"/1/4"	PP
1A201T4042PP	DN04/06	DN05/08	PP
1A201T4043PP	DN04/06	DN06/08	PP
1A201T4043PV	DN04/06	DN06/08	PVDF
1A201T4044PP	DN04/06	DN06/10	PP
1A201T4045PP	DN04/06	DN08/10	PP
1A201T4045PV	DN04/06	DN08/10	PVDF
1A201T4048PV	DN04/06	DN10/12	PVDF
1A201T4049PV	DN04/06	DN10/14	PVDF
1A201T40PN	DN04/06	DN04/06	PP-NATUR
1A201T40PP	DN04/06	DN04/06	PP
1A201T40PPEL	DN04/06	DN04/06	PP-CONDUCTIVE
1A201T40PV	DN04/06	DN04/06	PVDF
1A201T42PP	DN05/08	DN05/08	PP
1A201T42PV	DN05/08	DN05/08	PVDF
1A201T4303PP	DN06/08	DN1/8"/1/4"	PP
1A201T4311PP	DN06/08	DN1/4"/3/8"	PP
1A201T4340PP	DN06/08	DN04/06	PP
1A201T4340PV	DN06/08	DN04/06	PVDF
1A201T4345PP	DN06/08	DN08/10	PP
1A201T4348PV	DN06/08	DN10/12	PVDF
1A201T4349PP	DN06/08	DN10/14	PP
1A201T43PN	DN06/08	DN06/08	PP-NATUR
1A201T43PP	DN06/08	DN06/08	PP
1A201T43PV	DN06/08	DN06/08	PVDF
1A201T4440PV	DN06/10	DN04/06	PVDF
1A201T4443PP	DN06/10	DN06/08	PP
1A201T44PP	DN06/10	DN06/10	PP
1A201T44PV	DN06/10	DN06/10	PVDF
1A201T4540PP	DN08/10	DN04/06	PP
1A201T4540PV	DN08/10	DN04/06	PVDF
1A201T4543PP	DN08/10	DN06/08	PP
1A201T4543PV	DN08/10	DN06/08	PVDF
1A201T4548PP	DN08/10	DN10/12	PP
1A201T4548PV	DN08/10	DN10/12	PVDF
1A201T4551PP	DN08/10	DN12/14	PP
1A201T4551PV	DN08/10	DN12/14	PVDF
1A201T4552PP	DN08/10	DN12/16	PP
1A201T45PN	DN08/10	DN08/10	PP-NATUR
1A201T45PP	DN08/10	DN08/10	PP
1A201T45PV	DN08/10	DN08/10	PVDF
1A201T4645PP	DN08/12	DN08/10	PP
1A201T46PP	DN08/12	DN08/12	PP
1A201T46PV	DN08/12	DN08/12	PVDF
1A201T4752PP	DN09/12	DN12/16	PP
1A201T47PP	DN09/12	DN09/12	PP
1A201T47PV	DN09/12	DN09/12	PVDF
1A201T4840PP	DN10/12	DN04/06	PP
1A201T4840PV	DN10/12	DN04/06	PVDF
1A201T4843PP	DN10/12	DN06/08	PP
1A201T48PN	DN10/12	DN10/12	PP-NATUR
1A201T48PP	DN10/12	DN10/12	PP
1A201T48PV	DN10/12	DN10/12	PVDF
1A201T49PN	DN10/14	DN10/14	PP-NATUR

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Elbow bulkhead union for flexible tube on both ends (Series 1A)

1

Article-Nr	Connection A	Connection B	Material
1A201T49PP	DN10/14	DN10/14	PP
1A201T49PV	DN10/14	DN10/14	PVDF
1A201T51PP	DN12/14	DN12/14	PP
1A201T51PV	DN12/14	DN12/14	PVDF
1A201T52PP	DN12/16	DN12/16	PP
1A201T52PV	DN12/16	DN12/16	PVDF
1A201T53PV	DN14/16	DN14/16	PVDF
1A201T56PP	DN16/20	DN16/20	PP
1A201T57PV	DN18/20	DN18/20	PVDF

Dimensions 1A201T... ,1C201T...

A-B(DN)		~L14	~L21	ØD3	ØD1	SW5	a		
4/6	1/6"- 1/4"	25	43	13	10.5	14	9		
5/8**	6/8	33	53	20	14.5	19	9		
6/9					16.5				
6/10	8/10	1/4"- 3/8"	36	58	20	16.5	10		
8/12	9/12	10/12	3/8"- 1/2"	43	67	20	18.5	24	12
10/14	12/14		48	75	25	20.5	27	14	
12/16	14/16		50	80	25	22.5	27	16	
14/18	16/18		55		30	24.5	30	16	
16/20	18/20	5/8"- 3/4"	57	93	30	26.5	32	18	

* for connections in inch add 2 mm per side

Elbow connector for flexible tube (Series 1A)
with male G-thread (long model)

1



Article-Nr	Connection A	Connection B	Material
1A210MG0514PP	DN1/6"/1/4"	G1/4"	PP
1A210MG2012PP	DN5/8"/3/4"	G1/2"	PP
1A210MG2012PV	DN5/8"/3/4"	G1/2"	PVDF
1A210MG4012PP	DN04/06	G1/2"	PP
1A210MG4012PV	DN04/06	G1/2"	PVDF
1A210MG4014PP	DN04/06	G1/4"	PP
1A210MG4014PPFP	DN04/06	G1/4"	PP/FPM
1A210MG4014PV	DN04/06	G1/4"	PVDF
1A210MG4018PP	DN04/06	G1/8"	PP
1A210MG4018PPFP	DN04/06	G1/8"	PP/FPM
1A210MG4018PV	DN04/06	G1/8"	PVDF
1A210MG4018PVFP	DN04/06	G1/8"	PVDF/FPM
1A210MG4038PP	DN04/06	G3/8"	PP
1A210MG4038PV	DN04/06	G3/8"	PVDF
1A210MG4312PP	DN06/08	G1/2"	PP
1A210MG4312PV	DN06/08	G1/2"	PVDF
1A210MG4314PP	DN06/08	G1/4"	PP
1A210MG4314PV	DN06/08	G1/4"	PVDF
1A210MG4318PP	DN06/08	G1/8"	PP
1A210MG4318PV	DN06/08	G1/8"	PVDF
1A210MG4338PP	DN06/08	G3/8"	PP
1A210MG4338PV	DN06/08	G3/8"	PVDF
1A210MG4412PP	DN06/10	G1/2"	PP
1A210MG4412PV	DN06/10	G1/2"	PVDF
1A210MG4414PAEP	DN06/10	G1/4"	PA/EPDM
1A210MG4414PP	DN06/10	G1/4"	PP
1A210MG4414PV	DN06/10	G1/4"	PVDF
1A210MG4418PP	DN06/10	G1/8"	PP
1A210MG4418PV	DN06/10	G1/8"	PVDF
1A210MG4438PP	DN06/10	G3/8"	PP
1A210MG4438PV	DN06/10	G3/8"	PVDF
1A210MG4512PP	DN08/10	G1/2"	PP
1A210MG4512PV	DN08/10	G1/2"	PVDF
1A210MG4514PN	DN08/10	G1/4"	PP-NATUR
1A210MG4514PP	DN08/10	G1/4"	PP
1A210MG4514PV	DN08/10	G1/4"	PVDF
1A210MG4518PAEP	DN08/10	G1/8"	PA/EPDM
1A210MG4518PP	DN08/10	G1/8"	PP
1A210MG4518PV	DN08/10	G1/8"	PVDF
1A210MG4538PP	DN08/10	G3/8"	PP
1A210MG4538PV	DN08/10	G3/8"	PVDF
1A210MG4612PP	DN08/12	G1/2"	PP
1A210MG4612PV	DN08/12	G1/2"	PVDF
1A210MG4614PP	DN08/12	G1/4"	PP
1A210MG4614PV	DN08/12	G1/4"	PVDF
1A210MG4712PP	DN09/12	G1/2"	PP
1A210MG4738PP	DN09/12	G3/8"	PP
1A210MG4812PN	DN10/12	G1/2"	PP-NATUR
1A210MG4812PP	DN10/12	G1/2"	PP
1A210MG4812PV	DN10/12	G1/2"	PVDF
1A210MG4814PP	DN10/12	G1/4"	PP
1A210MG4814PV	DN10/12	G1/4"	PVDF
1A210MG4838PP	DN10/12	G3/8"	PP
1A210MG4838PV	DN10/12	G3/8"	PVDF
1A210MG4914PP	DN10/14	G1/4"	PP
1A210MG4914PV	DN10/14	G1/4"	PVDF
1A210MG4938PP	DN10/14	G3/8"	PP
1A210MG4938PV	DN10/14	G3/8"	PVDF
1A210MG5112PP	DN12/14	G1/2"	PP
1A210MG5212PP	DN12/16	G1/2"	PP
1A210MG5212PV	DN12/16	G1/2"	PVDF
1A210MG5312PP	DN14/16	G1/2"	PP

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Elbow connector for flexible tube (Series 1A)
with male G-thread (long model)

1

Article-Nr	Connection A	Connection B	Material
1A210MG5712PV	DN18/20	G1/2"	PVDF

Dimensions 1A210MG... , 1C210MG...

	A(DN)		B(G)	l2	L37	~L17*	ØD4
4/6			1/8"	10	29	25	13
		1/6"/1/4"					
4/6			1/4"	15	29	26	15
		1/6"/1/4"					
4/6			3/8"	15	34	29	20
		1/6"/1/4"					
4/6			1/2"	16	42	32	25
		1/6"/1/4"					
5/8	6/8		1/8"	10	29	30	15
5/8	6/8		1/4"	15	29	30	15
5/8	6/8		3/8"	15	34	33	20
5/8	6/8		1/2"	16	42	36	25
6/9			1/8"	10			
6/9			1/4"	15			
6/9			3/8"	15			
6/9			1/2"	16			
6/10	8/10		1/8"	10	37	36	20
		1/4"/3/8"					
6/10	8/10		1/4"	15	37	36	20
		1/4"/3/8"					
6/10	8/10		3/8"	15	37	36	20
		1/4"/3/8"					
6/10	8/10		1/2"	16	42	39	25
		1/4"/3/8"					
8/12	9/12	10/12	1/4"	15	41	40	20
		3/8"/1/2"					
8/12	9/12	10/12	3/8"	15	41	40	20
		3/8"/1/2"					
8/12	9/12	10/12	1/2"	16	45	40	25
		3/8"/1/2"					
8/12	9/12	10/12	3/4"	20		43	30
		3/8"/1/2"					
10/14	12/14		1/4"	15	45	48	25
10/14	12/14		3/8"	15	45	48	25
10/14	12/14		1/2"	16	45	48	25
10/14	12/14		3/4"	20		50	30
12/16	14/16		3/8"	15		50	25
12/16	14/16		1/2"	16	45	50	25
12/16	14/16		3/4"	20		52	30
14/18	16/18		1/2"	16		55	30
14/18	16/18		3/4"	20		55	30
			1/4"	15		57	30
		5/8"/3/4"					
			3/8"	15		57	30
		5/8"/3/4"					
16/20	18/20		1/2"	16	45	57	30
		5/8"/3/4"					
16/20	18/20		3/4"	20		57	30
		5/8"/3/4"					

* for connections in inch add 2 mm per side

Elbow connector for flexible tube (Series 1A) with male NPT-thread (long model)

1



Article-Nr	Connection A	Connection B	Material
1A210MN1114PN	DN1/4"/3/8"	NPT1/4"	PP-NATUR
1A210MN4012PP	DN04/06	NPT1/2"	PP
1A210MN4014PP	DN04/06	NPT1/4"	PP
1A210MN4014PV	DN04/06	NPT1/4"	PVDF
1A210MN4018PP	DN04/06	NPT1/8"	PP
1A210MN4018PV	DN04/06	NPT1/8"	PVDF
1A210MN4038PP	DN04/06	NPT3/8"	PP
1A210MN4038PV	DN04/06	NPT3/8"	PVDF
1A210MN4218PP	DN05/08	NPT1/8"	PP
1A210MN4312PP	DN06/08	NPT1/2"	PP
1A210MN4312PV	DN06/08	NPT1/2"	PVDF
1A210MN4314PP	DN06/08	NPT1/4"	PP
1A210MN4314PV	DN06/08	NPT1/4"	PVDF
1A210MN4318PP	DN06/08	NPT1/8"	PP
1A210MN4318PV	DN06/08	NPT1/8"	PVDF
1A210MN4338PP	DN06/08	NPT3/8"	PP
1A210MN4338PV	DN06/08	NPT3/8"	PVDF
1A210MN4412PP	DN06/10	NPT1/2"	PP
1A210MN4414PP	DN06/10	NPT1/4"	PP
1A210MN4414PV	DN06/10	NPT1/4"	PVDF
1A210MN4418PP	DN06/10	NPT1/8"	PP
1A210MN4418PV	DN06/10	NPT1/8"	PVDF
1A210MN4438PP	DN06/10	NPT3/8"	PP
1A210MN4438PV	DN06/10	NPT3/8"	PVDF
1A210MN4512PP	DN08/10	NPT1/2"	PP
1A210MN4514PN	DN08/10	NPT1/4"	PP-NATUR
1A210MN4514PP	DN08/10	NPT1/4"	PP
1A210MN4514PV	DN08/10	NPT1/4"	PVDF
1A210MN4518PP	DN08/10	NPT1/8"	PP
1A210MN4518PV	DN08/10	NPT1/8"	PVDF
1A210MN4538PP	DN08/10	NPT3/8"	PP
1A210MN4538PV	DN08/10	NPT3/8"	PVDF
1A210MN4612PP	DN08/12	NPT1/2"	PP
1A210MN4612PV	DN08/12	NPT1/2"	PVDF
1A210MN4614PP	DN08/12	NPT1/4"	PP
1A210MN4614PV	DN08/12	NPT1/4"	PVDF
1A210MN4638PP	DN08/12	NPT3/8"	PP
1A210MN4638PV	DN08/12	NPT3/8"	PVDF
1A210MN4712PP	DN09/12	NPT1/2"	PP
1A210MN4812PP	DN10/12	NPT1/2"	PP
1A210MN4812PV	DN10/12	NPT1/2"	PVDF
1A210MN4814PP	DN10/12	NPT1/4"	PP
1A210MN4838PP	DN10/12	NPT3/8"	PP
1A210MN5214PP	DN12/16	NPT1/4"	PP
1A210MN5214PV	DN12/16	NPT1/4"	PVDF

Dimensions 1A210MN... , 1C210MN...

	A(DN)	B(NPT)	I3	L37	-L17*	ØD4
4/6		1/8"	11.6	29	25	13
		1/6"/1/4"				
4/6		1/4"	16.4	29	26	15
		1/6"/1/4"				
4/6		3/8"	17.4	34	29	20
		1/6"/1/4"				
4/6		1/2"	22.6	42	32	25
		1/6"/1/4"				
5/8	6/8	1/8"	11.6	29	30	15
5/8	6/8	1/4"	16.4	29	30	15
5/8	6/8	3/8"	17.4	34	33	20
5/8	6/8	1/2"	22.6	42	36	25
6/9		1/8"	11.6			
6/9		1/4"	16.4			

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Elbow connector for flexible tube (Series 1A)
with male NPT-thread (long model)

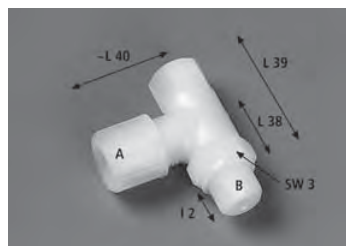
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A(DN)		B(NPT)	I3	L37	-L17*	ØD4
6/9		3/8"	17.4			
6/9		1/2"	22.6			
6/10	8/10	1/4"/3/8"	11.6	37	36	20
6/10	8/10	1/4"/3/8"	16.4	37	36	20
6/10	8/10	3/8"	17.4	37	36	20
6/10	8/10	1/2"	22.6	42	39	25
8/12	9/12 10/12	1/4"	16.4	41	40	20
8/12	9/12 10/12	3/8"	17.4	41	40	20
8/12	9/12 10/12	1/2"	22.6	45	40	25
8/12	9/12 10/12	3/4"	23.1		43	30
10/14	12/14	1/4"	16.4	45	48	25
10/14	12/14	3/8"	17.4	45	48	25
10/14	12/14	1/2"	22.6	45	48	25
10/14	12/14	3/4"	23.1		50	30
12/16	14/16	3/8"	17.4		50	25
12/16	14/16	1/2"	22.6	45	50	25
12/16	14/16	3/4"	23.1		52	30
14/18	16/18	1/2"	22.6		55	30
14/18	16/18	3/4"	23.1		55	30
		1/4"	16.4		57	30
		3/8"	17.4		57	30
16/20	18/20	1/2"	22.6	45	57	30
16/20	18/20	3/4"	23.1		57	30

* for connections in inch add 2 mm per side

Elbow swivel connector for flexible tube (Series 1A) and male G-thread

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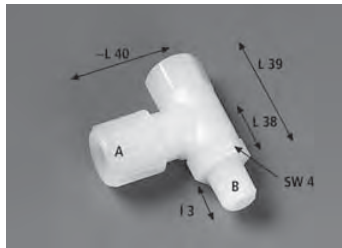
Article-Nr	Connection A	Connection B	Material
1A250MG1538PP	DN3/8"/1/2"	G3/8"	PP
1A250MG4012PP	DN04/06	G1/2"	PP
1A250MG4014PPEP	DN04/06	G1/4"	PP/EPDM
1A250MG4014PPFP	DN04/06	G1/4"	PP/FPM
1A250MG4014PVFP	DN04/06	G1/4"	PVDF/EPDM
1A250MG4014PVFP	DN04/06	G1/4"	PVDF/FPM
1A250MG4018PPFP	DN04/06	G1/8"	PP
1A250MG4018PVEP	DN04/06	G1/8"	PVDF/EPDM
1A250MG4018PVFP	DN04/06	G1/8"	PVDF/FPM
1A250MG4312PPFP	DN06/08	G1/2"	PP/FPM
1A250MG4314PPFP	DN06/08	G1/4"	PP
1A250MG4318PPEP	DN06/08	G1/8"	PP/EPDM
1A250MG4318PPFP	DN06/08	G1/8"	PP
1A250MG4512PPFP	DN08/10	G1/2"	PP/FPM
1A250MG4514PPFP	DN08/10	G1/4"	PP/FPM
1A250MG4638PPEP	DN08/12	G3/8"	PP/EPDM
1A250MG4638PVFP	DN08/12	G3/8"	PVDF/FPM
1A250MG4812PPFP	DN10/12	G1/2"	PP/FPM
1A250MG4814PVEP	DN10/12	G1/4"	PVDF/EPDM
1A250MG4814PVFP	DN10/12	G1/4"	PVDF/FPM
1A250MG4838PPFP	DN10/12	G3/8"	PP/FPM

Dimensions 1A250MG. . . , 1C250MG. . .

	A(DN)	B(G)	l2	L38	L39	~L40	SW3		
	4/6	1/8"	8	19.5	41.5	29	17		
	4/6	1/4"	12	20	42	29	17		
	4/6	3/8"	12	20.5	42.5	29	22		
	4/6	1/2"	14	23	45	29	27		
	5/8	6/8	1/8"	8	19.5	41.5	33	17	
	5/8	6/8	1/4"	12	20	42	33	17	
	5/8	6/8	3/8"	12	20.5	42.5	33	22	
	5/8	6/8	1/2"	14	23	45	33	27	
	6/10	8/10	1/4"	12	20	42	36	17	
	6/10	8/10	3/8"	12	20.5	42.5	36	22	
	6/10	8/10	1/2"	14	23	45	36	27	
	8/12	9/12	10/12	1/4"	12	20	42	40	17
	8/12	9/12	10/12	3/8"	12	20.5	42.5	40	22
	8/12	9/12	10/12	1/2"	14	23	45	40	27
	10/14	12/14		3/8"	12	20.5	45.5	48	24
	10/14	12/14		1/2"	14	23	48	48	27

Elbow swivel connector for flexible tube (Series 1A) and male NPT-thread

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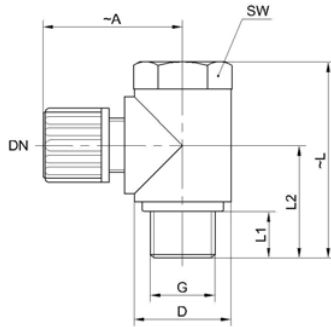
Article-Nr	Connection A	Connection B	Material
1A250MN4614PPFP	DN08/12	NPT1/4"	PP

Dimensions 1A250MN. . . , 1C250MN. . .

	A(DN)	B(NPT)	I3	L38	~L39	~L40	SW4
4/6		1/8"	10	18	40	29	17
4/6		1/4"	15	18	40	29	17
4/6		3/8"	15.3	18	40	29	19
4/6		1/2"	20	19	41	29	24
5/8	6/8	1/8"	10	18	40	33	17
5/8	6/8	1/4"	15	18	40	33	17
5/8	6/8	3/8"	15.3	18	40	33	19
5/8	6/8	1/2"	20	19	41	33	24
6/10	8/10	1/4"	15	18	40	36	17
6/10	8/10	3/8"	15.3	18	40	36	19
6/10	8/10	1/2"	20	19	41	36	24
8/12	9/12	10/12	1/4"	15	18	40	17
8/12	9/12	10/12	3/8"	15.3	18	40	19
8/12	9/12	10/12	1/2"	20	19	40	24
10/14	12/14		3/8"	15.3	21	46	19
10/14	12/14		1/2"	20	22	47	24

Elbow swivel connector (COMPACT) for flexible tube (Series 1A) and male G-thread

1



Article-Nr	Connection A	Connection B	Material
1A270MG4014PPEP	DN04/06	G1/4"	PP/EPDM
1A270MG4014PVFP	DN04/06	G1/4"	PVDF/FPM
1A270MG4018PVFP	DN04/06	G1/8"	PVDF/FPM
1A270MG4812PPFP	DN10/12	G1/2"	PP/FPM
1A270MG4812PVFP	DN10/12	G1/2"	PVDF/FPM

Technical data 1A270... , 1C270... , 1A370... , 1C370...

Pressure stage	PN 10
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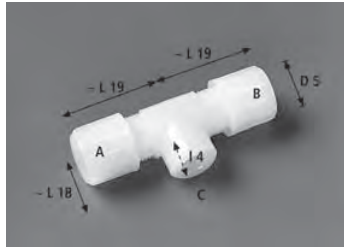
Materials 1A270... , 1C270... , 1A370... , 1C370...

Body	PP	PVDF
Banjo screw	PP	PVDF
O-ring*	FPM	FPM

* EPDM, FFKM on request

T-connector for flexible tube (Series 1A) with female G-thread

1



Article-Nr	Connection A	Connection B	Connection C	Material
1A300FG0514PP	DN1/6"/1/4"	DN1/6"/1/4"	G1/4"	PP
1A300FG0518PV	DN1/6"/1/4"	DN1/6"/1/4"	G1/8"	PVDF
1A300FG4012PP	DN04/06	DN04/06	G1/2"	PP
1A300FG4012PV	DN04/06	DN04/06	G1/2"	PVDF
1A300FG4014PP	DN04/06	DN04/06	G1/4"	PP
1A300FG4014PV	DN04/06	DN04/06	G1/4"	PVDF
1A300FG4018PP	DN04/06	DN04/06	G1/8"	PP
1A300FG4018PV	DN04/06	DN04/06	G1/8"	PVDF
1A300FG4038PP	DN04/06	DN04/06	G3/8"	PP
1A300FG4038PV	DN04/06	DN04/06	G3/8"	PVDF
1A300FG4212PP	DN05/08	DN05/08	G1/2"	PP
1A300FG4214PP	DN05/08	DN05/08	G1/4"	PP
1A300FG4238PP	DN05/08	DN05/08	G3/8"	PP
1A300FG424012PP	DN05/08	DN04/06	G1/2"	PP
1A300FG4312PP	DN06/08	DN06/08	G1/2"	PP
1A300FG4312PV	DN06/08	DN06/08	G1/2"	PVDF
1A300FG4314PN	DN06/08	DN06/08	G1/4"	PP-NATUR
1A300FG4314PP	DN06/08	DN06/08	G1/4"	PP
1A300FG4314PV	DN06/08	DN06/08	G1/4"	PVDF
1A300FG4318PP	DN06/08	DN06/08	G1/8"	PP
1A300FG4318PV	DN06/08	DN06/08	G1/8"	PVDF
1A300FG4338PP	DN06/08	DN06/08	G3/8"	PP
1A300FG4338PV	DN06/08	DN06/08	G3/8"	PVDF
1A300FG4412PP	DN06/10	DN06/10	G1/2"	PP
1A300FG4412PV	DN06/10	DN06/10	G1/2"	PVDF
1A300FG4414PP	DN06/10	DN06/10	G1/4"	PP
1A300FG4414PV	DN06/10	DN06/10	G1/4"	PVDF
1A300FG4418PP	DN06/10	DN06/10	G1/8"	PP
1A300FG4418PV	DN06/10	DN06/10	G1/8"	PVDF
1A300FG4438PP	DN06/10	DN06/10	G3/8"	PP
1A300FG4438PV	DN06/10	DN06/10	G3/8"	PVDF
1A300FG4512PP	DN08/10	DN08/10	G1/2"	PP
1A300FG4512PV	DN08/10	DN08/10	G1/2"	PVDF
1A300FG4514PP	DN08/10	DN08/10	G1/4"	PP
1A300FG4514PV	DN08/10	DN08/10	G1/4"	PVDF
1A300FG4518PP	DN08/10	DN08/10	G1/8"	PP
1A300FG4518PV	DN08/10	DN08/10	G1/8"	PVDF
1A300FG4538PP	DN08/10	DN08/10	G3/8"	PP
1A300FG4538PV	DN08/10	DN08/10	G3/8"	PVDF
1A300FG4612PP	DN08/12	DN08/12	G1/2"	PP
1A300FG4612PV	DN08/12	DN08/12	G1/2"	PVDF
1A300FG4614PP	DN08/12	DN08/12	G1/4"	PP
1A300FG4614PV	DN08/12	DN08/12	G1/4"	PVDF
1A300FG4618PP	DN08/12	DN08/12	G1/8"	PP
1A300FG4618PV	DN08/12	DN08/12	G1/8"	PVDF
1A300FG4638PP	DN08/12	DN08/12	G3/8"	PP
1A300FG4638PV	DN08/12	DN08/12	G3/8"	PVDF
1A300FG4712PV	DN09/12	DN09/12	G1/2"	PVDF
1A300FG4714PP	DN09/12	DN09/12	G1/4"	PP
1A300FG4738PP	DN09/12	DN09/12	G3/8"	PP
1A300FG4812PP	DN10/12	DN10/12	G1/2"	PP
1A300FG4812PV	DN10/12	DN10/12	G1/2"	PVDF
1A300FG4814PN	DN10/12	DN10/12	G1/4"	PP-NATUR
1A300FG4814PP	DN10/12	DN10/12	G1/4"	PP
1A300FG4814PV	DN10/12	DN10/12	G1/4"	PVDF
1A300FG4818PP	DN10/12	DN10/12	G1/8"	PP
1A300FG4818PV	DN10/12	DN10/12	G1/8"	PVDF
1A300FG4834PP	DN10/12	DN10/12	G3/4"	PP
1A300FG4838PN	DN10/12	DN10/12	G3/8"	PP-NATUR
1A300FG4838PP	DN10/12	DN10/12	G3/8"	PP
1A300FG4838PV	DN10/12	DN10/12	G3/8"	PVDF
1A300FG4912PP	DN10/14	DN10/14	G1/2"	PP

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T-connector for flexible tube (Series 1A) with female G-thread

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Article-Nr	Connection A	Connection B	Connection C	Material
1A300FG4912PV	DN10/14	DN10/14	G1/2"	PVDF
1A300FG4914PP	DN10/14	DN10/14	G1/4"	PP
1A300FG4914PV	DN10/14	DN10/14	G1/4"	PVDF
1A300FG4938PP	DN10/14	DN10/14	G3/8"	PP
1A300FG4938PV	DN10/14	DN10/14	G3/8"	PVDF
1A300FG5112PP	DN12/14	DN12/14	G1/2"	PP
1A300FG5112PV	DN12/14	DN12/14	G1/2"	PVDF
1A300FG5114PP	DN12/14	DN12/14	G1/4"	PP
1A300FG5114PV	DN12/14	DN12/14	G1/4"	PVDF
1A300FG5138PP	DN12/14	DN12/14	G3/8"	PP
1A300FG5138PV	DN12/14	DN12/14	G3/8"	PVDF
1A300FG5212PP	DN12/16	DN12/16	G1/2"	PP
1A300FG5212PV	DN12/16	DN12/16	G1/2"	PVDF
1A300FG5214PP	DN12/16	DN12/16	G1/4"	PP
1A300FG5214PV	DN12/16	DN12/16	G1/4"	PVDF
1A300FG5312PV	DN14/16	DN14/16	G1/2"	PVDF
1A300FG5314PP	DN14/16	DN14/16	G1/4"	PP
1A300FG5334PV	DN14/16	DN14/16	G3/4"	PVDF
1A300FG5338PP	DN14/16	DN14/16	G3/8"	PP
1A300FG5438PP	DN14/18	DN14/18	G3/8"	PP
1A300FG5612PP	DN16/20	DN16/20	G1/2"	PP
1A300FG5612PV	DN16/20	DN16/20	G1/2"	PVDF
1A300FG5614PP	DN16/20	DN16/20	G1/4"	PP
1A300FG5614PV	DN16/20	DN16/20	G1/4"	PVDF
1A300FG5638PP	DN16/20	DN16/20	G3/8"	PP
1A300FG5638PV	DN16/20	DN16/20	G3/8"	PVDF
1A300FG5712PV	DN18/20	DN18/20	G1/2"	PVDF

Dimensions 1A300FG . . . , 1C300FG . . .

A-B(DN)		C(G)	I4	L18	~L19*	ØD5
4/6		1/8"	10	17	26	15
	1/6"/1/4"					
4/6		1/4"	15	20	29	20
	1/6"/1/4"					
4/6		3/8"	15	20	32	25
	1/6"/1/4"					
4/6		1/2"	16	23	34	30
	1/6"/1/4"					
5/8	6/8	1/8"	10	17	30	15
5/8	6/8	1/4"	15	20	33	20
5/8	6/8	3/8"	15	20	36	25
5/8	6/8	1/2"	16	23	38	30
6/9		1/8"	10			
6/9		1/4"	15			
6/9		3/8"	15			
6/9		1/2"	16			
6/10	8/10	1/8"	10	17	36	20
		1/4"/3/8"				
6/10	8/10	1/4"	15	20	36	20
		1/4"/3/8"				
6/10	8/10	3/8"	15	20	39	25
		1/4"/3/8"				
6/10	8/10	1/2"	16	23	41	30
		1/4"/3/8"				
8/12	9/12 10/12	1/4"	15	20	40	20
		3/8"/1/2"				
8/12	9/12 10/12	3/8"	15	20	43	25
		3/8"/1/2"				
8/12	9/12 10/12	1/2"	16	23	45	30
		3/8"/1/2"				
8/12	9/12 10/12	3/4"	20	37	56	45
		3/8"/1/2"				
10/14	12/14	1/4"	15	23	48	25
10/14	12/14	3/8"	15	25	48	25

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T-connector for flexible tube (Series 1A) with female G-thread

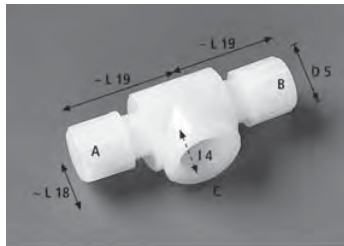
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A-B(DN)		C(G)	I4	L18	~L19*	ØD5
10/14	12/14	1/2"	16	25	50	30
10/14	12/14	3/4"	20	37	61	45
12/16	14/16	3/8"	15	25	52	30
12/16	14/16	1/2"	16	25	52	30
12/16	14/16	3/4"	20	37	63	45
14/18	16/18	1/2"	16	25	55	30
14/18	16/18	3/4"	20	37	66	45
		1/4"	15	25	57	30
		5/8"/3/4"				
		3/8"	15	25	57	30
		5/8"/3/4"				
16/20	18/20	1/2"	16	28	57	30
		5/8"/3/4"				
16/20	18/20	3/4"	20	37	68	45
		5/8"/3/4"				

* for connections in inch add 2 mm per side

T-connector for flexible tube (Series 1A) with female M-thread

1



Article-Nr	Connection A	Connection B	Connection C	Material
1A300FM4011PP	DN04/06	DN04/06	M10x1	PP
1A300FM4011PV	DN04/06	DN04/06	M10x1	PVDF
1A300FM4012PP	DN04/06	DN04/06	M10x1,5	PP
1A300FM4012PV	DN04/06	DN04/06	M10x1,5	PVDF
1A300FM4014PP	DN04/06	DN04/06	M12x1	PP
1A300FM4014PV	DN04/06	DN04/06	M12x1	PVDF
1A300FM4015PP	DN04/06	DN04/06	M12x1,5	PP
1A300FM4015PV	DN04/06	DN04/06	M12x1,5	PVDF
1A300FM4017PP	DN04/06	DN04/06	M14x1,5	PP
1A300FM4017PV	DN04/06	DN04/06	M14x1,5	PVDF
1A300FM4019PP	DN04/06	DN04/06	M16x1,5	PP
1A300FM4019PV	DN04/06	DN04/06	M16x1,5	PVDF
1A300FM4021PV	DN04/06	DN04/06	M18x1,5	PVDF
1A300FM4023PV	DN04/06	DN04/06	M20x1,5	PVDF
1A300FM4315PP	DN06/08	DN06/08	M12x1,5	PP
1A300FM4315PV	DN06/08	DN06/08	M12x1,5	PVDF
1A300FM4317PP	DN06/08	DN06/08	M14x1,5	PP
1A300FM4317PV	DN06/08	DN06/08	M14x1,5	PVDF
1A300FM4319PP	DN06/08	DN06/08	M16x1,5	PP
1A300FM4319PV	DN06/08	DN06/08	M16x1,5	PVDF
1A300FM4321PP	DN06/08	DN06/08	M18x1,5	PP
1A300FM4321PV	DN06/08	DN06/08	M18x1,5	PVDF
1A300FM4415PP	DN06/10	DN06/10	M12x1,5	PP
1A300FM4415PV	DN06/10	DN06/10	M12x1,5	PVDF
1A300FM4417PP	DN06/10	DN06/10	M14x1,5	PP
1A300FM4417PV	DN06/10	DN06/10	M14x1,5	PVDF
1A300FM4419PP	DN06/10	DN06/10	M16x1,5	PP
1A300FM4419PV	DN06/10	DN06/10	M16x1,5	PVDF
1A300FM4421PP	DN06/10	DN06/10	M18x1,5	PP
1A300FM4421PV	DN06/10	DN06/10	M18x1,5	PVDF
1A300FM4515PP	DN08/10	DN08/10	M12x1,5	PP
1A300FM4515PV	DN08/10	DN08/10	M12x1,5	PVDF
1A300FM4517PP	DN08/10	DN08/10	M14x1,5	PP
1A300FM4517PV	DN08/10	DN08/10	M14x1,5	PVDF
1A300FM4519PP	DN08/10	DN08/10	M16x1,5	PP
1A300FM4519PV	DN08/10	DN08/10	M16x1,5	PVDF
1A300FM4521PP	DN08/10	DN08/10	M18x1,5	PP
1A300FM4521PV	DN08/10	DN08/10	M18x1,5	PVDF
1A300FM4615PP	DN08/12	DN08/12	M12x1,5	PP
1A300FM4615PV	DN08/12	DN08/12	M12x1,5	PVDF
1A300FM4617PP	DN08/12	DN08/12	M14x1,5	PP
1A300FM4617PV	DN08/12	DN08/12	M14x1,5	PVDF
1A300FM4619PP	DN08/12	DN08/12	M16x1,5	PP
1A300FM4619PV	DN08/12	DN08/12	M16x1,5	PVDF
1A300FM4621PP	DN08/12	DN08/12	M18x1,5	PP
1A300FM4621PV	DN08/12	DN08/12	M18x1,5	PVDF
1A300FM4815PP	DN10/12	DN10/12	M12x1,5	PP
1A300FM4815PV	DN10/12	DN10/12	M12x1,5	PVDF
1A300FM4817PP	DN10/12	DN10/12	M14x1,5	PP
1A300FM4817PV	DN10/12	DN10/12	M14x1,5	PVDF

Dimensions 1A300FM... ,1C300FM...

A-B(DN)	C(M)	l4	L18	~L19	ØD5	
4/6	10x1	10	17	26	15	
4/6	10x1,5	10	17	26	15	
4/6	12x1,5	15	20	29	20	
4/6	14x1,5	15	20	29	20	
4/6	16x1,5	15.5	20	32	25	
4/6	18x1,5	16.5	20	32	25	
5/8	6/8	10x1	10	17	30	15
5/8	6/8	10x1,5	10	17	30	15

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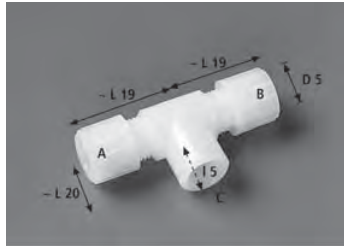
T-connector for flexible tube (Series 1A) with female M-thread

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	A-B(DN)		C(M)	I4	L18	~L19	ØD5
5/8	6/8		12x1,5	15	20	33	20
5/8	6/8		14x1,5	15	20	33	20
5/8	6/8		16x1,5	15.5	20	36	25
5/8	6/8		18x1,5	16.5	20	36	25
6/9			10x1	10			
6/9			10x1,5	10			
6/9			12x1,5	15			
6/9			14x1,5	15			
6/9			16x1,5	15.5			
6/9			18x1,5	16.5			
6/10	8/10		10x1	10	17	36	20
6/10	8/10		10x1,5	10	17	36	20
6/10	8/10		12x1,5	15	20	36	20
6/10	8/10		14x1,5	15	20	36	20
6/10	8/10		16x1,5	15.5	20	39	25
6/10	8/10		18x1,5	16.5	20	39	25
8/12	9/12	10/12	12x1,5	15	20	40	20
8/12	9/12	10/12	14x1,5	15	20	40	20
8/12	9/12	10/12	16x1,5	15.5	20	43	25
8/12	9/12	10/12	18x1,5	16.5	20	43	25
10/14	12/14		12x1,5	15	23	48	25
10/14	12/14		14x1,5	15	23	48	25
10/14	12/14		16x1,5	15.5	25	48	25
10/14	12/14		18x1,5	16.5	25	48	25

T-connector for flexible tube (Series 1A) with female NPT-thread

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Article-Nr	Connection A	Connection B	Connection C	Material
1A300FN0514PV	DN1/6"/1/4"	DN1/6"/1/4"	NPT1/4"	PVDF
1A300FN1114PP	DN1/4"/3/8"	DN1/4"/3/8"	NPT1/4"	PP
1A300FN1138PV	DN1/4"/3/8"	DN1/4"/3/8"	NPT3/8"	PVDF
1A300FN4012PV	DN04/06	DN04/06	NPT1/2"	PVDF
1A300FN4014PP	DN04/06	DN04/06	NPT1/4"	PP
1A300FN4014PV	DN04/06	DN04/06	NPT1/4"	PVDF
1A300FN4018PP	DN04/06	DN04/06	NPT1/8"	PP
1A300FN4018PV	DN04/06	DN04/06	NPT1/8"	PVDF
1A300FN4038PP	DN04/06	DN04/06	NPT3/8"	PP
1A300FN4314PN	DN06/08	DN06/08	NPT1/4"	PP-NATUR
1A300FN4314PP	DN06/08	DN06/08	NPT1/4"	PP
1A300FN4514PP	DN08/10	DN08/10	NPT1/4"	PP
1A300FN4514PV	DN08/10	DN08/10	NPT1/4"	PVDF
1A300FN4714PV	DN09/12	DN09/12	NPT1/4"	PVDF
1A300FN4814PP	DN10/12	DN10/12	NPT1/4"	PP
1A300FN4814PV	DN10/12	DN10/12	NPT1/4"	PVDF
1A300FN4914PP	DN10/14	DN10/14	NPT1/4"	PP
1A300FN5712PV	DN18/20	DN18/20	NPT1/2"	PVDF

Dimensions 1A300FN...1C300FN...

A-B(DN)			C(NPT)	I5	~L19*	L20	ØD5
4/6			1/8"	11.6	26	20	15
			1/6"/1/4"				
4/6			1/4"	16.4	29	24	20
			1/6"/1/4"				
4/6			3/8"	17.4	32	26	25
			1/6"/1/4"				
4/6			1/2"	22.6	34	28	30
			1/6"/1/4"				
5/8	6/8		1/8"	11.6	30	20	15
5/8	6/8		1/4"	16.4	33	24	20
5/8	6/8		3/8"	17.4	36	26	25
5/8	6/8		1/2"	22.6	38	28	30
6/9			1/8"	11.6			
6/9			1/4"	16.4			
6/9			3/8"	17.4			
6/9			1/2"	22.6			
6/10	8/10		1/8"	11.6	36	20	20
			1/4"/3/8"				
6/10	8/10		1/4"	16.4	36	24	20
			1/4"/3/8"				
6/10	8/10		3/8"	17.4	39	26	25
			1/4"/3/8"				
6/10	8/10		1/2"	22.6	41	32	30
			1/4"/3/8"				
8/12	9/12	10/12	1/4"	16.4	40	24	20
			3/8"/1/2"				
8/12	9/12	10/12	3/8"	17.4	43	26	25
			3/8"/1/2"				
8/12	9/12	10/12	1/2"	22.6	45	32	30
			3/8"/1/2"				
8/12	9/12	10/12	3/4"	23.1	53		45
			3/8"/1/2"				
10/14	12/14		1/4"	16.4	48	26	25
10/14	12/14		3/8"	17.4	48	26	25
10/14	12/14		1/2"	22.6	50	32	30
10/14	12/14		3/4"	23.1	58		45
12/16	14/16		3/8"	17.4	50	28	25
12/16	14/16		1/2"	22.6	52	34	30
12/16	14/16		3/4"	23.1	60		45
14/18	16/18		1/2"	22.6	55		30
14/18	16/18		3/4"	23.1	63		45
			1/4"	16.4	57		30
			5/8"/3/4"				

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T-connector for flexible tube (Series 1A) with female NPT-thread

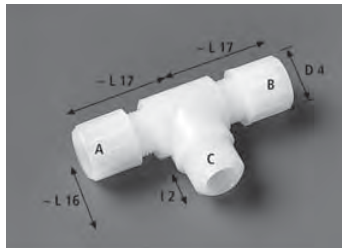
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A-B(DN)		C(NPT)	I5	~L19*	L20	ØD5
		5/8"/3/4"	3/8"	17.4	57	30
16/20	18/20	5/8"/3/4"	1/2"	22.6	57	30
16/20	18/20	5/8"/3/4"	3/4"	23.1	65	45

* for connections in inch add 2 mm per side

T-connector for flexible tube (Series 1A) with male G-thread

1



Article-Nr	Connection A	Connection B	Connection C	Material
1A300MG0314PV	DN1/8"/1/4"	DN1/8"/1/4"	G1/4"	PVDF
1A300MG0514PV	DN1/6"/1/4"	DN1/6"/1/4"	G1/4"	PVDF
1A300MG0518PP	DN1/6"/1/4"	DN1/6"/1/4"	G1/8"	PP
1A300MG0518PV	DN1/6"/1/4"	DN1/6"/1/4"	G1/8"	PVDF
1A300MG1112PV	DN1/4"/3/8"	DN1/4"/3/8"	G1/2"	PVDF
1A300MG1514PAEP	DN3/8"/1/2"	DN3/8"/1/2"	G1/4"	PA/EPDM
1A300MG1514PV	DN3/8"/1/2"	DN3/8"/1/2"	G1/4"	PVDF
1A300MG4012PN	DN04/06DN04/06	G1/2"		PP-NATUR
1A300MG4012PP	DN04/06DN04/06	G1/2"		PP
1A300MG4012PV	DN04/06DN04/06	G1/2"		PVDF
1A300MG4014PAEP	DN04/06DN04/06	G1/4"		PA/EPDM
1A300MG4014PN	DN04/06DN04/06	G1/4"		PP-NATUR
1A300MG4014PNFP	DN04/06DN04/06	G1/4"		PP-NATUR/FPM
1A300MG4014PP	DN04/06DN04/06	G1/4"		PP
1A300MG4014PPFP	DN04/06DN04/06	G1/4"		PP/FPM
1A300MG4014PV	DN04/06DN04/06	G1/4"		PVDF
1A300MG4018PAEP	DN04/06DN04/06	G1/8"		PA/EPDM
1A300MG4018PAFP	DN04/06DN04/06	G1/8"		PA/FPM
1A300MG4018PN	DN04/06DN04/06	G1/8"		PP-NATUR
1A300MG4018PP	DN04/06DN04/06	G1/8"		PP
1A300MG4018PPFP	DN04/06DN04/06	G1/8"		PP/FPM
1A300MG4018PV	DN04/06DN04/06	G1/8"		PVDF
1A300MG4038PN	DN04/06DN04/06	G3/8"		PP-NATUR
1A300MG4038PP	DN04/06DN04/06	G3/8"		PP
1A300MG4038PV	DN04/06DN04/06	G3/8"		PVDF
1A300MG4212PP	DN05/08	DN05/08	G1/2"	PP
1A300MG4214PP	DN05/08	DN05/08	G1/4"	PP
1A300MG4214PV	DN05/08	DN05/08	G1/4"	PVDF
1A300MG4238PP	DN05/08	DN05/08	G3/8"	PP
1A300MG4312PN	DN06/08	DN06/08	G1/2"	PP-NATUR
1A300MG4312PP	DN06/08	DN06/08	G1/2"	PP
1A300MG4312PV	DN06/08	DN06/08	G1/2"	PVDF
1A300MG4314PN	DN06/08	DN06/08	G1/4"	PP-NATUR
1A300MG4314PP	DN06/08	DN06/08	G1/4"	PP
1A300MG4314PPEP	DN06/08	DN06/08	G1/4"	PP/EPDM
1A300MG4314PV	DN06/08	DN06/08	G1/4"	PVDF
1A300MG4318PN	DN06/08	DN06/08	G1/8"	PP-NATUR
1A300MG4318PP	DN06/08	DN06/08	G1/8"	PP
1A300MG4318PPFP	DN06/08	DN06/08	G1/8"	PP/FPM
1A300MG4318PV	DN06/08	DN06/08	G1/8"	PVDF
1A300MG4334PP	DN06/08	DN06/08	G3/4"	PP
1A300MG4338PN	DN06/08	DN06/08	G3/8"	PP-NATUR
1A300MG4338PP	DN06/08	DN06/08	G3/8"	PP
1A300MG4338PPFP	DN06/08	DN06/08	G3/8"	PP/FPM
1A300MG4338PV	DN06/08	DN06/08	G3/8"	PVDF
1A300MG434018PV	DN06/08	DN04/06	G1/8"	PVDF
1A300MG4412PP	DN06/10	DN06/10	G1/2"	PP
1A300MG4412PV	DN06/10	DN06/10	G1/2"	PVDF
1A300MG4414PP	DN06/10	DN06/10	G1/4"	PP
1A300MG4414PV	DN06/10	DN06/10	G1/4"	PVDF
1A300MG4418PP	DN06/10	DN06/10	G1/8"	PP
1A300MG4418PV	DN06/10	DN06/10	G1/8"	PVDF
1A300MG4438PP	DN06/10	DN06/10	G3/8"	PP
1A300MG4438PV	DN06/10	DN06/10	G3/8"	PVDF
1A300MG4512PN	DN08/10	DN08/10	G1/2"	PP-NATUR
1A300MG4512PP	DN08/10	DN08/10	G1/2"	PP
1A300MG4512PPEP	DN08/10	DN08/10	G1/2"	PP/EPDM
1A300MG4512PV	DN08/10	DN08/10	G1/2"	PVDF
1A300MG4514PN	DN08/10	DN08/10	G1/4"	PP-NATUR
1A300MG4514PP	DN08/10	DN08/10	G1/4"	PP
1A300MG4514PPFP	DN08/10	DN08/10	G1/4"	PP/FPM
1A300MG4514PV	DN08/10	DN08/10	G1/4"	PVDF

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T-connector for flexible tube (Series 1A) with male G-thread

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Article-Nr	Connection A	Connection B	Connection C	Material
1A300MG4514PVFP	DN08/10	DN08/10	G1/4"	PVDF/FPM
1A300MG4518PAEP	DN08/10	DN08/10	G1/8"	PA/EPDM
1A300MG4518PN	DN08/10	DN08/10	G1/8"	PP-NATUR
1A300MG4518PP	DN08/10	DN08/10	G1/8"	PP
1A300MG4518PV	DN08/10	DN08/10	G1/8"	PVDF
1A300MG4538PN	DN08/10	DN08/10	G3/8"	PP-NATUR
1A300MG4538PP	DN08/10	DN08/10	G3/8"	PP
1A300MG4538PV	DN08/10	DN08/10	G3/8"	PVDF
1A300MG4612PP	DN08/12	DN08/12	G1/2"	PP
1A300MG4612PV	DN08/12	DN08/12	G1/2"	PVDF
1A300MG4614PN	DN08/12	DN08/12	G1/4"	PP-NATUR
1A300MG4614PP	DN08/12	DN08/12	G1/4"	PP
1A300MG4614PV	DN08/12	DN08/12	G1/4"	PVDF
1A300MG4618PP	DN08/12	DN08/12	G1/8"	PP
1A300MG4618PV	DN08/12	DN08/12	G1/8"	PVDF
1A300MG4638PP	DN08/12	DN08/12	G3/8"	PP
1A300MG4638PV	DN08/12	DN08/12	G3/8"	PVDF
1A300MG4712PN	DN09/12	DN09/12	G1/2"	PP-NATUR
1A300MG4712PP	DN09/12	DN09/12	G1/2"	PP
1A300MG4712PV	DN09/12	DN09/12	G1/2"	PVDF
1A300MG4714PN	DN09/12	DN09/12	G1/4"	PP-NATUR
1A300MG4714PP	DN09/12	DN09/12	G1/4"	PP
1A300MG4714PV	DN09/12	DN09/12	G1/4"	PVDF
1A300MG4718PP	DN09/12	DN09/12	G1/8"	PP
1A300MG4738PN	DN09/12	DN09/12	G3/8"	PP-NATUR
1A300MG4812PN	DN10/12	DN10/12	G1/2"	PP-NATUR
1A300MG4812PP	DN10/12	DN10/12	G1/2"	PP
1A300MG4812PV	DN10/12	DN10/12	G1/2"	PVDF
1A300MG4814PN	DN10/12	DN10/12	G1/4"	PP-NATUR
1A300MG4814PP	DN10/12	DN10/12	G1/4"	PP
1A300MG4814PV	DN10/12	DN10/12	G1/4"	PVDF
1A300MG4818PN	DN10/12	DN10/12	G1/8"	PP-NATUR
1A300MG4818PP	DN10/12	DN10/12	G1/8"	PP
1A300MG4818PV	DN10/12	DN10/12	G1/8"	PVDF
1A300MG4838PN	DN10/12	DN10/12	G3/8"	PP-NATUR
1A300MG4838PP	DN10/12	DN10/12	G3/8"	PP
1A300MG4838PV	DN10/12	DN10/12	G3/8"	PVDF
1A300MG4912PP	DN10/14, DN10/14	G1/2"		PP
1A300MG4912PV	DN10/14, DN10/14	G1/2"		PVDF
1A300MG4914PP	DN10/14	DN10/14	G1/4"	PP
1A300MG4914PV	DN10/14	DN10/14	G1/4"	PVDF
1A300MG4934PV	DN10/14	DN10/14	G3/4"	PVDF
1A300MG4938PP	DN10/14	DN10/14	G3/8"	PP
1A300MG4938PV	DN10/14	DN10/14	G3/8"	PVDF
1A300MG5112PP	DN12/14	DN12/14	G1/2"	PP
1A300MG5112PV	DN12/14	DN12/14	G1/2"	PVDF
1A300MG5114PP	DN12/14	DN12/14	G1/4"	PP
1A300MG5114PV	DN12/14	DN12/14	G1/4"	PVDF
1A300MG5138PP	DN12/14	DN12/14	G3/8"	PP
1A300MG5138PV	DN12/14	DN12/14	G3/8"	PVDF
1A300MG5212PP	DN12/16	DN12/16	G1/2"	PP
1A300MG5212PV	DN12/16	DN12/16	G1/2"	PVDF
1A300MG5214PP	DN12/16	DN12/16	G1/4"	PP
1A300MG5214PV	DN12/16	DN12/16	G1/4"	PVDF
1A300MG5238PP	DN12/16	DN12/16	G3/8"	PP
1A300MG5238PV	DN12/16	DN12/16	G3/8"	PVDF
1A300MG5312PN	DN14/16	DN14/16	G1/2"	PP-NATUR
1A300MG5312PP	DN14/16	DN14/16	G1/2"	PP
1A300MG5312PV	DN14/16	DN14/16	G1/2"	PVDF
1A300MG5314PP	DN14/16	DN14/16	G1/4"	PP
1A300MG5314PV	DN14/16	DN14/16	G1/4"	PVDF
1A300MG5338PP	DN14/16	DN14/16	G3/8"	PP

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T-connector for flexible tube (Series 1A) with male G-thread

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Article-Nr	Connection A	Connection B	Connection C	Material
1A300MG5338PV	DN14/16	DN14/16	G3/8"	PVDF
1A300MG5512PV	DN16/18	DN16/18	G1/2"	PVDF
1A300MG5538PV	DN16/18	DN16/18	G3/8"	PVDF
1A300MG5612PP	DN16/20	DN16/20	G1/2"	PP
1A300MG5612PV	DN16/20	DN16/20	G1/2"	PVDF
1A300MG5614PP	DN16/20	DN16/20	G1/4"	PP
1A300MG5614PV	DN16/20	DN16/20	G1/4"	PVDF
1A300MG5712PP	DN18/20	DN18/20	G1/2"	PP
1A300MG5712PV	DN18/20	DN18/20	G1/2"	PVDF

Dimensions 1A300MG... , 1C300MG...

A-B(DN)			C(G)	I2	L16	~L17*	ØD4
4/6		1/6"/1/4"	1/8"	8	20	26	12
4/6		1/6"/1/4"	1/4"	12	27	27	15
4/6		1/6"/1/4"	3/8"	12	27	29	20
4/6		1/6"/1/4"	1/2"	14	34	32	25
5/8	6/8		1/8"	8	20	31	15
5/8	6/8		1/4"	12	27	31	15
5/8	6/8		3/8"	12	27	33	20
5/8	6/8		1/2"	14	34	36	25
6/9			1/8"	8			
6/9			1/4"	12			
6/9			3/8"	12			
6/9			1/2"	14			
6/10	8/10	1/4"/3/8"	1/8"	8	26	36	20
6/10	8/10	1/4"/3/8"	1/4"	12	30	36	20
6/10	8/10	1/4"/3/8"	3/8"	12	30	36	20
6/10	8/10	1/4"/3/8"	1/2"	14	34	39	25
8/12	9/12 10/12	3/8"/1/2"	1/8"	8	28	40	20
8/12	9/12 10/12	3/8"/1/2"	1/4"	12	32	40	20
8/12	9/12 10/12	3/8"/1/2"	3/8"	12	32	40	20
8/12	9/12 10/12	3/8"/1/2"	1/2"	14	34	43	25
8/12	9/12 10/12	3/8"/1/2"	3/4"	16	41	45	30
10/14	12/14		1/8"	8	30	48	25
10/14	12/14		1/4"	12	34	48	25
10/14	12/14		3/8"	12	34	48	25
10/14	12/14		1/2"	14	36	48	25
10/14	12/14		3/4"	16	41	50	30
12/16	14/16		1/4"	12	35	50	25
12/16	14/16		3/8"	12	35	50	25
12/16	14/16		1/2"	14	37	50	25
12/16	14/16		3/4"	16	41	52	30
14/18	16/18		1/4"	12	37	55	30
14/18	16/18		3/8"	12	37	55	30
14/18	16/18		1/2"	14	39	55	30
14/18	16/18		3/4"	16	41	55	30
16/20	18/20	5/8"/3/4"	1/4"	12	37	57	30
16/20	18/20	5/8"/3/4"	3/8"	12	37	57	30
16/20	18/20	5/8"/3/4"	1/2"	14	39	57	30

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T-connector for flexible tube (Series 1A) with male G-thread

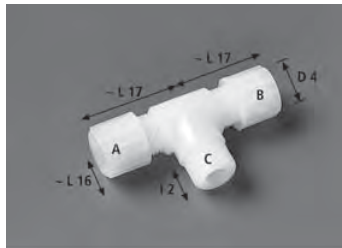
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	A-B(DN)	C(G)	I2	L16	~L17*	ØD4	
16/20	18/20	5/8"3/4"	3/4"	16	41	57	30

* for connections in inch add 2 mm per side

T-connector for flexible tube (Series 1A) with male M-thread

1



Article-Nr	Connection A	Connection B	Connection C	Material
1A300MM4006PP	DN04/06	DN04/06	M06	PP
1A300MM4011PP	DN04/06	DN04/06	M10x1	PP
1A300MM4011PV	DN04/06	DN04/06	M10x1	PVDF
1A300MM4012PP	DN04/06	DN04/06	M10x1,5	PP
1A300MM4012PV	DN04/06	DN04/06	M10x1,5	PVDF
1A300MM4014PP	DN04/06	DN04/06	M12x1	PP
1A300MM4014PV	DN04/06	DN04/06	M12x1	PVDF
1A300MM4015PP	DN04/06	DN04/06	M12x1,5	PP
1A300MM4015PV	DN04/06	DN04/06	M12x1,5	PVDF
1A300MM4017PP	DN04/06	DN04/06	M14x1,5	PP
1A300MM4017PV	DN04/06	DN04/06	M14x1,5	PVDF
1A300MM4019PP	DN04/06	DN04/06	M16x1,5	PP
1A300MM4019PV	DN04/06	DN04/06	M16x1,5	PVDF
1A300MM4021PP	DN04/06	DN04/06	M18x1,5	PP
1A300MM4021PV	DN04/06	DN04/06	M18x1,5	PVDF
1A300MM4311PP	DN06/08	DN06/08	M10x1	PP
1A300MM4311PV	DN06/08	DN06/08	M10x1	PVDF
1A300MM4315PP	DN06/08	DN06/08	M12x1,5	PP
1A300MM4315PV	DN06/08	DN06/08	M12x1,5	PVDF
1A300MM4317PP	DN06/08	DN06/08	M14x1,5	PP
1A300MM4317PV	DN06/08	DN06/08	M14x1,5	PVDF
1A300MM4319PP	DN06/08	DN06/08	M16x1,5	PP
1A300MM4319PV	DN06/08	DN06/08	M16x1,5	PVDF
1A300MM4321PP	DN06/08	DN06/08	M18x1,5	PP
1A300MM4321PV	DN06/08	DN06/08	M18x1,5	PVDF
1A300MM4415PP	DN06/10	DN06/10	M12x1,5	PP
1A300MM4415PV	DN06/10	DN06/10	M12x1,5	PVDF
1A300MM4417PP	DN06/10	DN06/10	M14x1,5	PP
1A300MM4417PV	DN06/10	DN06/10	M14x1,5	PVDF
1A300MM4419PP	DN06/10	DN06/10	M16x1,5	PP
1A300MM4419PV	DN06/10	DN06/10	M16x1,5	PVDF
1A300MM4421PP	DN06/10	DN06/10	M18x1,5	PP
1A300MM4421PV	DN06/10	DN06/10	M18x1,5	PVDF
1A300MM4515PP	DN08/10	DN08/10	M12x1,5	PP
1A300MM4515PV	DN08/10	DN08/10	M12x1,5	PVDF
1A300MM4517PP	DN08/10	DN08/10	M14x1,5	PP
1A300MM4517PV	DN08/10	DN08/10	M14x1,5	PVDF
1A300MM4519PP	DN08/10	DN08/10	M16x1,5	PP
1A300MM4519PV	DN08/10	DN08/10	M16x1,5	PVDF
1A300MM4521PP	DN08/10	DN08/10	M18x1,5	PP
1A300MM4521PV	DN08/10	DN08/10	M18x1,5	PVDF
1A300MM4615PP	DN08/12	DN08/12	M12x1,5	PP
1A300MM4615PV	DN08/12	DN08/12	M12x1,5	PVDF
1A300MM4617PP	DN08/12	DN08/12	M14x1,5	PP
1A300MM4617PV	DN08/12	DN08/12	M14x1,5	PVDF
1A300MM4619PP	DN08/12	DN08/12	M16x1,5	PP
1A300MM4619PV	DN08/12	DN08/12	M16x1,5	PVDF
1A300MM4621PP	DN08/12	DN08/12	M18x1,5	PP
1A300MM4621PV	DN08/12	DN08/12	M18x1,5	PVDF
1A300MM4812PP	DN10/12	DN10/12	M10x1,5	PP
1A300MM4812PV	DN10/12	DN10/12	M10x1,5	PVDF
1A300MM4814PP	DN10/12	DN10/12	M12x1	PP
1A300MM4814PV	DN10/12	DN10/12	M12x1	PVDF
1A300MM4815PP	DN10/12	DN10/12	M12x1,5	PP
1A300MM4815PV	DN10/12	DN10/12	M12x1,5	PVDF
1A300MM4817PP	DN10/12	DN10/12	M14x1,5	PP
1A300MM4817PV	DN10/12	DN10/12	M14x1,5	PVDF
1A300MM4819PP	DN10/12	DN10/12	M16x1,5	PP
1A300MM4819PV	DN10/12	DN10/12	M16x1,5	PVDF
1A300MM4821PP	DN10/12	DN10/12	M18x1,5	PP
1A300MM4821PV	DN10/12	DN10/12	M18x1,5	PVDF
1A300MM4915PP	DN10/14	DN10/14	M12x1,5	PP

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T-connector for flexible tube (Series 1A) with male M-thread

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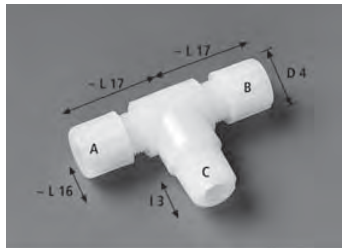
Article-Nr	Connection A	Connection B	Connection C	Material
1A300MM4915PV	DN10/14	DN10/14	M12x1,5	PVDF
1A300MM4917PP	DN10/14	DN10/14	M14x1,5	PP
1A300MM4917PV	DN10/14	DN10/14	M14x1,5	PVDF
1A300MM4919PP	DN10/14	DN10/14	M16x1,5	PP
1A300MM4919PV	DN10/14	DN10/14	M16x1,5	PVDF
1A300MM4921PP	DN10/14	DN10/14	M18x1,5	PP
1A300MM4921PV	DN10/14	DN10/14	M18x1,5	PVDF
1A300MM5117PP	DN12/14	DN12/14	M14x1,5	PP
1A300MM5117PV	DN12/14	DN12/14	M14x1,5	PVDF
1A300MM5119PP	DN12/14	DN12/14	M16x1,5	PP
1A300MM5119PV	DN12/14	DN12/14	M16x1,5	PVDF
1A300MM5121PP	DN12/14	DN12/14	M18x1,5	PP
1A300MM5121PV	DN12/14	DN12/14	M18x1,5	PVDF

Dimensions 1A300MM. . .,1C300MM. . .

	A-B(DN)	C(M)	l2	L16	~L17	ØD4		
	4/6	10x1	8	12	26	12		
	4/6	10x1,5	8	12	26	12		
	4/6	12x1,5	12	15	27	15		
	4/6	14x1,5	12	15	27	15		
	4/6	16x1,5	12	15	29	20		
	4/6	18x1,5	12	15	29	20		
	5/8	6/8	10x1	8	15	31	15	
	5/8	6/8	10x1,5	8	15	31	15	
	5/8	6/8	12x1,5	12	15	31	15	
	5/8	6/8	14x1,5	12	15	31	15	
	5/8	6/8	16x1,5	12	15	33	20	
	5/8	6/8	18x1,5	12	15	33	20	
	6/9		10x1	8				
	6/9		10x1,5	8				
	6/9		12x1,5	12				
	6/9		14x1,5	12				
	6/9		16x1,5	12				
	6/9		18x1,5	12				
	6/10	8/10	10x1	8	17	36	20	
	6/10	8/10	10x1,5	8	17	36	20	
	6/10	8/10	12x1,5	12	17	36	20	
	6/10	8/10	14x1,5	12	17	36	20	
	6/10	8/10	16x1,5	12	17	36	20	
	6/10	8/10	18x1,5	12	17	36	20	
	8/12	9/12	10/12	12x1,5	12	19	40	20
	8/12	9/12	10/12	14x1,5	12	19	40	20
	8/12	9/12	10/12	16x1,5	12	19	40	20
	8/12	9/12	10/12	18x1,5	12	19	40	20
	10/14	12/14		12x1,5	12	21	48	25
	10/14	12/14		14x1,5	12	21	48	25
	10/14	12/14		16x1,5	12	21	48	25
	10/14	12/14		18x1,5	12	21	48	25
	12/16	14/16		14x1,5	12	23	50	25
	12/16	14/16		16x1,5	12	23	50	25
	12/16	14/16		18x1,5	12	23	50	25
	14/18	16/18		18x1,5	12	25	55	30
	14/18	16/18		20x1,5	14	25	55	30
	14/18	16/18		22x1,5	14	25	55	30
	14/18	16/18		24x1,5	16	25	55	30
	16/20	18/20		20x1,5	14	25	57	30
	16/20	18/20		22x1,5	14	25	57	30
	16/20	18/20		24x1,5	16	25	57	30

T-connector for flexible tube (Series 1A) with male NPT-thread

1



Article-Nr	Connection A	Connection B	Connection C	Material
1A300MN0318PV	DN1/8"/1/4"	DN1/8"/1/4"	NPT1/8"	PVDF
1A300MN0514PP	DN1/6"/1/4"	DN1/6"/1/4"	NPT1/4"	PP
1A300MN0518PV	DN1/6"/1/4"	DN1/6"/1/4"	NPT1/8"	PVDF
1A300MN0538PV	DN1/6"/1/4"	DN1/6"/1/4"	NPT3/8"	PVDF
1A300MN1112PP	DN1/4"/3/8"	DN1/4"/3/8"	NPT1/2"	PP
1A300MN1114PP	DN1/4"/3/8"	DN1/4"/3/8"	NPT1/4"	PP
1A300MN1512PP	DN3/8"/1/2"	DN3/8"/1/2"	NPT1/2"	PP
1A300MN4012PP	DN04/06	DN04/06	NPT1/2"	PP
1A300MN4012PV	DN04/06	DN04/06	NPT1/2"	PVDF
1A300MN4014PP	DN04/06	DN04/06	NPT1/4"	PP
1A300MN4014PV	DN04/06	DN04/06	NPT1/4"	PVDF
1A300MN4018PN	DN04/06	DN04/06	NPT1/8"	PP-NATUR
1A300MN4018PP	DN04/06	DN04/06	NPT1/8"	PP
1A300MN4018PV	DN04/06	DN04/06	NPT1/8"	PVDF
1A300MN4038PN	DN04/06	DN04/06	NPT3/8"	PP-NATUR
1A300MN4038PP	DN04/06	DN04/06	NPT3/8"	PP
1A300MN4038PV	DN04/06	DN04/06	NPT3/8"	PVDF
1A300MN4312PP	DN06/08	DN06/08	NPT1/2"	PP
1A300MN4312PV	DN06/08	DN06/08	NPT1/2"	PVDF
1A300MN4314PP	DN06/08	DN06/08	NPT1/4"	PP
1A300MN4314PV	DN06/08	DN06/08	NPT1/4"	PVDF
1A300MN4318PP	DN06/08	DN06/08	NPT1/8"	PP
1A300MN4318PV	DN06/08	DN06/08	NPT1/8"	PVDF
1A300MN4338PP	DN06/08	DN06/08	NPT3/8"	PP
1A300MN4338PV	DN06/08	DN06/08	NPT3/8"	PVDF
1A300MN4412PP	DN06/10	DN06/10	NPT1/2"	PP
1A300MN4412PV	DN06/10	DN06/10	NPT1/2"	PVDF
1A300MN4414PP	DN06/10	DN06/10	NPT1/4"	PP
1A300MN4414PV	DN06/10	DN06/10	NPT1/4"	PVDF
1A300MN4418PP	DN06/10	DN06/10	NPT1/8"	PP
1A300MN4418PV	DN06/10	DN06/10	NPT1/8"	PVDF
1A300MN4438PP	DN06/10	DN06/10	NPT3/8"	PP
1A300MN4438PV	DN06/10	DN06/10	NPT3/8"	PVDF
1A300MN4512PP	DN08/10	DN08/10	NPT1/2"	PP
1A300MN4512PV	DN08/10	DN08/10	NPT1/2"	PVDF
1A300MN4514PP	DN08/10	DN08/10	NPT1/4"	PP
1A300MN4514PV	DN08/10	DN08/10	NPT1/4"	PVDF
1A300MN4518PP	DN08/10	DN08/10	NPT1/8"	PP
1A300MN4518PV	DN08/10	DN08/10	NPT1/8"	PVDF
1A300MN4538PN	DN08/10	DN08/10	NPT3/8"	PP-NATUR
1A300MN4538PP	DN08/10	DN08/10	NPT3/8"	PP
1A300MN4538PV	DN08/10	DN08/10	NPT3/8"	PVDF
1A300MN4612PP	DN08/12	DN08/12	NPT1/2"	PP
1A300MN4612PV	DN08/12	DN08/12	NPT1/2"	PVDF
1A300MN4614PP	DN08/12	DN08/12	NPT1/4"	PP
1A300MN4614PV	DN08/12	DN08/12	NPT1/4"	PVDF
1A300MN4618PP	DN08/12	DN08/12	NPT1/8"	PP
1A300MN4618PV	DN08/12	DN08/12	NPT1/8"	PVDF
1A300MN4638PP	DN08/12	DN08/12	NPT3/8"	PP
1A300MN4638PV	DN08/12	DN08/12	NPT3/8"	PVDF
1A300MN4712PP	DN09/12	DN09/12	NPT1/2"	PP
1A300MN4738PV	DN09/12	DN09/12	NPT3/8"	PVDF
1A300MN4812PP	DN10/12	DN10/12	NPT1/2"	PP
1A300MN4812PV	DN10/12	DN10/12	NPT1/2"	PVDF
1A300MN4814PP	DN10/12	DN10/12	NPT1/4"	PP
1A300MN4814PV	DN10/12	DN10/12	NPT1/4"	PVDF
1A300MN4818PP	DN10/12	DN10/12	NPT1/8"	PP
1A300MN4818PV	DN10/12	DN10/12	NPT1/8"	PVDF
1A300MN4838PP	DN10/12	DN10/12	NPT3/8"	PP
1A300MN4838PV	DN10/12	DN10/12	NPT3/8"	PVDF
1A300MN4912PP	DN10/14	DN10/14	NPT1/2"	PP
1A300MN4912PV	DN10/14	DN10/14	NPT1/2"	PVDF

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T-connector for flexible tube (Series 1A) with male NPT-thread

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Article-Nr	Connection A	Connection B	Connection C	Material
1A300MN4914PP	DN10/14	DN10/14	NPT1/4"	PP
1A300MN4914PV	DN10/14	DN10/14	NPT1/4"	PVDF
1A300MN4918PP	DN10/14	DN10/14	NPT1/8"	PP
1A300MN4918PV	DN10/14	DN10/14	NPT1/8"	PVDF
1A300MN4938PP	DN10/14	DN10/14	NPT3/8"	PP
1A300MN4938PV	DN10/14	DN10/14	NPT3/8"	PVDF
1A300MN5112PP	DN12/14	DN12/14	NPT1/2"	PP
1A300MN5112PV	DN12/14	DN12/14	NPT1/2"	PVDF
1A300MN5114PP	DN12/14	DN12/14	NPT1/4"	PP
1A300MN5114PV	DN12/14	DN12/14	NPT1/4"	PVDF
1A300MN5138PP	DN12/14	DN12/14	NPT3/8"	PP
1A300MN5138PV	DN12/14	DN12/14	NPT3/8"	PVDF
1A300MN5212PP	DN12/16	DN12/16	NPT1/2"	PP
1A300MN5212PV	DN12/16	DN12/16	NPT1/2"	PVDF
1A300MN5214PP	DN12/16	DN12/16	NPT1/4"	PP
1A300MN5214PV	DN12/16	DN12/16	NPT1/4"	PVDF
1A300MN5238PP	DN12/16	DN12/16	NPT3/8"	PP
1A300MN5238PV	DN12/16	DN12/16	NPT3/8"	PVDF
1A300MN5312PP	DN14/16	DN14/16	NPT1/2"	PP
1A300MN5312PV	DN14/16	DN14/16	NPT1/2"	PVDF
1A300MN5314PP	DN14/16	DN14/16	NPT1/4"	PP
1A300MN5314PV	DN14/16	DN14/16	NPT1/4"	PVDF
1A300MN5338PP	DN14/16	DN14/16	NPT3/8"	PP
1A300MN5338PV	DN14/16	DN14/16	NPT3/8"	PVDF

Dimensions 1A300MN...1C300MN...

		A-B(DN)	C(NPT)	I3	L16	~L17*	ØD4
4/6			1/8"	10	12	26	12
		1/6"/1/4"					
4/6			1/4"	15	15	27	15
		1/6"/1/4"					
4/6			3/8"	15.3	15	29	20
		1/6"/1/4"					
4/6			1/2"	20	20	32	25
		1/6"/1/4"					
5/8	6/8		1/8"	10	15	31	15
5/8	6/8		1/4"	15	15	31	15
5/8	6/8		3/8"	15.3	15	33	20
5/8	6/8		1/2"	20	20	36	25
6/9			1/8"	10			
6/9			1/4"	15			
6/9			3/8"	15.3			
6/9			1/2"	20			
6/10	8/10		1/8"	10	18	36	20
		1/4"/3/8"					
6/10	8/10		1/4"	15	18	36	20
		1/4"/3/8"					
6/10	8/10		3/8"	15.3	18	36	20
		1/4"/3/8"					
6/10	8/10		1/2"	20	20	39	25
		1/4"/3/8"					
8/12	9/12	10/12	1/4"	15	20	40	20
		3/8"/1/2"					
8/12	9/12	10/12	3/8"	15.3	20	40	20
		3/8"/1/2"					
8/12	9/12	10/12	1/2"	20	20	43	25
		3/8"/1/2"					
8/12	9/12	10/12	3/4"	20	20	45	30
		3/8"/1/2"					
10/14	12/14		1/4"	15	22	48	25
10/14	12/14		3/8"	15.3	22	48	25
10/14	12/14		1/2"	20	22	48	25
10/14	12/14		3/4"	20	22	50	30
12/16	14/16		3/8"	15.3	23	50	25

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T-connector for flexible tube (Series 1A) with male NPT-thread

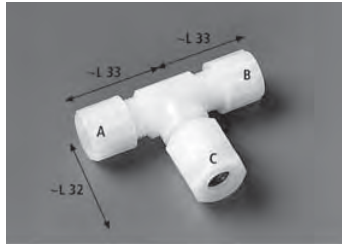
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	A-B(DN)	C(NPT)	I3	L16	~L17*	ØD4
12/16	14/16	1/2"	20	23	50	25
12/16	14/16	3/4"	20	23	52	30
14/18	16/18	1/2"	20	25	55	30
14/18	16/18	3/4"	20	25	55	30
		1/4"	15	25	57	30
		5/8"/3/4"				
		3/8"	15.3	25	57	30
16/20	18/20	1/2"	20	25	57	30
		5/8"/3/4"				
16/20	18/20	3/4"	20	25	57	30
		5/8"/3/4"				

* for connections in inch add 2 mm per side

T-union for flexible tube (Series 1A) with connection for pipe (Series 2N)

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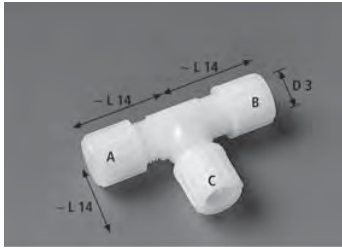
Article-Nr	Connection A	Connection B	Connection C	Material
1A300P20PV	DN5/8"/3/4"	DN5/8"/3/4"	D3/4"	PVDF
1A300P403840PV	DN04/06	D04	DN04/06	PVDF
1A300P404003PV	DN04/06	DN04/06	D1/8"	PVDF
1A300P404038PP	DN04/06	DN04/06	D04	PP
1A300P404038PV	DN04/06	DN04/06	D04	PVDF
1A300P404043PP	DN04/06	DN04/06	D08	PP
1A300P404043PV	DN04/06	DN04/06	D08	PVDF
1A300P404045PP	DN04/06	DN04/06	D10	PP
1A300P404045PV	DN04/06	DN04/06	D10	PVDF
1A300P40PP	DN04/06	DN04/06	D06	PP
1A300P40PV	DN04/06	DN04/06	D06	PVDF
1A300P434303PV	DN06/08	DN06/08	D1/8"	PVDF
1A300P434338PV	DN06/08	DN06/08	D04	PVDF
1A300P434345PP	DN06/08	DN06/08	D10	PP
1A300P43PV	DN06/08	DN06/08	D08	PVDF
1A300P444445PV	DN06/10	DN06/10	D10	PVDF
1A300P454538PP	DN08/10	DN08/10	D04	PP
1A300P454548PP	DN08/10	DN08/10	D12	PP
1A300P45PP	DN08/10	DN08/10	D10	PP
1A300P45PV	DN08/10	DN08/10	D10	PVDF
1A300P48PP	DN10/12	DN10/12	D12	PP
1A300P48PV	DN10/12	DN10/12	D12	PVDF

Dimensions 1A300P... , 1C300P...

A-B(DN)		C(D)		~L32	~L33*	
4/6		1/6"-1/4"	6	1/4"	39	27
5/8	6/8		8		39	31
6/9						
6/10	8/10	1/4"-3/8"	10	3/8"	42	36
8/12	9/12	10/12	12	1/2"	45	40
10/14	12/14		14		48	48
12/16	14/16		16		52	50
14/18	16/18		18	3/4"	59	55
16/20	18/20	5/8"-3/4"	20		59	57

* for connections in inch add 2 mm per side

T-union for flexible tube on all ends (Series 1A)



Article-Nr	Connection A	Connection B	Connection C	Material
1A300T03PP	DN1/8"/1/4"	DN1/8"/1/4"	DN1/8"/1/4"	PP
1A300T03PV	DN1/8"/1/4"	DN1/8"/1/4"	DN1/8"/1/4"	PVDF
1A300T05PP	DN1/6"/1/4"	DN1/6"/1/4"	DN1/6"/1/4"	PP
1A300T05PV	DN1/6"/1/4"	DN1/6"/1/4"	DN1/6"/1/4"	PVDF
1A300T06PV	DN3/16"/1/4"	DN3/16"/1/4"	DN3/16"/1/4"	PVDF
1A300T11PP	DN1/4"/3/8"	DN1/4"/3/8"	DN1/4"/3/8"	PP
1A300T11PV	DN1/4"/3/8"	DN1/4"/3/8"	DN1/4"/3/8"	PVDF
1A300T15PP	DN3/8"/1/2"	DN3/8"/1/2"	DN3/8"/1/2"	PP
1A300T15PV	DN3/8"/1/2"	DN3/8"/1/2"	DN3/8"/1/2"	PVDF
1A300T20PP	DN5/8"/3/4"	DN5/8"/3/4"	DN5/8"/3/4"	PP
1A300T20PV	DN5/8"/3/4"	DN5/8"/3/4"	DN5/8"/3/4"	PVDF
1A300T404005PV	DN04/06	DN04/06	DN1/6"/1/4"	PVDF
1A300T404043PP	DN04/06	DN04/06	DN06/08	PP
1A300T404043PV	DN04/06	DN04/06	DN06/08	PVDF
1A300T404045PP	DN04/06	DN04/06	DN08/10	PP
1A300T404045PV	DN04/06	DN04/06	DN08/10	PVDF
1A300T404046PV	DN04/06	DN04/06	DN08/12	PVDF
1A300T404048PP	DN04/06	DN04/06	DN10/12	PP
1A300T404048PV	DN04/06	DN04/06	DN10/12	PVDF
1A300T40PN	DN04/06	DN04/06	DN04/06	PP-NATUR
1A300T40PP	DN04/06	DN04/06	DN04/06	PP
1A300T40PV	DN04/06	DN04/06	DN04/06	PVDF
1A300T42PN	DN05/08	DN05/08	DN05/08	PP-NATUR
1A300T42PP	DN05/08	DN05/08	DN05/08	PP
1A300T42PV	DN05/08	DN05/08	DN05/08	PVDF
1A300T434040PP	DN06/08	DN04/06	DN04/06	PP
1A300T434040PV	DN06/08	DN04/06	DN04/06	PVDF
1A300T434043PP	DN06/08	DN04/06	DN06/08	PP
1A300T434043PV	DN06/08	DN04/06	DN06/08	PVDF
1A300T434045PV	DN06/08	DN04/06	DN08/10	PVDF
1A300T434303PP	DN06/08	DN06/08	DN1/8"/1/4"	PP
1A300T434305PP	DN06/08	DN06/08	DN1/6"/1/4"	PP
1A300T434340PN	DN06/08	DN06/08	DN04/06	PP-NATUR
1A300T434340PP	DN06/08	DN06/08	DN04/06	PP
1A300T434340PV	DN06/08	DN06/08	DN04/06	PVDF
1A300T434345PN	DN06/08	DN06/08	DN08/10	PP-NATUR
1A300T434345PP	DN06/08	DN06/08	DN08/10	PP
1A300T434345PV	DN06/08	DN06/08	DN08/10	PVDF
1A300T434348PP	DN06/08	DN06/08	DN10/12	PP
1A300T434348PV	DN06/08	DN06/08	DN10/12	PVDF
1A300T435143PV	DN08/10	DN12/14	DN08/10	PVDF
1A300T43PN	DN06/08	DN06/08	DN06/08	PP-NATUR
1A300T43PP	DN06/08	DN06/08	DN06/08	PP
1A300T43PV	DN06/08	DN06/08	DN06/08	PVDF
1A300T444440PP	DN06/10	DN06/10	DN04/06	PP
1A300T444440PV	DN06/10	DN06/10	DN04/06	PVDF
1A300T444445PP	DN06/10	DN06/10	DN08/10	PP
1A300T44PP	DN06/10	DN06/10	DN06/10	PP
1A300T44PV	DN06/10	DN06/10	DN06/10	PVDF
1A300T454040PP	DN08/10	DN04/06	DN04/06	PP
1A300T454040PV	DN08/10	DN04/06	DN04/06	PVDF
1A300T454045PP	DN08/10	DN04/06	DN08/10	PP
1A300T454045PV	DN08/10	DN04/06	DN08/10	PVDF
1A300T454340PP	DN08/10	DN06/08	DN04/06	PP
1A300T454340PV	DN08/10	DN06/08	DN04/06	PVDF
1A300T454343PP	DN08/10	DN06/08	DN06/08	PP
1A300T454345PP	DN08/10	DN06/08	DN08/10	PP
1A300T454345PV	DN08/10	DN06/08	DN08/10	PVDF
1A300T454505PV	DN08/10	DN08/10	DN1/6"/1/4"	PVDF
1A300T454540PP	DN08/10	DN08/10	DN04/06	PP
1A300T454540PV	DN08/10	DN08/10	DN04/06	PVDF
1A300T454543PV	DN08/10	DN08/10	DN06/08	PVDF

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T-union for flexible tube on all ends (Series 1A)

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Article-Nr	Connection A	Connection B	Connection C	Material
1A300T454548PN	DN08/10	DN08/10	DN10/12	PP-NATUR
1A300T454548PP	DN08/10	DN08/10	DN10/12	PP
1A300T454548PV	DN08/10	DN08/10	DN10/12	PVDF
1A300T454551PV	DN08/10	DN08/10	DN12/14	PVDF
1A300T454552PV	DN08/10	DN08/10	DN12/16	PVDF
1A300T45PN	DN08/10	DN08/10	DN08/10	PP-NATUR
1A300T45PP	DN08/10	DN08/10	DN08/10	PP
1A300T45PV	DN08/10	DN08/10	DN08/10	PVDF
1A300T464040PP	DN08/12	DN04/06	DN04/06	PP
1A300T464040PV	DN08/12	DN04/06	DN04/06	PVDF
1A300T464046PP	DN08/12	DN04/06	DN08/12	PP
1A300T464046PV	DN08/12	DN04/06	DN08/12	PVDF
1A300T464640PP	DN08/12	DN08/12	DN04/06	PP
1A300T464640PV	DN08/12	DN08/12	DN04/06	PVDF
1A300T464643PV	DN08/12	DN08/12	DN06/08	PVDF
1A300T464644PP	DN08/12	DN08/12	DN06/10	PP
1A300T46PP	DN08/12	DN08/12	DN08/12	PP
1A300T46PV	DN08/12	DN08/12	DN08/12	PVDF
1A300T474740PV	DN09/12	DN09/12	DN04/06	PVDF
1A300T47PN	DN09/12	DN09/12	DN09/12	PP-NATUR
1A300T47PP	DN09/12	DN09/12	DN09/12	PP
1A300T47PV	DN09/12	DN09/12	DN09/12	PVDF
1A300T484040PP	DN10/12	DN04/06	DN04/06	PP
1A300T484040PV	DN10/12	DN04/06	DN04/06	PVDF
1A300T484048PP	DN10/12	DN04/06	DN10/12	PP
1A300T484340PV	DN10/12	DN06/08	DN04/06	PVDF
1A300T484343PP	DN10/12	DN06/08	DN06/08	PP
1A300T484343PV	DN10/12	DN06/08	DN06/08	PVDF
1A300T484348PP	DN10/12	DN06/08	DN10/12	PP
1A300T484348PV	DN10/12	DN06/08	DN10/12	PVDF
1A300T484545PV	DN10/12	DN08/10	DN08/10	PVDF
1A300T484815PV	DN10/12	DN10/12	DN3/8"1/2"	PVDF
1A300T484840PN	DN10/12	DN10/12	DN04/06	PP-NATUR
1A300T484840PP	DN10/12	DN10/12	DN04/06	PP
1A300T484840PV	DN10/12	DN10/12	DN04/06	PVDF
1A300T484843PN	DN10/12	DN10/12	DN06/08	PP-NATUR
1A300T484843PP	DN10/12	DN10/12	DN06/08	PP
1A300T484843PV	DN10/12	DN10/12	DN06/08	PVDF
1A300T484845PN	DN10/12	DN10/12	DN08/10	PP-NATUR
1A300T484845PP	DN10/12	DN10/12	DN08/10	PP
1A300T484845PV	DN10/12	DN10/12	DN08/10	PVDF
1A300T48PN	DN10/12	DN10/12	DN10/12	PP-NATUR
1A300T48PP	DN10/12	DN10/12	DN10/12	PP
1A300T48PV	DN10/12	DN10/12	DN10/12	PVDF
1A300T48PVEL	DN10/12	DN10/12	DN10/12	PVDF LEITFähIG
1A300T494940PP	DN10/14	DN10/14	DN04/06	PP
1A300T494940PV	DN10/14	DN10/14	DN04/06	PVDF
1A300T494943PV	DN10/14	DN10/14	DN06/08	PVDF
1A300T494946PP	DN10/14	DN10/14	DN08/12	PP
1A300T494946PV	DN10/14	DN10/14	DN08/12	PVDF
1A300T49PP	DN10/14	DN10/14	DN10/14	PP
1A300T49PV	DN10/14	DN10/14	DN10/14	PVDF
1A300T514040PP	DN12/14	DN04/06	DN04/06	PP
1A300T514040PV	DN12/14	DN04/06	DN04/06	PVDF
1A300T514343PP	DN12/14	DN06/08	DN06/08	PP
1A300T514545PV	DN12/14	DN08/10	DN08/10	PVDF
1A300T514551PP	DN12/14	DN08/10	DN12/14	PP
1A300T514551PV	DN12/14	DN08/10	DN12/14	PVDF
1A300T514848PP	DN12/14	DN10/12	DN10/12	PP
1A300T515140PN	DN12/14	DN12/14	DN04/06	PP-NATUR
1A300T515140PP	DN12/14	DN12/14	DN04/06	PP

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T-union for flexible tube on all ends (Series 1A)

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Article-Nr	Connection A	Connection B	Connection C	Material
1A300T515140PV	DN12/14	DN12/14	DN04/06	PVDF
1A300T515143PP	DN12/14	DN12/14	DN06/08	PP
1A300T515145PP	DN12/14	DN12/14	DN08/10	PP
1A300T51PN	DN12/14	DN12/14	DN12/14	PP-NATUR
1A300T51PP	DN12/14	DN12/14	DN12/14	PP
1A300T51PV	DN12/14	DN12/14	DN12/14	PVDF
1A300T524052PV	DN12/16	DN04/06	DN12/16	PVDF
1A300T524848PV	DN12/16	DN10/12	DN10/12	PVDF
1A300T525240PP	DN12/16	DN12/16	DN04/06	PP
1A300T525246PP	DN12/16	DN12/16	DN08/12	PP
1A300T525246PV	DN12/16	DN12/16	DN08/12	PVDF
1A300T52PP	DN12/16	DN12/16	DN12/16	PP
1A300T52PV	DN12/16	DN12/16	DN12/16	PVDF
1A300T534040PV	DN14/16	DN04/06	DN04/06	PVDF
1A300T534848PP	DN14/16	DN10/12	DN10/12	PP
1A300T534848PV	DN14/16	DN10/12	DN10/12	PVDF
1A300T535343PP	DN14/16	DN14/16	DN06/08	PP
1A300T535343PV	DN14/16	DN14/16	DN06/08	PVDF
1A300T535345PV	DN14/16	DN14/16	DN08/10	PVDF
1A300T535348PP	DN14/16	DN14/16	DN10/12	PP
1A300T535357PV	DN14/16	DN14/16	DN18/20	PVDF
1A300T53PP	DN14/16	DN14/16	DN14/16	PP
1A300T53PV	DN14/16	DN14/16	DN14/16	PVDF
1A300T54PP	DN14/18	DN14/18	DN14/18	PP
1A300T54PV	DN14/18	DN14/18	DN14/18	PVDF
1A300T55PP	DN16/18	DN16/18	DN16/18	PP
1A300T55PV	DN16/18	DN16/18	DN16/18	PVDF
1A300T565643PP	DN16/20	DN16/20	DN08/12	PP
1A300T565643PV	DN16/20	DN16/20	DN08/12	PVDF
1A300T565649PV	DN16/20	DN16/20	DN10/14	PVDF
1A300T56PP	DN16/20	DN16/20	DN16/20	PP
1A300T56PV	DN16/20	DN16/20	DN16/20	PVDF
1A300T575353PV	DN18/20	DN14/16	DN14/16	PVDF
1A300T57PP	DN18/20	DN18/20	DN18/20	PP
1A300T57PV	DN18/20	DN18/20	DN18/20	PVDF

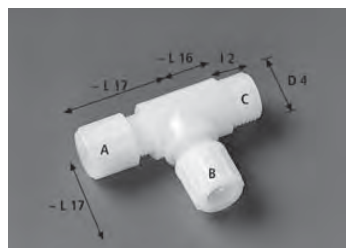
Dimensions 1A300T... , 1C300T...

	A-B-C(DN)		~L14*	ØD3
4/6		1/6"-1/4"	26	12
5/8**	6/8		31	15
6/9				
6/10	8/10	1/4"-3/8"	36	20
8/12	9/12	10/12	43	20
10/14	12/14		48	25
12/16	14/16		50	25
14/18	16/18		55	30
16/20	18/20	5/8"-3/4"	59	32

* for connections in inch add 2 mm per side

T-connector for flexible tube (Series 1A) with male G-thread, asymmetrical

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Article-Nr	Connection A	Connection B	Connection C	Material
1A310MG0314PV	DN1/8"/1/4"	DN1/8"/1/4"	G1/4"	PVDF
1A310MG1112PP	DN1/4"/3/8"	DN1/4"/3/8"	G1/2"	PP
1A310MG1512PP	DN3/8"/1/2"	DN3/8"/1/2"	G1/2"	PP
1A310MG4012PP	DN04/06	DN04/06	G1/2"	PP
1A310MG4012PV	DN04/06	DN04/06	G1/2"	PVDF
1A310MG401418PV	DN04/06	G1/4"	G1/8"	PVDF
1A310MG4014PP	DN04/06	DN04/06	G1/4"	PP
1A310MG4014PPFP	DN04/06	DN04/06	G1/4"	PP/FPM
1A310MG4014PV	DN04/06	DN04/06	G1/4"	PVDF
1A310MG4014PVFP	DN04/06	DN04/06	G1/4"	PVDF/FPM
1A310MG401818PV	DN04/06	G1/8"	G1/8"	PVDF
1A310MG4018PP	DN04/06	DN04/06	G1/8"	PP
1A310MG4018PPFP	DN04/06	DN04/06	G1/8"	PP/FPM
1A310MG4018PV	DN04/06	DN04/06	G1/8"	PVDF
1A310MG4038PN	DN04/06	DN04/06	G3/8"	PP-NATUR
1A310MG4038PP	DN04/06	DN04/06	G3/8"	PP
1A310MG4038PPFP	DN04/06	DN04/06	G3/8"	PP/FPM
1A310MG4038PV	DN04/06	DN04/06	G3/8"	PVDF
1A310MG404314PV	DN04/06	DN06/08	G1/4"	PVDF
1A310MG404414PP	DN04/06	DN06/10	G1/4"	PP
1A310MG4212PP	DN05/08	DN05/08	G1/2"	PP
1A310MG4214PV	DN05/08	DN05/08	G1/4"	PVDF
1A310MG4312PP	DN06/08	DN06/08	G1/2"	PP
1A310MG4312PV	DN06/08	DN06/08	G1/2"	PVDF
1A310MG4314PP	DN06/08	DN06/08	G1/4"	PP
1A310MG4314PV	DN06/08	DN06/08	G1/4"	PVDF
1A310MG4318PP	DN06/08	DN06/08	G1/8"	PP
1A310MG4318PV	DN06/08	DN06/08	G1/8"	PVDF
1A310MG4338PP	DN06/08	DN06/08	G3/8"	PP
1A310MG4338PV	DN06/08	DN06/08	G3/8"	PVDF
1A310MG434012PV	DN06/08	DN04/06	G1/2"	PVDF
1A310MG434018PV	DN06/08	DN04/06	G1/8"	PVDF
1A310MG4412PP	DN06/10	DN06/10	G1/2"	PP
1A310MG4412PV	DN06/10	DN06/10	G1/2"	PVDF
1A310MG4414PP	DN06/10	DN06/10	G1/4"	PP
1A310MG4414PV	DN06/10	DN06/10	G1/4"	PVDF
1A310MG4418PP	DN06/10	DN06/10	G1/8"	PP
1A310MG4418PV	DN06/10	DN06/10	G1/8"	PVDF
1A310MG4438PP	DN06/10	DN06/10	G3/8"	PP
1A310MG4438PV	DN06/10	DN06/10	G3/8"	PVDF
1A310MG4512PP	DN08/10	DN08/10	G1/2"	PP
1A310MG4512PPEP	DN08/10	DN08/10	G1/2"	PP/EPDM
1A310MG4512PV	DN08/10	DN08/10	G1/2"	PVDF
1A310MG4514PP	DN08/10	DN08/10	G1/4"	PP
1A310MG4514PV	DN08/10	DN08/10	G1/4"	PVDF
1A310MG4514PVFP	DN08/10	DN08/10	G1/4"	PVDF/FPM
1A310MG4518PP	DN08/10	DN08/10	G1/8"	PP
1A310MG4518PV	DN08/10	DN08/10	G1/8"	PVDF
1A310MG4538PP	DN08/10	DN08/10	G3/8"	PP
1A310MG4538PV	DN08/10	DN08/10	G3/8"	PVDF
1A310MG454012PP	DN08/10	DN04/06	G1/2"	PP
1A310MG454014PV	DN08/10	DN04/06	G1/4"	PVDF
1A310MG4612PP	DN08/12	DN08/12	G1/2"	PP
1A310MG4612PV	DN08/12	DN08/12	G1/2"	PVDF
1A310MG4614PP	DN08/12	DN08/12	G1/4"	PP
1A310MG4614PV	DN08/12	DN08/12	G1/4"	PVDF
1A310MG4618PP	DN08/12	DN08/12	G1/8"	PP
1A310MG4618PV	DN08/12	DN08/12	G1/8"	PVDF
1A310MG4638PP	DN08/12	DN08/12	G3/8"	PP
1A310MG4638PV	DN08/12	DN08/12	G3/8"	PVDF
1A310MG4712PP	DN09/12	DN09/12	G1/2"	PP
1A310MG4812PP	DN10/12	DN10/12	G1/2"	PP

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T-connector for flexible tube (Series 1A) with male G-thread, asymmetrical

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Article-Nr	Connection A	Connection B	Connection C	Material
1A310MG4812PV	DN10/12	DN10/12	G1/2"	PVDF
1A310MG4814PP	DN10/12	DN10/12	G1/4"	PP
1A310MG4814PV	DN10/12	DN10/12	G1/4"	PVDF
1A310MG4818PP	DN10/12	DN10/12	G1/8"	PP
1A310MG4818PV	DN10/12	DN10/12	G1/8"	PVDF
1A310MG4838PP	DN10/12	DN10/12	G3/8"	PP
1A310MG4838PPFP	DN10/12	DN10/12	G3/8"	PP/FPM
1A310MG4838PV	DN10/12	DN10/12	G3/8"	PVDF
1A310MG4912PP	DN10/14	DN10/14	G1/2"	PP
1A310MG4912PV	DN10/14	DN10/14	G1/2"	PVDF
1A310MG4914PP	DN10/14	DN10/14	G1/4"	PP
1A310MG4914PV	DN10/14	DN10/14	G1/4"	PVDF
1A310MG4938PP	DN10/14	DN10/14	G3/8"	PP
1A310MG4938PV	DN10/14	DN10/14	G3/8"	PVDF
1A310MG5112PP	DN12/14	DN12/14	G1/2"	PP
1A310MG5112PV	DN12/14	DN12/14	G1/2"	PVDF
1A310MG5114PP	DN12/14	DN12/14	G1/4"	PP
1A310MG5114PV	DN12/14	DN12/14	G1/4"	PVDF
1A310MG5138PP	DN12/14	DN12/14	G3/8"	PP
1A310MG5138PV	DN12/14	DN12/14	G3/8"	PVDF
1A310MG5212PP	DN12/16	DN12/16	G1/2"	PP
1A310MG5212PV	DN12/16	DN12/16	G1/2"	PVDF
1A310MG5214PP	DN12/16	DN12/16	G1/4"	PP
1A310MG5214PV	DN12/16	DN12/16	G1/4"	PVDF
1A310MG5238PP	DN12/16	DN12/16	G3/8"	PP
1A310MG5238PV	DN12/16	DN12/16	G3/8"	PVDF
1A310MG5312PV	DN14/16	DN14/16	G1/2"	PVDF
1A310MG534812PV	DN14/16	DN10/12	G1/2"	PVDF
1A310MG5538PV	DN16/18	DN16/18	G3/8"	PVDF
1A310MG5612PV	DN16/20	DN16/20	G1/2"	PVDF
1A310MG5634PV	DN16/20	DN16/20	G3/4"	PVDF

Dimensions 1A310MG. . .,1C310MG. . .

		A-B(DN)	C(G)	I2	L16	~L17*	ØD4
4/6		1/6"/1/4"	1/8"	8	12	26	12
4/6		1/6"/1/4"	1/4"	12	15	27	15
4/6		1/6"/1/4"	3/8"	12	15	29	20
4/6		1/6"/1/4"	1/2"	14	20	32	25
5/8	6/8		1/8"	8	12	31	15
5/8	6/8		1/4"	12	15	31	15
5/8	6/8		3/8"	12	15	33	20
5/8	6/8		1/2"	14	20	36	25
6/9			1/8"	8			
6/9			1/4"	12			
6/9			3/8"	12			
6/9			1/2"	14			
6/10	8/10		1/8"	8	18	36	20
6/10	8/10	1/4"/3/8"	1/4"	12	18	36	20
6/10	8/10	1/4"/3/8"	3/8"	12	18	36	20
6/10	8/10	1/4"/3/8"	1/2"	14	20	39	25
8/12	9/12	10/12	1/4"	12	20	40	20
8/12	9/12	10/12	3/8"/1/2"	3/8"	12	20	40
8/12	9/12	10/12	3/8"/1/2"	1/2"	14	20	43
			3/8"/1/2"				

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T-connector for flexible tube (Series 1A) with male G-thread, asymmetrical

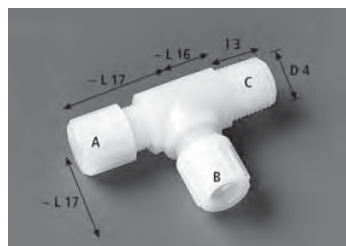
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		A-B(DN)		C(G)	I2	L16	~L17*	ØD4
8/12	9/12	10/12	3/8"1/2"	3/4"	16	20	45	30
10/14	12/14			1/4"	12	22	48	25
10/14	12/14			3/8"	12	22	48	25
10/14	12/14			1/2"	14	22	48	25
10/14	12/14			3/4"	16	22	50	30
12/16	14/16			3/8"	12	23	50	25
12/16	14/16			1/2"	14	23	50	25
12/16	14/16			3/4"	16	23	52	30
14/18	16/18			1/2"	14	25	55	30
14/18	16/18			3/4"	16	25	55	30
				1/4"	12	25	57	30
			5/8"3/4"					
				3/8"	12	25	57	30
			5/8"3/4"					
16/20	18/20			1/2"	14	25	57	30
			5/8"3/4"					
16/20	18/20			3/4"	16	25	57	30
			5/8"3/4"					

* for connections in inch add 2 mm per side

T-connector for flexible tube (Series 1A) with male NPT-thread, asymmetrical

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Article-Nr	Connection A	Connection B	Connection C	Material
1A310MN0314PV	DN1/8"/1/4"	DN1/8"/1/4"	NPT1/4"	PVDF
1A310MN0514PP	DN1/6"/1/4"	DN1/6"/1/4"	NPT1/4"	PP
1A310MN0514PV	DN1/6"/1/4"	DN1/6"/1/4"	NPT1/4"	PVDF
1A310MN0518PP	DN1/6"/1/4"	DN1/6"/1/4"	NPT1/8"	PP
1A310MN0518PV	DN1/6"/1/4"	DN1/6"/1/4"	NPT1/8"	PVDF
1A310MN1114PP	DN1/4"/3/8"	DN1/4"/3/8"	NPT1/4"	PP
1A310MN1114PV	DN1/4"/3/8"	DN1/4"/3/8"	NPT1/4"	PVDF
1A310MN1118PP	DN1/4"/3/8"	DN1/4"/3/8"	NPT1/8"	PP
1A310MN1118PV	DN1/4"/3/8"	DN1/4"/3/8"	NPT1/8"	PVDF
1A310MN1512PV	DN3/8"/1/2"	DN3/8"/1/2"	NPT1/2"	PVDF
1A310MN1514PP	DN3/8"/1/2"	DN3/8"/1/2"	NPT1/4"	PP
1A310MN1514PV	DN3/8"/1/2"	DN3/8"/1/2"	NPT1/4"	PVDF
1A310MN1518PP	DN3/8"/1/2"	DN3/8"/1/2"	NPT1/8"	PP
1A310MN1518PV	DN3/8"/1/2"	DN3/8"/1/2"	NPT1/8"	PVDF
1A310MN4012PP	DN04/06	DN04/06	NPT1/2"	PP
1A310MN4012PV	DN04/06	DN04/06	NPT1/2"	PVDF
1A310MN4014PP	DN04/06	DN04/06	NPT1/4"	PP
1A310MN4014PV	DN04/06	DN04/06	NPT1/4"	PVDF
1A310MN4018PP	DN04/06	DN04/06	NPT1/8"	PP
1A310MN4018PV	DN04/06	DN04/06	NPT1/8"	PVDF
1A310MN4038PN	DN04/06	DN04/06	NPT3/8"	PP-NATUR
1A310MN4038PP	DN04/06	DN04/06	NPT3/8"	PP
1A310MN4038PV	DN04/06	DN04/06	NPT3/8"	PVDF
1A310MN404318PV	DN04/06	DN06/08	NPT1/8"	PVDF
1A310MN4312PP	DN06/08	DN06/08	NPT1/2"	PP
1A310MN4312PV	DN06/08	DN06/08	NPT1/2"	PVDF
1A310MN4314PP	DN06/08	DN06/08	NPT1/4"	PP
1A310MN4314PV	DN06/08	DN06/08	NPT1/4"	PVDF
1A310MN4318PP	DN06/08	DN06/08	NPT1/8"	PP
1A310MN4318PV	DN06/08	DN06/08	NPT1/8"	PVDF
1A310MN4338PP	DN06/08	DN06/08	NPT3/8"	PP
1A310MN4338PV	DN06/08	DN06/08	NPT3/8"	PVDF
1A310MN4412PP	DN06/10	DN06/10	NPT1/2"	PP
1A310MN4412PV	DN06/10	DN06/10	NPT1/2"	PVDF
1A310MN4414PP	DN06/10	DN06/10	NPT1/4"	PP
1A310MN4414PV	DN06/10	DN06/10	NPT1/4"	PVDF
1A310MN4418PP	DN06/10	DN06/10	NPT1/8"	PP
1A310MN4418PV	DN06/10	DN06/10	NPT1/8"	PVDF
1A310MN4438PP	DN06/10	DN06/10	NPT3/8"	PP
1A310MN4438PV	DN06/10	DN06/10	NPT3/8"	PVDF
1A310MN4512PP	DN08/10	DN08/10	NPT1/2"	PP
1A310MN4512PV	DN08/10	DN08/10	NPT1/2"	PVDF
1A310MN4514PP	DN08/10	DN08/10	NPT1/4"	PP
1A310MN4514PV	DN08/10	DN08/10	NPT1/4"	PVDF
1A310MN4518PP	DN08/10	DN08/10	NPT1/8"	PP
1A310MN4518PV	DN08/10	DN08/10	NPT1/8"	PVDF
1A310MN4538PP	DN08/10	DN08/10	NPT3/8"	PP
1A310MN4538PV	DN08/10	DN08/10	NPT3/8"	PVDF
1A310MN4612PP	DN08/12	DN08/12	NPT1/2"	PP
1A310MN4612PV	DN08/12	DN08/12	NPT1/2"	PVDF
1A310MN4614PP	DN08/12	DN08/12	NPT1/4"	PP
1A310MN4614PV	DN08/12	DN08/12	NPT1/4"	PVDF
1A310MN4618PP	DN08/12	DN08/12	NPT1/8"	PP
1A310MN4618PV	DN08/12	DN08/12	NPT1/8"	PVDF
1A310MN4638PP	DN08/12	DN08/12	NPT3/8"	PP
1A310MN4638PV	DN08/12	DN08/12	NPT3/8"	PVDF
1A310MN4812PP	DN10/12	DN10/12	NPT1/2"	PP
1A310MN4812PV	DN10/12	DN10/12	NPT1/2"	PVDF
1A310MN4814PP	DN10/12	DN10/12	NPT1/4"	PP
1A310MN4814PV	DN10/12	DN10/12	NPT1/4"	PVDF
1A310MN4818PP	DN10/12	DN10/12	NPT1/8"	PP
1A310MN4818PV	DN10/12	DN10/12	NPT1/8"	PVDF

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T-connector for flexible tube (Series 1A) with male NPT-thread, asymmetrical

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Article-Nr	Connection A	Connection B	Connection C	Material
1A310MN4838PP	DN10/12	DN10/12	NPT3/8"	PP
1A310MN4838PV	DN10/12	DN10/12	NPT3/8"	PVDF
1A310MN4912PP	DN10/14	DN10/14	NPT1/2"	PP
1A310MN4912PV	DN10/14	DN10/14	NPT1/2"	PVDF
1A310MN4914PP	DN10/14	DN10/14	NPT1/4"	PP
1A310MN4914PV	DN10/14	DN10/14	NPT1/4"	PVDF
1A310MN4938PP	DN10/14	DN10/14	NPT3/8"	PP
1A310MN4938PV	DN10/14	DN10/14	NPT3/8"	PVDF
1A310MN5112PP	DN12/14	DN12/14	NPT1/2"	PP
1A310MN5112PV	DN12/14	DN12/14	NPT1/2"	PVDF
1A310MN5114PP	DN12/14	DN12/14	NPT1/4"	PP
1A310MN5114PV	DN12/14	DN12/14	NPT1/4"	PVDF
1A310MN5138PP	DN12/14	DN12/14	NPT3/8"	PP
1A310MN5138PV	DN12/14	DN12/14	NPT3/8"	PVDF
1A310MN5212PP	DN12/16	DN12/16	NPT1/2"	PP
1A310MN5212PV	DN12/16	DN12/16	NPT1/2"	PVDF
1A310MN5214PP	DN12/16	DN12/16	NPT1/4"	PP
1A310MN5214PV	DN12/16	DN12/16	NPT1/4"	PVDF
1A310MN5238PP	DN12/16	DN12/16	NPT3/8"	PP
1A310MN5238PV	DN12/16	DN12/16	NPT3/8"	PVDF

Dimensions 1A310MN...1C310MN...

	A-B(DN)	C(NPT)	I3	L16	~L17*	ØD4
4/6		1/8"	10	12	26	12
		1/6"/1/4"				
4/6		1/4"	15	15	27	15
		1/6"/1/4"				
4/6		3/8"	15.3	15	29	20
		1/6"/1/4"				
4/6		1/2"	20	20	32	25
		1/6"/1/4"				
5/8	6/8	1/8"	10	15	31	15
5/8	6/8	1/4"	15	15	31	15
5/8	6/8	3/8"	15.3	15	33	20
5/8	6/8	1/2"	20	20	36	25
6/9		1/8"	10			
6/9		1/4"	15			
6/9		3/8"	15.3			
6/9		1/2"	20			
6/10	8/10	1/8"	10	18	36	20
		1/4"/3/8"				
6/10	8/10	1/4"	15	18	36	20
		1/4"/3/8"				
6/10	8/10	3/8"	15.3	18	36	20
		1/4"/3/8"				
6/10	8/10	1/2"	20	20	39	25
		1/4"/3/8"				
8/12	9/12 10/12	1/4"	15	20	40	20
		3/8"/1/2"				
8/12	9/12 10/12	3/8"	15.3	20	40	20
		3/8"/1/2"				
8/12	9/12 10/12	1/2"	20	20	43	25
		3/8"/1/2"				
8/12	9/12 10/12	3/4"	20	20	45	30
		3/8"/1/2"				
10/14	12/14	1/4"	15	22	48	25
10/14	12/14	3/8"	15.3	22	48	25
10/14	12/14	1/2"	20	22	48	25
10/14	12/14	3/4"	20	22	50	30
12/16	14/16	3/8"	15.3	23	50	25
12/16	14/16	1/2"	20	23	50	25
12/16	14/16	3/4"	20	23	52	30
14/18	16/18	1/2"	20	25	55	30
14/18	16/18	3/4"	20	25	55	30

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T-connector for flexible tube (Series 1A) with male NPT-thread, asymmetrical

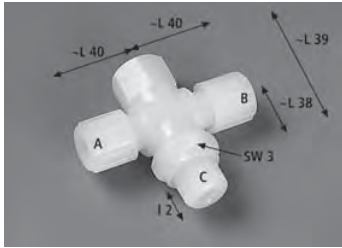
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A-B(DN)		C(NPT)	I3	L16	~L17*	ØD4	
5/8"/3/4"		1/4"	15	25	57	30	
5/8"/3/4"		3/8"	15.3	25	57	30	
16/20	18/20	5/8"/3/4"	1/2"	20	25	57	30
16/20	18/20	5/8"/3/4"	3/4"	20	25	57	30

* for connections in inch add 2 mm per side

**T-swivel connector for flexible tube (Series 1A)
with male G-thread**

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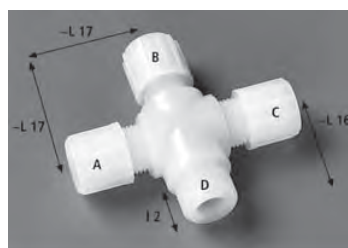
Article-Nr	Connection A	Connection B	Connection C	Material
1A350MG4014PPFP	DN04/06	DN04/06	G1/4"	PP/FPM
1A350MG4038PPFP	DN04/06	DN04/06	G3/8"	PP/FPM
1A350MG4314PPFP	DN06/08	DN06/08	G1/4"	PP
1A350MG4814PPEP	DN10/12	DN10/12	G1/4"	PP/EPDM
1A350MG4838PPFP	DN10/12	DN10/12	G3/8"	PP/FPM

Dimensions 1A350MG...1C350MG...

A(DN)	B(DN)	C(G)	l2	L38	~L39	~L40	SW3
4/6	4/6	1/8"	8	19.5	44.5	29	17
		1/4"	12	20	45	29	19
		3/8"	12	20.5	45.5	29	22
6/8	6/8	1/8"	8	19.5	44.5	33	17
		1/4"	12	20	45	33	19
		1/2"	14	23	48	33	27
6/10	6/10	1/8"	8	19.5	44.5	36	17
		1/4"	12	20	45	36	19
		1/2"	14	23	48	36	27
8/10	8/10	1/8"	8	19.5	44.5	36	17
		1/4"	12	20	45	36	19
		1/2"	14	23	48	36	27
8/12	8/12	1/4"	12	20	45	40	19
		3/8"	12	20.5	45.5	40	22
		1/2"	14	23	48	40	27
10/12	10/12	1/4"	12	20	45	40	19
		3/8"	12	20.5	45.5	40	22
		1/2"	14	23	48	40	27

Cross connector for flexible tube (Series 1A) with male G-thread

1



Article-Nr	Connection A	Connection B	Connection C Connection D	Material
1A400MG4012PP	DN04/06	DN04/06	DN04/06 G1/2"	PP
1A400MG4012PV	DN04/06	DN04/06	DN04/06 G1/2"	PVDF
1A400MG4014PP	DN04/06	DN04/06	DN04/06 G1/4"	PP
1A400MG4014PPFP	DN04/06	DN04/06	DN04/06 G1/4"	PP/FPM
1A400MG4014PV	DN04/06	DN04/06	DN04/06 G1/4"	PVDF
1A400MG4018PP	DN04/06	DN04/06	DN04/06 G1/8"	PP
1A400MG4018PV	DN04/06	DN04/06	DN04/06 G1/8"	PVDF
1A400MG4038PP	DN04/06	DN04/06	DN04/06 G3/8"	PP
1A400MG4038PV	DN04/06	DN04/06	DN04/06 G3/8"	PVDF
1A400MG40404314PP	DN04/06	DN04/06	DN06/08 G1/4"	PP
1A400MG4312PP	DN06/08	DN06/08	DN06/08 G1/2"	PP
1A400MG4312PV	DN06/08	DN06/08	DN06/08 G1/2"	PVDF
1A400MG4314PP	DN06/08	DN06/08	DN06/08 G1/4"	PP
1A400MG4314PV	DN06/08	DN06/08	DN06/08 G1/4"	PVDF
1A400MG4318PP	DN06/08	DN06/08	DN06/08 G1/8"	PP
1A400MG4318PV	DN06/08	DN06/08	DN06/08 G1/8"	PVDF
1A400MG4338PP	DN06/08	DN06/08	DN06/08 G3/8"	PP
1A400MG4338PV	DN06/08	DN06/08	DN06/08 G3/8"	PVDF
1A400MG4412PP	DN06/10	DN06/10	DN06/10 G1/2"	PP
1A400MG4412PV	DN06/10	DN06/10	DN06/10 G1/2"	PVDF
1A400MG4414PP	DN06/10	DN06/10	DN06/10 G1/4"	PP
1A400MG4414PV	DN06/10	DN06/10	DN06/10 G1/4"	PVDF
1A400MG4418PP	DN06/10	DN06/10	DN06/10 G1/8"	PP
1A400MG4418PV	DN06/10	DN06/10	DN06/10 G1/8"	PVDF
1A400MG4438PP	DN06/10	DN06/10	DN06/10 G3/8"	PP
1A400MG4438PV	DN06/10	DN06/10	DN06/10 G3/8"	PVDF
1A400MG4512PP	DN08/10	DN08/10	DN08/10 G1/2"	PP
1A400MG4512PV	DN08/10	DN08/10	DN08/10 G1/2"	PVDF
1A400MG4514PP	DN08/10	DN08/10	DN08/10 G1/4"	PP
1A400MG4514PV	DN08/10	DN08/10	DN08/10 G1/4"	PVDF
1A400MG4518PP	DN08/10	DN08/10	DN08/10 G1/8"	PP
1A400MG4518PV	DN08/10	DN08/10	DN08/10 G1/8"	PVDF
1A400MG4538PP	DN08/10	DN08/10	DN08/10 G3/8"	PP
1A400MG4538PV	DN08/10	DN08/10	DN08/10 G3/8"	PVDF
1A400MG4612PP	DN08/12	DN08/12	DN08/12 G1/2"	PP

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Cross connector for flexible tube (Series 1A) with male G-thread

1

Article-Nr	Connection A	Connection B	Connection C Connection D	Material
1A400MG4612PV	DN08/12	DN08/12	DN08/12 G1/2"	PVDF
1A400MG4614PP	DN08/12	DN08/12	DN08/12 G1/4"	PP
1A400MG4614PV	DN08/12	DN08/12	DN08/12 G1/4"	PVDF
1A400MG4618PP	DN08/12	DN08/12	DN08/12 G1/8"	PP
1A400MG4618PV	DN08/12	DN08/12	DN08/12 G1/8"	PVDF
1A400MG4638PP	DN08/12	DN08/12	DN08/12 G3/8"	PP
1A400MG4638PV	DN08/12	DN08/12	DN08/12 G3/8"	PVDF
1A400MG4812PP	DN10/12	DN10/12	DN10/12 G1/2"	PP
1A400MG4812PV	DN10/12	DN10/12	DN10/12 G1/2"	PVDF
1A400MG4814PP	DN10/12	DN10/12	DN10/12 G1/4"	PP
1A400MG4814PV	DN10/12	DN10/12	DN10/12 G1/4"	PVDF
1A400MG4838PN	DN10/12	DN10/12	DN10/12 G3/8"	PP-NATUR
1A400MG4838PP	DN10/12	DN10/12	DN10/12 G3/8"	PP
1A400MG4838PV	DN10/12	DN10/12	DN10/12 G3/8"	PVDF
1A400MG4912PP	DN10/14	DN10/14	DN10/14 G1/2"	PP
1A400MG4912PV	DN10/14	DN10/14	DN10/14 G1/2"	PVDF
1A400MG4914PP	DN10/14	DN10/14	DN10/14 G1/4"	PP
1A400MG4914PV	DN10/14	DN10/14	DN10/14 G1/4"	PVDF
1A400MG4938PP	DN10/14	DN10/14	DN10/14 G3/8"	PP
1A400MG4938PV	DN10/14	DN10/14	DN10/14 G3/8"	PVDF
1A400MG5112PP	DN12/14	DN12/14	DN12/14 G1/2"	PP
1A400MG5112PV	DN12/14	DN12/14	DN12/14 G1/2"	PVDF
1A400MG5138PP	DN12/14	DN12/14	DN12/14 G3/8"	PP
1A400MG5138PV	DN12/14	DN12/14	DN12/14 G3/8"	PVDF

Dimensions 1A400MG...1C400MG...

A(DN)	B(DN)	C(DN)	D(G)	l2	~L16	~L17
4/6	4/6	4/6	1/8"	8	20	26
4/6	4/6	4/6	1/4"	12	27	29
4/6	4/6	4/6	3/8"	12	27	29
4/6	4/6	4/6	1/2"	14	34	32
6/8	6/8	6/8	1/8"	8	20	33
6/8	6/8	6/8	1/4"	12	27	33
6/8	6/8	6/8	3/8"	12	27	33
6/8	6/8	6/8	1/2"	14	34	36
6/10	6/10	6/10	1/8"	8	26	36
6/10	6/10	6/10	1/4"	12	30	36
6/10	6/10	6/10	3/8"	12	30	36
6/10	6/10	6/10	1/2"	14	34	39
8/10	8/10	8/10	1/4"	12	30	36
8/10	8/10	8/10	3/8"	12	30	36
8/10	8/10	8/10	1/2"	14	34	39
8/12	8/12	8/12	1/4"	12	32	40

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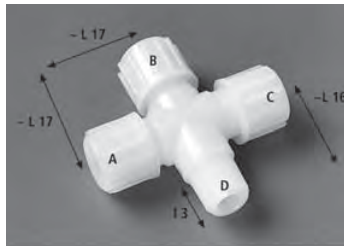
Cross connector for flexible tube (Series 1A) with male G-thread

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A(DN)	B(DN)	C(DN)	D(G)	l2	~L16	~L17
8/12	8/12	8/12	3/8"	12	32	40
8/12	8/12	8/12	1/2"	14	34	43
10/12	10/12	10/12	1/4"	12	32	40
10/12	10/12	10/12	3/8"	12	32	40
10/12	10/12	10/12	1/2"	14	34	43
10/14	10/14	10/14	3/8"	12	34	48
10/14	10/14	10/14	1/2"	14	36	48
12/14	12/14	12/14	3/8"	12	34	48
12/14	12/14	12/14	1/2"	14	36	48

Cross connector for flexible tube (Series 1A) with male NPT-thread

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Article-Nr	Connection A	Connection B	Connection C Connection D	Material
1A400MN4012PP	DN04/06, DN04/06	DN04/06	NPT1/2"	PP
1A400MN4012PV	DN04/06, DN04/06	DN04/06	NPT1/2"	PVDF
1A400MN4014PP	DN04/06, DN04/06	DN04/06	NPT1/4"	PP
1A400MN4014PV	DN04/06, DN04/06	DN04/06	NPT1/4"	PVDF
1A400MN4018PP	DN04/06, DN04/06	DN04/06	NPT1/8"	PP
1A400MN4018PV	DN04/06, DN04/06	DN04/06	NPT1/8"	PVDF
1A400MN4038PP	DN04/06, DN04/06	DN04/06	NPT3/8"	PP
1A400MN4038PV	DN04/06, DN04/06	DN04/06	NPT3/8"	PVDF
1A400MN4312PP	DN06/08	DN06/08	DN06/08 NPT1/2"	PP
1A400MN4312PV	DN06/08	DN06/08	DN06/08 NPT1/2"	PVDF
1A400MN4314PP	DN06/08	DN06/08	DN06/08 NPT1/4"	PP
1A400MN4314PV	DN06/08	DN06/08	DN06/08 NPT1/4"	PVDF
1A400MN4318PP	DN06/08	DN06/08	DN06/08 NPT1/8"	PP
1A400MN4318PV	DN06/08	DN06/08	DN06/08 NPT1/8"	PVDF
1A400MN4338PP	DN06/08	DN06/08	DN06/08 NPT3/8"	PP
1A400MN4338PV	DN06/08	DN06/08	DN06/08 NPT3/8"	PVDF
1A400MN4412PP	DN06/10	DN06/10	DN06/10 NPT1/2"	PP
1A400MN4412PV	DN06/10	DN06/10	DN06/10 NPT1/2"	PVDF
1A400MN4414PP	DN06/10	DN06/10	DN06/10 NPT1/4"	PP
1A400MN4414PV	DN06/10	DN06/10	DN06/10 NPT1/4"	PVDF
1A400MN4418PP	DN06/10	DN06/10	DN06/10 NPT1/8"	PP
1A400MN4418PV	DN06/10	DN06/10	DN06/10 NPT1/8"	PVDF
1A400MN4438PP	DN06/10	DN06/10	DN06/10 NPT3/8"	PP
1A400MN4438PV	DN06/10	DN06/10	DN06/10 NPT3/8"	PVDF
1A400MN4512PP	DN08/10	DN08/10	DN08/10 NPT1/2"	PP
1A400MN4512PV	DN08/10	DN08/10	DN08/10 NPT1/2"	PVDF
1A400MN4514PP	DN08/10	DN08/10	DN08/10 NPT1/4"	PP
1A400MN4514PV	DN08/10	DN08/10	DN08/10 NPT1/4"	PVDF
1A400MN4518PP	DN08/10	DN08/10	DN08/10 NPT1/8"	PP
1A400MN4518PV	DN08/10	DN08/10	DN08/10 NPT1/8"	PVDF
1A400MN4538PP	DN08/10	DN08/10	DN08/10 NPT3/8"	PP
1A400MN4538PV	DN08/10	DN08/10	DN08/10 NPT3/8"	PVDF
1A400MN4612PP	DN08/12	DN08/12	DN08/12 NPT1/2"	PP
1A400MN4612PV	DN08/12	DN08/12	DN08/12 NPT1/2"	PVDF
1A400MN4614PP	DN08/12	DN08/12	DN08/12 NPT1/4"	PP
1A400MN4614PV	DN08/12	DN08/12	DN08/12 NPT1/4"	PVDF
1A400MN4618PP	DN08/12	DN08/12	DN08/12 NPT1/8"	PP
1A400MN4618PV	DN08/12	DN08/12	DN08/12 NPT1/8"	PVDF

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Cross connector for flexible tube (Series 1A) with male NPT-thread

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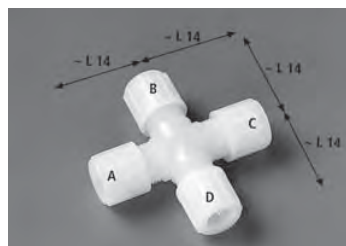
Article-Nr	Connection A	Connection B	Connection C Connection D	Material
1A400MN4638PP	DN08/12	DN08/12	DN08/12 NPT3/8"	PP
1A400MN4638PV	DN08/12	DN08/12	DN08/12 NPT3/8"	PVDF
1A400MN4812PP	DN10/12	DN10/12	DN10/12 NPT1/2"	PP
1A400MN4812PV	DN10/12	DN10/12	DN10/12 NPT1/2"	PVDF
1A400MN4814PP	DN10/12	DN10/12	DN10/12 NPT1/4"	PP
1A400MN4814PV	DN10/12	DN10/12	DN10/12 NPT1/4"	PVDF
1A400MN4838PP	DN10/12	DN10/12	DN10/12 NPT3/8"	PP
1A400MN4838PV	DN10/12	DN10/12	DN10/12 NPT3/8"	PVDF
1A400MN4912PP	DN10/14	DN10/14	DN10/14 NPT1/2"	PP
1A400MN4912PV	DN10/14	DN10/14	DN10/14 NPT1/2"	PVDF
1A400MN4914PP	DN10/14	DN10/14	DN10/14 NPT1/4"	PP
1A400MN4914PV	DN10/14	DN10/14	DN10/14 NPT1/4"	PVDF
1A400MN4938PP	DN10/14	DN10/14	DN10/14 NPT3/8"	PP
1A400MN4938PV	DN10/14	DN10/14	DN10/14 NPT3/8"	PVDF
1A400MN5112PP	DN12/14	DN12/14	DN12/14 NPT1/2"	PP
1A400MN5112PV	DN12/14	DN12/14	DN12/14 NPT1/2"	PVDF
1A400MN5138PP	DN12/14	DN12/14	DN12/14 NPT3/8"	PP
1A400MN5138PV	DN12/14	DN12/14	DN12/14 NPT3/8"	PVDF

Dimensions 1A400MN... , 1C400MN...

A(DN)	B(DN)	C(DN)	D(NPT)	l3	~L16	~L17
4/6	4/6	4/6	1/8"	10	22	26
4/6	4/6	4/6	1/4"	15	30	29
4/6	4/6	4/6	3/8"	15,3	30	29
4/6	4/6	4/6	1/2"	20	40	32
6/8	6/8	6/8	1/8"	10	25	33
6/8	6/8	6/8	1/4"	15	30	33
6/8	6/8	6/8	3/8"	15,3	30	33
6/8	6/8	6/8	1/2"	20	40	36
6/10	6/10	6/10	1/8"	10	28	36
6/10	6/10	6/10	1/4"	15	33	36
6/10	6/10	6/10	3/8"	15,3	33	36
6/10	6/10	6/10	1/2"	20	40	39
8/10	8/10	8/10	1/4"	15	33	36
8/10	8/10	8/10	3/8"	15,3	33	36
8/10	8/10	8/10	1/2"	20	40	39
8/12	8/12	8/12	1/4"	15	35	40
8/12	8/12	8/12	3/8"	15,3	35	40
8/12	8/12	8/12	1/2"	20	40	43
10/12	10/12	10/12	1/4"	15	35	40
10/12	10/12	10/12	3/8"	15,3	35	40
10/12	10/12	10/12	1/2"	20	40	43
10/14	10/14	10/14	3/8"	15,3	37	48
10/14	10/14	10/14	1/2"	20	42	48
12/14	12/14	12/14	3/8"	15,3	37	48
12/14	12/14	12/14	1/2"	20	42	48

Cross union for flexible tube on all ends (Series 1A)

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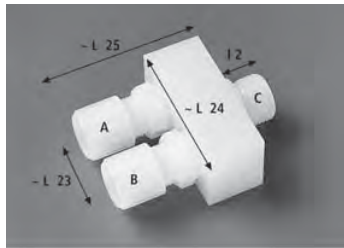
Article-Nr	Connection A	Connection B	Connection C Connection D	Material
1A400T0610PV	DN1/4"	DN1/4"	DN1/4" DN1/4"	PVDF
1A400T1103PP	DN3/8"	DN3/8"	DN1/4" DN1/4"	PP
1A400T11PP	DN3/8"	DN3/8"	DN3/8" DN3/8"	PP
1A400T1511PP	DN1/2"	DN1/2"	DN3/8" DN3/8"	PP
1A400T15PP	DN1/2"	DN1/2"	DN1/2" DN1/2"	PP
1A400T40PP	DN04/06	DN04/06	DN04/06 DN04/06	PP
1A400T40PV	DN04/06	DN04/06	DN04/06 DN04/06	PVDF
1A400T43434040PV	DN06/08	DN06/08	DN04/06 DN04/06	PVDF
1A400T43PP	DN06/08	DN06/08	DN06/08 DN06/08	PP
1A400T43PV	DN06/08	DN06/08	DN06/08 DN06/08	PVDF
1A400T44PP	DN06/10	DN06/10	DN06/10 DN06/10	PP
1A400T44PV	DN06/10	DN06/10	DN06/10 DN06/10	PVDF
1A400T45434543PN	DN08/10	DN06/08	DN08/10 DN06/08	PP-NATUR
1A400T45PP	DN08/10	DN08/10	DN08/10 DN08/10	PP
1A400T45PV	DN08/10	DN08/10	DN08/10 DN08/10	PVDF
1A400T46PP	DN08/12	DN08/12	DN08/12 DN08/12	PP
1A400T46PV	DN08/12	DN08/12	DN08/12 DN08/12	PVDF
1A400T48454845PP	DN10/12	DN08/10	DN10/12 DN08/10	PP
1A400T48PP	DN10/12	DN10/12	DN10/12 DN10/12	PP
1A400T48PV	DN10/12	DN10/12	DN10/12 DN10/12	PVDF
1A400T49PP	DN10/14	DN10/14	DN10/14 DN10/14	PP
1A400T49PV	DN10/14	DN10/14	DN10/14 DN10/14	PVDF
1A400T51PP	DN12/14	DN12/14	DN12/14 DN12/14	PP
1A400T51PV	DN12/14	DN12/14	DN12/14 DN12/14	PVDF
1A400T52PP	DN12/16	DN12/16	DN12/16 DN12/16	PP
1A400T52PV	DN12/16	DN12/16	DN12/16 DN12/16	PVDF
1A400T53PP	DN14/16	DN14/16	DN14/16 DN14/16	PP
1A400T53PV	DN14/16	DN14/16	DN14/16 DN14/16	PVDF

Dimensions 1A400T... , 1C400T...

A(DN)	B(DN)	C(DN)	D(DN)	~L14
4/6	4/6	4/6	4/6	25
6/8	6/8	6/8	6/8	33
6/10	6/10	6/10	6/10	36
8/10	8/10	8/10	8/10	36
8/12	8/12	8/12	8/12	43
10/12	10/12	10/12	10/12	43
10/14	10/14	10/14	10/14	48
12/14	12/14	12/14	12/14	48

Fork connector for flexible tube (Series 1A) with male G-thread

1



Article-Nr	Connection A	Connection B	Connection C	Material
1A500MG4012PP	DN04/06	DN04/06	G1/2"	PP
1A500MG4012PV	DN04/06	DN04/06	G1/2"	PVDF
1A500MG4014PP	DN04/06	DN04/06	G1/4"	PP
1A500MG4014PV	DN04/06	DN04/06	G1/4"	PVDF
1A500MG4018PP	DN04/06	DN04/06	G1/8"	PP
1A500MG4018PV	DN04/06	DN04/06	G1/8"	PVDF
1A500MG4038PP	DN04/06	DN04/06	G3/8"	PP
1A500MG4038PV	DN04/06	DN04/06	G3/8"	PVDF
1A500MG4212PV	DN05/08	DN05/08	G1/2"	PVDF
1A500MG4312PP	DN06/08	DN06/08	G1/2"	PP
1A500MG4312PPEP	DN06/08	DN06/08	G1/2"	PP/EPDM
1A500MG4312PV	DN06/08	DN06/08	G1/2"	PVDF
1A500MG4314PP	DN06/08	DN06/08	G1/4"	PP
1A500MG4314PV	DN06/08	DN06/08	G1/4"	PVDF
1A500MG4318PP	DN06/08	DN06/08	G1/8"	PP
1A500MG4318PV	DN06/08	DN06/08	G1/8"	PVDF
1A500MG4338PP	DN06/08	DN06/08	G3/8"	PP
1A500MG4338PV	DN06/08	DN06/08	G3/8"	PVDF
1A500MG4412PP	DN06/10	DN06/10	G1/2"	PP
1A500MG4412PV	DN06/10	DN06/10	G1/2"	PVDF
1A500MG4414PAEP	DN06/10	DN06/10	G1/4"	PA/EPDM
1A500MG4414PP	DN06/10	DN06/10	G1/4"	PP
1A500MG4414PV	DN06/10	DN06/10	G1/4"	PVDF
1A500MG4418PP	DN06/10	DN06/10	G1/8"	PP
1A500MG4418PV	DN06/10	DN06/10	G1/8"	PVDF
1A500MG4438PP	DN06/10	DN06/10	G3/8"	PP
1A500MG4438PV	DN06/10	DN06/10	G3/8"	PVDF
1A500MG4512PP	DN08/10	DN08/10	G1/2"	PP
1A500MG4512PV	DN08/10	DN08/10	G1/2"	PVDF
1A500MG4514PP	DN08/10	DN08/10	G1/4"	PP
1A500MG4514PV	DN08/10	DN08/10	G1/4"	PVDF
1A500MG4518PP	DN08/10	DN08/10	G1/8"	PP
1A500MG4518PV	DN08/10	DN08/10	G1/8"	PVDF
1A500MG4538PP	DN08/10	DN08/10	G3/8"	PP
1A500MG4538PV	DN08/10	DN08/10	G3/8"	PVDF
1A500MG4612PP	DN08/12	DN08/12	G1/2"	PP
1A500MG4612PV	DN08/12	DN08/12	G1/2"	PVDF
1A500MG4614PP	DN08/12	DN08/12	G1/4"	PP
1A500MG4614PV	DN08/12	DN08/12	G1/4"	PVDF
1A500MG4638PP	DN08/12	DN08/12	G3/8"	PP
1A500MG4638PV	DN08/12	DN08/12	G3/8"	PVDF
1A500MG4712PV	DN09/12	DN09/12	G1/2"	PVDF
1A500MG4812PP	DN10/12	DN10/12	G1/2"	PP
1A500MG4812PV	DN10/12	DN10/12	G1/2"	PVDF
1A500MG4814PP	DN10/12	DN10/12	G1/4"	PP
1A500MG4814PV	DN10/12	DN10/12	G1/4"	PVDF
1A500MG4838PP	DN10/12	DN10/12	G3/8"	PP
1A500MG4838PV	DN10/12	DN10/12	G3/8"	PVDF
1A500MG4912PP	DN10/14	DN10/14	G1/2"	PP
1A500MG4912PV	DN10/14	DN10/14	G1/2"	PVDF
1A500MG4914PP	DN10/14	DN10/14	G1/4"	PP
1A500MG4938PP	DN10/14	DN10/14	G3/8"	PP
1A500MG4938PV	DN10/14	DN10/14	G3/8"	PVDF
1A500MG5112PP	DN12/14	DN12/14	G1/2"	PP
1A500MG5112PV	DN12/14	DN12/14	G1/2"	PVDF
1A500MG5138PP	DN12/14	DN12/14	G3/8"	PP
1A500MG5138PV	DN12/14	DN12/14	G3/8"	PVDF
1A500MG5214PP	DN12/16	DN12/16	G1/4"	PP

Dimensions 1A500MG... , 1C500MG...

A-B(DN)	C(G)	I2	L23	~L24	~L25
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Fork connector for flexible tube (Series 1A) with male G-thread

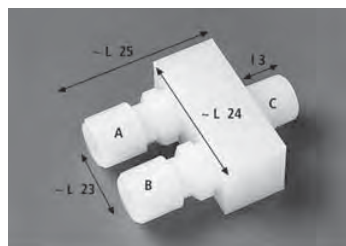
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A-B(DN)		C(G)	I2	L23	~L24	~L25	
4/6	1/6"/1/4"	1/8"	8	20	40	43	
4/6	1/6"/1/4"	1/4"	12	20	40	43	
4/6	1/6"/1/4"	3/8"	12	20	40	43	
4/6	1/6"/1/4"	1/2"	14	20	40	43	
6/8		1/8"	8	25	50	54.5	
6/8		1/4"	12	25	50	54.5	
6/8		3/8"	12	25	50	54.5	
6/8		1/2"	14	25	50	54.5	
6/10	8/10	1/4"/3/8"	1/4"	12	25	50	58.5
6/10	8/10	1/4"/3/8"	3/8"	12	25	50	58.5
6/10	8/10	1/4"/3/8"	1/2"	14	25	50	58.5
8/12	10/12	3/8"/1/2"	1/4"	12	28	63	63
8/12	10/12	3/8"/1/2"	3/8"	12	28	63	63
8/12	10/12	3/8"/1/2"	1/2"	14	28	63	63
10/14	12/14		1/4"	12	32	65	72
10/14	12/14		3/8"	12	32	65	72
10/14	12/14		1/2"	14	32	65	72

* for connections in inch add 2 mm per side

Fork connector for flexible tube (Series 1A) with male NPT-thread

1



Article-Nr	Connection A	Connection B	Connection C	Material
1A500MN0512PP	DN1/6"/1/4"	DN1/6"/1/4"	NPT1/2"	PP
1A500MN4012PP	DN04/06	DN04/06	NPT1/2"	PP
1A500MN4012PV	DN04/06	DN04/06	NPT1/2"	PVDF
1A500MN4014PP	DN04/06	DN04/06	NPT1/4"	PP
1A500MN4014PV	DN04/06	DN04/06	NPT1/4"	PVDF
1A500MN4018PP	DN04/06	DN04/06	NPT1/8"	PP
1A500MN4018PV	DN04/06	DN04/06	NPT1/8"	PVDF
1A500MN4038PP	DN04/06	DN04/06	NPT3/8"	PP
1A500MN4038PV	DN04/06	DN04/06	NPT3/8"	PVDF
1A500MN4312PP	DN06/08	DN06/08	NPT1/2"	PP
1A500MN4312PV	DN06/08	DN06/08	NPT1/2"	PVDF
1A500MN4314PP	DN06/08	DN06/08	NPT1/4"	PP
1A500MN4314PV	DN06/08	DN06/08	NPT1/4"	PVDF
1A500MN4318PP	DN06/08	DN06/08	NPT1/8"	PP
1A500MN4318PV	DN06/08	DN06/08	NPT1/8"	PVDF
1A500MN4338PP	DN06/08	DN06/08	NPT3/8"	PP
1A500MN4338PV	DN06/08	DN06/08	NPT3/8"	PVDF
1A500MN4412PP	DN06/10	DN06/10	NPT1/2"	PP
1A500MN4412PV	DN06/10	DN06/10	NPT1/2"	PVDF
1A500MN4418PP	DN06/10	DN06/10	NPT1/8"	PP
1A500MN4418PV	DN06/10	DN06/10	NPT1/8"	PVDF
1A500MN4438PP	DN06/10	DN06/10	NPT3/8"	PP
1A500MN4438PV	DN06/10	DN06/10	NPT3/8"	PVDF
1A500MN4512PP	DN08/10	DN08/10	NPT1/2"	PP
1A500MN4512PV	DN08/10	DN08/10	NPT1/2"	PVDF
1A500MN4514PP	DN08/10	DN08/10	NPT1/4"	PP
1A500MN4514PV	DN08/10	DN08/10	NPT1/4"	PVDF
1A500MN4518PP	DN08/10	DN08/10	NPT1/8"	PP
1A500MN4518PV	DN08/10	DN08/10	NPT1/8"	PVDF
1A500MN4538PP	DN08/10	DN08/10	NPT3/8"	PP
1A500MN4538PV	DN08/10	DN08/10	NPT3/8"	PVDF
1A500MN4612PP	DN08/12	DN08/12	NPT1/2"	PP
1A500MN4612PV	DN08/12	DN08/12	NPT1/2"	PVDF
1A500MN4614PP	DN08/12	DN08/12	NPT1/4"	PP
1A500MN4614PV	DN08/12	DN08/12	NPT1/4"	PVDF
1A500MN4638PP	DN08/12	DN08/12	NPT3/8"	PP
1A500MN4638PV	DN08/12	DN08/12	NPT3/8"	PVDF
1A500MN4812PP	DN10/12	DN10/12	NPT1/2"	PP
1A500MN4812PV	DN10/12	DN10/12	NPT1/2"	PVDF
1A500MN4814PP	DN10/12	DN10/12	NPT1/4"	PP
1A500MN4814PV	DN10/12	DN10/12	NPT1/4"	PVDF
1A500MN4838PP	DN10/12	DN10/12	NPT3/8"	PP
1A500MN4838PV	DN10/12	DN10/12	NPT3/8"	PVDF

Dimensions 1A500MN... , 1C500MN...

A-B(DN)	C(NPT)	I3	L23	L24	~L25*	
4/6	1/6"/1/4"	1/8"	10	20	40	43
4/6	1/6"/1/4"	1/4"	15	20	40	43
4/6	1/6"/1/4"	3/8"	15.3	20	40	43
4/6	1/6"/1/4"	1/2"	20	20	40	43
6/8	1/8"	1/8"	10	25	50	54.5
6/8	1/4"	1/4"	15	25	50	54.5
6/8	3/8"	3/8"	15.3	25	50	54.5
6/8	1/2"	1/2"	20	25	50	54.5
6/10	1/8"	1/8"	10	25	50	58.5
6/10	8/10 1/4"/3/8"	1/4"	15	25	50	58.5
6/10	8/10 1/4"/3/8"	3/8"	15.3	25	50	58.5
6/10	8/10 1/4"/3/8"	1/2"	20	25	50	58.5
8/12	10/12 3/8"/1/2"	1/4"	15	28	63	63
8/12	10/12 3/8"/1/2"	3/8"	15.3	28	63	63
8/12	10/12 3/8"/1/2"	1/2"	20	28	65	63

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Fork connector for flexible tube (Series 1A) with male NPT-thread

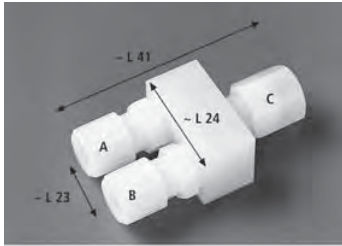
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	A-B(DN)	C(NPT)	I3	L23	L24	~L25*
10/14	12/14	1/4"	15	32	65	72
10/14	12/14	3/8"	15.3	32	65	72
10/14	12/14	1/2"	20	32	65	72

* for connections in inch add 2 mm per side

Fork union for flexible tube (Series 1A) with connection for pipe (Series 2N)

1



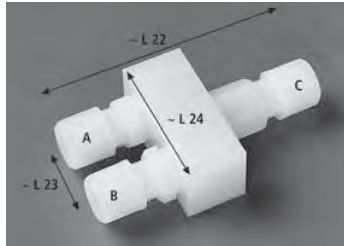
Article-Nr	Connection A	Connection B	Connection C	Material
1A500P40PP	DN04/06	DN04/06	D06	PP
1A500P40PV	DN04/06	DN04/06	D06	PVDF
1A500P4345PP	DN06/08	DN06/08	D10	PP
1A500P43PP	DN06/08	DN06/08	D08	PP
1A500P43PV	DN06/08	DN06/08	D08	PVDF
1A500P44PP	DN06/10	DN06/10	D10	PP
1A500P4657PV	DN08/12	DN08/12	D20	PVDF
1A500P48PP	DN10/12	DN10/12	D12	PP
1A500P4945PP	DN10/14	DN10/14	D10	PP
1A500P51PP	DN12/14	DN12/14	D14	PP

Dimensions 1A500P . . . , 1C500P . . .

A-B(DN)	C(D)	L23	L24	~L41
4/6	6	20	35	68.5
6/8	8	25	45	81
6/10	8/10	10	25	45
8/12	10/12	12	28	53
10/14	12/14	14	30	55

Fork union for flexible tube on all ends (Series 1A)

1



Article-Nr	Connection A	Connection B	Connection C	Material
1A500T05PP	DN1/6"/1/4"	DN1/6"/1/4"	DN1/6"/1/4"	PP
1A500T05PV	DN1/6"/1/4"	DN1/6"/1/4"	DN1/6"/1/4"	PVDF
1A500T404043PP	DN04/06	DN04/06	DN06/08	PP
1A500T404043PV	DN04/06	DN04/06	DN06/08	PVDF
1A500T404045PP	DN04/06	DN04/06	DN08/10	PP
1A500T404046PV	DN04/06	DN04/06	DN08/12	PVDF
1A500T404048PV	DN04/06	DN04/06	DN10/12	PVDF
1A500T4043PV	DN04/06	DN04/06	DN06/08	PVDF
1A500T40PP	DN04/06	DN04/06	DN04/06	PP
1A500T40PV	DN04/06	DN04/06	DN04/06	PVDF
1A500T434040PP	DN06/08	DN04/06	DN04/06	PP
1A500T434040PV	DN06/08	DN04/06	DN04/06	PVDF
1A500T434340PP	DN06/08	DN06/08	DN04/06	PP
1A500T434345PP	DN06/08	DN06/08	DN08/10	PP
1A500T434345PV	DN06/08	DN06/08	DN08/10	PVDF
1A500T43PP	DN06/08	DN06/08	DN06/08	PP
1A500T43PV	DN06/08	DN06/08	DN06/08	PVDF
1A500T44PP	DN06/10	DN06/10	DN06/10	PP
1A500T44PV	DN06/10	DN06/10	DN06/10	PVDF
1A500T454540PP	DN08/10	DN08/10	DN04/06	PP
1A500T45PP	DN08/10	DN08/10	DN08/10	PP
1A500T45PV	DN08/10	DN08/10	DN08/10	PVDF
1A500T464649PP	DN08/12	DN08/12	DN10/14	PP
1A500T46PP	DN08/12	DN08/12	DN08/12	PP
1A500T46PV	DN08/12	DN08/12	DN08/12	PVDF
1A500T48PP	DN10/12	DN10/12	DN10/12	PP
1A500T48PV	DN10/12	DN10/12	DN10/12	PVDF
1A500T49PP	DN10/14	DN10/14	DN10/14	PP
1A500T49PV	DN10/14	DN10/14	DN10/14	PVDF
1A500T51PP	DN12/14	DN12/14	DN12/14	PP
1A500T51PV	DN12/14	DN12/14	DN12/14	PVDF
1A500T555551PV	DN16/18	DN16/18	DN12/14	PVDF

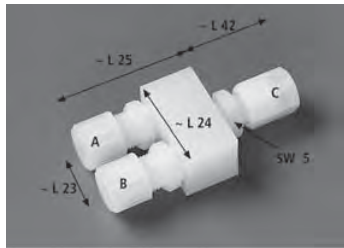
Dimensions 1A500T... , 1C500T...

	A-B-C(DN)	~L22	L23	L24
4/6	1/6"-1/4"	65.5	20	40
6/8		82	25	50
6/10	8/10	89	25	50
8/12	10/12	98	28	63
10/14	12/14	112	32	65

* for connections in inch add 2 mm per side

Fork bulkhead connector for flexible tube (Series 1A) with connection for pipe (Series 2N)

1



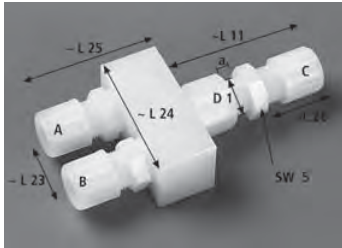
Article-Nr	Connection A	Connection B	Connection C	Material
1A501P40PP	DN04/06	DN04/06	D06	PP
1A501P40PV	DN04/06	DN04/06	D06	PVDF
1A501P43PP	DN06/08	DN06/08	D08	PP
1A501P45PP	DN08/10	DN08/10	D10	PP

Dimensions 1A501P... , 1C501P...

A(DN)	B(DN)	C(D)	L23	L24	~L25	~L42	SW5
4/6	4/6	6	20	40	43	42	17
6/8	6/8	8	25	50	54.5	42	19
8/10	8/10	10	25	50	58.5	47	22
8/12	8/12	12	28	63	63	53	24
10/12	10/12	12	28	63	63	53	24
10/14	10/14	14	32	65	72	57	27
12/14	12/14	14	32	65	72	57	27

Fork bulkhead union for flexible tube on all ends (Series 1A)

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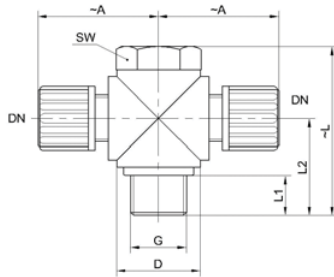
Article-Nr	Connection A	Connection B	Connection C	Material
1A501T404043PP	DN04/06	DN04/06	DN06/08	PP
1A501T40PP	DN04/06	DN04/06	DN04/06	PP
1A501T40PV	DN04/06	DN04/06	DN04/06	PVDF
1A501T42PP	DN05/08	DN05/08	DN05/08	PP
1A501T434040PP	DN06/08	DN04/06	DN04/06	PP
1A501T43PP	DN06/08	DN06/08	DN06/08	PP
1A501T43PV	DN06/08	DN06/08	DN06/08	PVDF
1A501T44PP	DN06/10	DN06/10	DN06/10	PP
1A501T44PV	DN06/10	DN06/10	DN06/10	PVDF
1A501T45PP	DN08/10	DN08/10	DN08/10	PP
1A501T45PV	DN08/10	DN08/10	DN08/10	PVDF
1A501T46PP	DN08/12	DN08/12	DN08/12	PP
1A501T46PV	DN08/12	DN08/12	DN08/12	PVDF
1A501T47PP	DN09/12	DN09/12	DN09/12	PP
1A501T48PP	DN10/12	DN10/12	DN10/12	PP
1A501T48PV	DN10/12	DN10/12	DN10/12	PVDF
1A501T49PP	DN10/14	DN10/14	DN10/14	PP
1A501T49PV	DN10/14	DN10/14	DN10/14	PVDF
1A501T51PP	DN12/14	DN12/14	DN12/14	PP
1A501T53PP	DN14/16	DN14/16	DN14/16	PP

Dimensions 1A501T... , 1C501T...

A(DN)	B(DN)	C(DN)	~L11	L23	~L24	~L25	~L26	SW 5	ØD1	a
4/6	4/6	4/6	45	20	40	43	17	14	10.5	9
6/8	6/8	6/8	51	25	50	54.5	21	19	14.5	9
6/10	6/10	6/10	56	25	50	58.5	24	22	16.5	10
8/10	8/10	8/10	56	25	50	58.5	24	22	16.5	10
8/12	8/12	8/12	68	28	63	63	28	24	18.5	12
10/12			68	28	63	63	28	24	18.5	12
	10/12	10/12								
10/14			76	32	65	72	33	27	20.5	14
	10/14	10/14								
12/14			76	32	65	72	33	27	20.5	14
	12/14	12/14								

T-swivel connector (COMPACT) for flexible tube (Series 1A) with male G-thread

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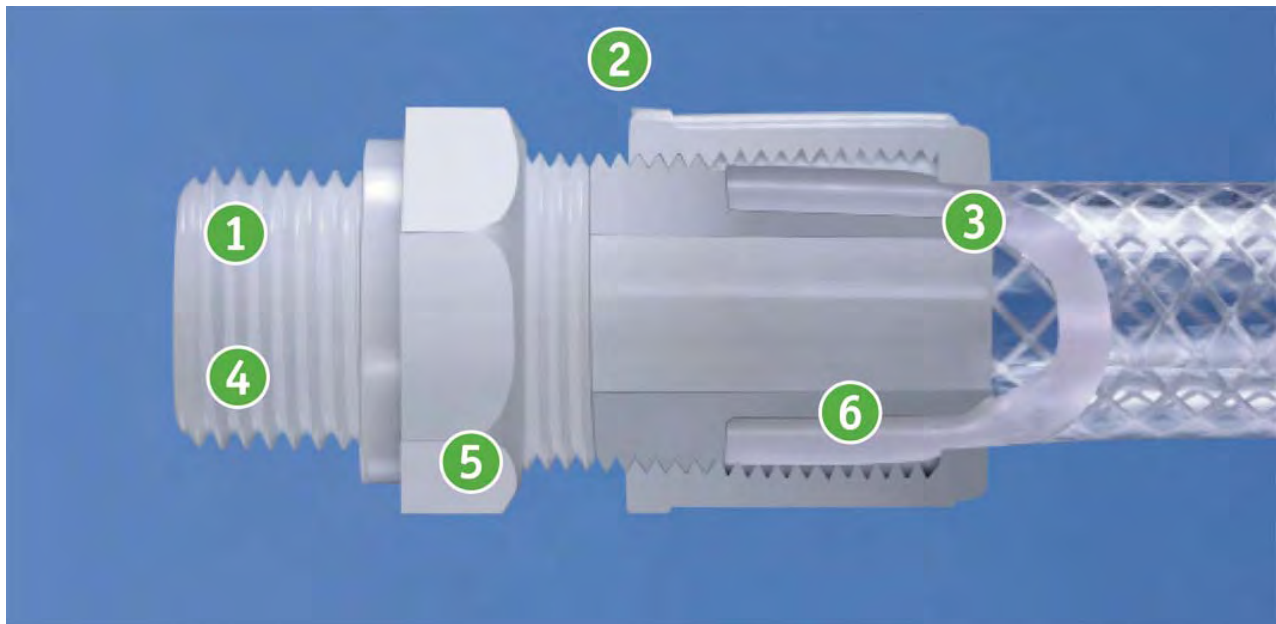
Article-Nr	Connection A	Connection B	Connection C	Material
1A370MG4014PPEP	DN04/06	DN04/06	G1/4"	PP/EPDM
1A370MG4014PVFP	DN04/06	DN04/06	G1/4"	PVDF/FPM
1A370MG4812PPFP	DN10/12	DN10/12	G1/2"	PP/FPM
1A370MG4812PVFP	DN10/12	DN10/12	G1/2"	PVDF/FPM

Technical data 1A270... , 1C270... , 1A370... , 1C370...

Pressure stage	PN 10
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Materials 1A270... , 1C270... , 1A370... , 1C370...

Body	PP	PVDF
Banjo screw	PP	PVDF
O-ring*	FPM	FPM

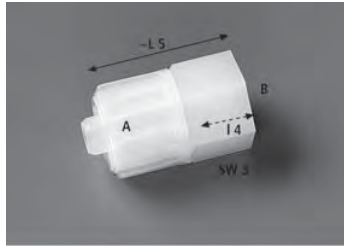


- 1) Thread manufactured according to DIN, USAS or JIS ⇒ Various connection options
- 2) Connector available in PA, PP, PVDF ⇒ High media resistance
- 3) Connector body with taper ⇒ Transitions without dead volumes
- 4) Thread manufactured without seam ⇒ High tightness, long term stability
- 5) Hexagon manufactured according to DIN
- 6) Connecting sleeve manufactured without seam ⇒ High tightness, long term stability

The connection principle used in the Series 1B from EM-TECHNIK entails widening the flexible tube e.g. a textile reinforced PVC tube, while pushing it onto an integrated connecting sleeve. The tube is secured in place by means of a knurled nut acting on the flexible tube and the connecting sleeve. Pressure tests have shown that this connection principle is easily able to withstand a pressure of up to 30 bar at a temperature of 20°C.

**Straight connector for flexible tube (Series 1B)
with female G-thread**

1



Article-Nr	Connection A	Connection B	Material
1B100FG4012PP	DN04/10	G1/2"	PP
1B100FG4014PV	DN04/10	G1/4"	PVDF
1B100FG4018PV	DN04/10	G1/8"	PVDF
1B100FG4038PP	DN04/10	G3/8"	PP
1B100FG4038PV	DN04/10	G3/8"	PVDF
1B100FG4218PP	DN05/11	G1/8"	PP
1B100FG4412PP	DN06/12	G1/2"	PP
1B100FG4412PV	DN06/12	G1/2"	PVDF
1B100FG4414PP	DN06/12	G1/4"	PP
1B100FG4414PV	DN06/12	G1/4"	PVDF
1B100FG4434PP	DN06/12	G3/4"	PP
1B100FG4438PP	DN06/12	G3/8"	PP
1B100FG4438PV	DN06/12	G3/8"	PVDF
1B100FG4458PP	DN06/12	G5/8"	PP
1B100FG4512PP	DN08/14	G1/2"	PP
1B100FG4512PV	DN08/14	G1/2"	PVDF
1B100FG4514PP	DN08/14	G1/4"	PP
1B100FG4534PP	DN08/14	G3/4"	PP
1B100FG4538PP	DN08/14	G3/8"	PP
1B100FG4538PV	DN08/14	G3/8"	PVDF
1B100FG47100PP	DN09/15	G1"	PP
1B100FG4712PP	DN09/15	G1/2"	PP
1B100FG4712PV	DN09/15	G1/2"	PVDF
1B100FG4714PV	DN09/15	G1/4"	PVDF
1B100FG4718PV	DN09/15	G1/8"	PVDF
1B100FG4734PP	DN09/15	G3/4"	PP
1B100FG4734PV	DN09/15	G3/4"	PVDF
1B100FG4738PP	DN09/15	G3/8"	PP
1B100FG4738PV	DN09/15	G3/8"	PVDF
1B100FG4912PP	DN10/16	G1/2"	PP
1B100FG4912PV	DN10/16	G1/2"	PVDF
1B100FG4914PP	DN10/16	G1/4"	PP
1B100FG4914PV	DN10/16	G1/4"	PVDF
1B100FG4934PP	DN10/16	G3/4"	PP
1B100FG4934PV	DN10/16	G3/4"	PVDF
1B100FG4938PP	DN10/16	G3/8"	PP
1B100FG4938PV	DN10/16	G3/8"	PVDF
1B100FG5212PP	DN12/18	G1/2"	PP
1B100FG5212PV	DN12/18	G1/2"	PVDF
1B100FG5214PP	DN12/18	G1/4"	PP
1B100FG5214PV	DN12/18	G1/4"	PVDF
1B100FG5234PPEL	DN12/18	G3/4"	PP- CONDUCTIVE
1B100FG5612PP	DN13/19	G1/2"	PP
1B100FG5612PV	DN13/19	G1/2"	PVDF
1B100FG5634PP	DN13/19	G3/4"	PP
1B100FG5634PV	DN13/19	G3/4"	PVDF
1B100FG5638PP	DN13/19	G3/8"	PP
1B100FG5712PV	DN13/20	G1/2"	PVDF

Dimensions 1B100FG...

A(DN)	B(G)	I4	~L5	SW3
4/10	1/8"	10	37	19
4/10	1/4"	15	42	19
4/10	3/8"	15	42	22
4/10	1/2"	16	44	27
5/11	1/8"	10	37	19
5/11	1/4"	15	42	19
5/11	3/8"	15	42	22
5/11	1/2"	16	45	27
6/12	1/8"	10	38	22

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**Straight connector for flexible tube (Series 1B)
with female G-thread**

1

A(DN)	B(G)	I4	-L5	SW3
6/12	1/4"	15	44	22
6/12	3/8"	15	44	22
6/12	1/2"	16	46	27
8/14	1/4"	15	46	22
8/14	3/8"	15	46	22
8/14	1/2"	16	47	27
8/14	3/4"	20	52	32
9/15	1/4"	15	49	27
9/15	3/8"	15	49	27
9/15	1/2"	16	50	27
9/15	3/4"	20	55	32
10/16	1/4"	15	51	27
10/16	3/8"	15	51	27
10/16	1/2"	16	52	27
10/16	3/4"	20	57	32
12/18	1/4"	15	54	27
12/18	3/8"	15	54	27
12/18	1/2"	16	55	27
12/18	3/4"	20	60	32
13/19	1/4"	15	51	27
13/19	3/8"	15	51	27
13/19	1/2"	16	52	27
13/19	3/4"	20	57	32
13/20	1/4"	15	57	32
13/20	3/8"	15	57	32
13/20	1/2"	16	57	32
13/20	3/4"	20	62	32

**Straight connector for flexible tube (Series 1B)
with male G-thread**

1



Article-Nr	Connection A	Connection B	Material
1B100MG4012PP	DN04/10	G1/2"	PP
1B100MG4012PPEP	DN04/10	G1/2"	PP/EPDM
1B100MG4012PV	DN04/10	G1/2"	PVDF
1B100MG4014PP	DN04/10	G1/4"	PP
1B100MG4014PPFP	DN04/10	G1/4"	PP/FPM
1B100MG4014PV	DN04/10	G1/4"	PVDF
1B100MG4018PP	DN04/10	G1/8"	PP
1B100MG4018PV	DN04/10	G1/8"	PVDF
1B100MG4034PP	DN04/10	G3/4"	PP
1B100MG4038PP	DN04/10	G3/8"	PP
1B100MG4038PV	DN04/10	G3/8"	PVDF
1B100MG4212PP	DN05/11	G1/2"	PP
1B100MG4212PV	DN05/11	G1/2"	PVDF
1B100MG4214PP	DN05/11	G1/4"	PP
1B100MG4214PV	DN05/11	G1/4"	PVDF
1B100MG4218PP	DN05/11	G1/8"	PP
1B100MG4218PV	DN05/11	G1/8"	PVDF
1B100MG4238PP	DN05/11	G3/8"	PP
1B100MG4238PV	DN05/11	G3/8"	PVDF
1B100MG4412PP	DN06/12	G1/2"	PP
1B100MG4412PV	DN06/12	G1/2"	PVDF
1B100MG4414PP	DN06/12	G1/4"	PP
1B100MG4414PPFP	DN06/12	G1/4"	PP/FPM
1B100MG4414PV	DN06/12	G1/4"	PVDF
1B100MG4418PP	DN06/12	G1/8"	PP
1B100MG4418PV	DN06/12	G1/8"	PVDF
1B100MG4434PP	DN06/12	G3/4"	PP
1B100MG4434PV	DN06/12	G3/4"	PVDF
1B100MG4438PP	DN06/12	G3/8"	PP
1B100MG4438PV	DN06/12	G3/8"	PVDF
1B100MG4512PP	DN08/14	G1/2"	PP
1B100MG4512PPEP	DN08/14	G1/2"	PP/EPDM
1B100MG4512PV	DN08/14	G1/2"	PVDF
1B100MG4514PP	DN08/14	G1/4"	PP
1B100MG4514PPEP	DN08/14	G1/4"	PP/EPDM
1B100MG4514PV	DN08/14	G1/4"	PVDF
1B100MG4518PP	DN08/14	G1/8"	PP
1B100MG4518PV	DN08/14	G1/8"	PVDF
1B100MG4534PP	DN08/14	G3/4"	PP
1B100MG4538PP	DN08/14	G3/8"	PP
1B100MG4538PV	DN08/14	G3/8"	PVDF
1B100MG4712PP	DN09/15	G1/2"	PP
1B100MG4712PV	DN09/15	G1/2"	PVDF
1B100MG4714PP	DN09/15	G1/4"	PP
1B100MG4714PV	DN09/15	G1/4"	PVDF
1B100MG4718PP	DN09/15	G1/8"	PP
1B100MG4718PV	DN09/15	G1/8"	PVDF
1B100MG4734PP	DN09/15	G3/4"	PP
1B100MG4734PV	DN09/15	G3/4"	PVDF
1B100MG4738PP	DN09/15	G3/8"	PP
1B100MG4738PV	DN09/15	G3/8"	PVDF
1B100MG4912PF	DN10/16	G1/2"	PFA
1B100MG4912PP	DN10/16	G1/2"	PP
1B100MG4912PPEP	DN10/16	G1/2"	PP/EPDM
1B100MG4912PV	DN10/16	G1/2"	PVDF
1B100MG4912PVFP	DN10/16	G1/2"	PVDF/FPM
1B100MG4914PP	DN10/16	G1/4"	PP
1B100MG4914PPEP	DN10/16	G1/4"	PP/EPDM
1B100MG4914PV	DN10/16	G1/4"	PVDF
1B100MG4914PVFP	DN10/16	G1/4"	PVDF/FPM
1B100MG4918PP	DN10/16	G1/8"	PP
1B100MG4918PV	DN10/16	G1/8"	PVDF

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**Straight connector for flexible tube (Series 1B)
with male G-thread**

1

Article-Nr	Connection A	Connection B	Material
1B100MG4934PP	DN10/16	G3/4"	PP
1B100MG4934PV	DN10/16	G3/4"	PVDF
1B100MG4938PP	DN10/16	G3/8"	PP
1B100MG4938PV	DN10/16	G3/8"	PVDF
1B100MG5212PP	DN12/18	G1/2"	PP
1B100MG5212PV	DN12/18	G1/2"	PVDF
1B100MG5214PP	DN12/18	G1/4"	PP
1B100MG5214PV	DN12/18	G1/4"	PVDF
1B100MG5234PP	DN12/18	G3/4"	PP
1B100MG5234PV	DN12/18	G3/4"	PVDF
1B100MG5238PP	DN12/18	G3/8"	PP
1B100MG5238PV	DN12/18	G3/8"	PVDF
1B100MG5412PP	DN12/21	G1/2"	PP
1B100MG5414PV	DN12/21	G1/4"	PVDF
1B100MG5434PP	DN12/21	G3/4"	PP
1B100MG5438PP	DN12/21	G3/8"	PP
1B100MG5438PV	DN12/21	G3/8"	PVDF
1B100MG5612PP	DN13/19	G1/2"	PP
1B100MG5612PPEP	DN13/19	G1/2"	PP/EPDM
1B100MG5612PV	DN13/19	G1/2"	PVDF
1B100MG5614PP	DN13/19	G1/4"	PP
1B100MG5614PV	DN13/19	G1/4"	PVDF
1B100MG5634PP	DN13/19	G3/4"	PP
1B100MG5634PV	DN13/19	G3/4"	PVDF
1B100MG5638PP	DN13/19	G3/8"	PP
1B100MG5638PV	DN13/19	G3/8"	PVDF
1B100MG5712PP	DN13/20	G1/2"	PP
1B100MG5712PV	DN13/20	G1/2"	PVDF
1B100MG5714PV	DN13/20	G1/4"	PVDF
1B100MG5718PV	DN13/20	G1/8"	PVDF
1B100MG5734PP	DN13/20	G3/4"	PP
1B100MG5734PV	DN13/20	G3/4"	PVDF
1B100MG5738PP	DN13/20	G3/8"	PP
1B100MG5738PV	DN13/20	G3/8"	PVDF
1B100MG5912PP	DN16/22	G1/2"	PP
1B100MG5912PV	DN16/22	G1/2"	PVDF
1B100MG5934PV	DN16/22	G3/4"	PVDF
1B100MG6212PP	DN19/27	G1/2"	PP
1B100MG6212PV	DN19/27	G1/2"	PVDF
1B100MG6234PP	DN19/27	G3/4"	PP

Dimensions 1B100MG. . .

A(DN)	B(G)	l2	~L3	SW3
4/10	1/8"	8	32,5	19
4/10	1/4"	12	33	19
4/10	3/8"	12	33,5	22
4/10	1/2"	14	36	27
5/11	1/8"	8	32,5	19
5/11	1/4"	12	33	19
5/11	3/8"	12	33,5	22
5/11	1/2"	14	36	27
6/12	1/8"	8	33,5	22
6/12	1/4"	12	34	22
6/12	3/8"	12	34,5	22
6/12	1/2"	14	37	27
8/14	1/4"	12	36	22
8/14	3/8"	12	36,5	24
8/14	1/2"	14	39	27
8/14	3/4"	16	44	36
9/15	1/4"	12	40	27
9/15	3/8"	12	40,5	27

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**Straight connector for flexible tube (Series 1B)
with male G-thread**

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A(DN)	B(G)	l2	~L3	SW3
9/15	1/2"	14	41	27
9/15	3/4"	16	48	36
10/16	1/4"	12	43	27
10/16	3/8"	12	43,5	27
10/16	1/2"	14	44	27
10/16	3/4"	16	51	36
12/18	1/4"	12	46	27
12/18	3/8"	12	46,5	27
12/18	1/2"	14	47	27
12/18	3/4"	16	54	36
13/19	1/4"	12	43	27
13/19	3/8"	12	43,5	27
13/19	1/2"	14	44	27
13/19	3/4"	16	51	36
13/20	1/4"	12	51,5	32
13/20	3/8"	12	51,5	32
13/20	1/2"	14	52	32
13/20	3/4"	16	56	36

**Straight connector for flexible tube (Series 1B)
with male NPT-thread**

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Article-Nr	Connection A	Connection B	Material
1B100MN4012PP	DN04/10	NPT1/2"	PP
1B100MN4012PV	DN04/10	NPT1/2"	PVDF
1B100MN4014PP	DN04/10	NPT1/4"	PP
1B100MN4014PV	DN04/10	NPT1/4"	PVDF
1B100MN4018PP	DN04/10	NPT1/8"	PP
1B100MN4018PV	DN04/10	NPT1/8"	PVDF
1B100MN4038PP	DN04/10	NPT3/8"	PP
1B100MN4038PV	DN04/10	NPT3/8"	PVDF
1B100MN4212PP	DN05/11	NPT1/2"	PP
1B100MN4212PV	DN05/11	NPT1/2"	PVDF
1B100MN4214PP	DN05/11	NPT1/4"	PP
1B100MN4214PV	DN05/11	NPT1/4"	PVDF
1B100MN4218PP	DN05/11	NPT1/8"	PP
1B100MN4218PV	DN05/11	NPT1/8"	PVDF
1B100MN4238PP	DN05/11	NPT3/8"	PP
1B100MN4238PV	DN05/11	NPT3/8"	PVDF
1B100MN4412PP	DN06/12	NPT1/2"	PP
1B100MN4412PV	DN06/12	NPT1/2"	PVDF
1B100MN4414PP	DN06/12	NPT1/4"	PP
1B100MN4414PV	DN06/12	NPT1/4"	PVDF
1B100MN4418PP	DN06/12	NPT1/8"	PP
1B100MN4418PV	DN06/12	NPT1/8"	PVDF
1B100MN4438PP	DN06/12	NPT3/8"	PP
1B100MN4438PV	DN06/12	NPT3/8"	PVDF
1B100MN4512PP	DN08/14	NPT1/2"	PP
1B100MN4512PV	DN08/14	NPT1/2"	PVDF
1B100MN4514PP	DN08/14	NPT1/4"	PP
1B100MN4514PV	DN08/14	NPT1/4"	PVDF
1B100MN4518PP	DN08/14	NPT1/8"	PP
1B100MN4518PV	DN08/14	NPT1/8"	PVDF
1B100MN4534PP	DN08/14	NPT3/4"	PP
1B100MN4538PP	DN08/14	NPT3/8"	PP
1B100MN4538PV	DN08/14	NPT3/8"	PVDF
1B100MN4712PP	DN09/15	NPT1/2"	PP
1B100MN4712PV	DN09/15	NPT1/2"	PVDF
1B100MN4714PP	DN09/15	NPT1/4"	PP
1B100MN4714PV	DN09/15	NPT1/4"	PVDF
1B100MN4718PP	DN09/15	NPT1/8"	PP
1B100MN4718PV	DN09/15	NPT1/8"	PVDF
1B100MN4738PP	DN09/15	NPT3/8"	PP
1B100MN4738PV	DN09/15	NPT3/8"	PVDF
1B100MN4912PN	DN10/16	NPT1/2"	PP-NATUR
1B100MN4912PP	DN10/16	NPT1/2"	PP
1B100MN4912PV	DN10/16	NPT1/2"	PVDF
1B100MN4914PP	DN10/16	NPT1/4"	PP
1B100MN4914PV	DN10/16	NPT1/4"	PVDF
1B100MN4918PP	DN10/16	NPT1/8"	PP
1B100MN4918PV	DN10/16	NPT1/8"	PVDF
1B100MN4938PP	DN10/16	NPT3/8"	PP
1B100MN4938PV	DN10/16	NPT3/8"	PVDF
1B100MN5212PP	DN12/18	NPT1/2"	PP
1B100MN5212PV	DN12/18	NPT1/2"	PVDF
1B100MN5214PP	DN12/18	NPT1/4"	PP
1B100MN5214PV	DN12/18	NPT1/4"	PVDF
1B100MN5234PP	DN12/18	NPT3/4"	PP
1B100MN5234PV	DN12/18	NPT3/4"	PVDF
1B100MN5238PP	DN12/18	NPT3/8"	PP
1B100MN5238PV	DN12/18	NPT3/8"	PVDF
1B100MN5412PP	DN12/21	NPT1/2"	PP
1B100MN5414PV	DN12/21	NPT1/4"	PVDF
1B100MN5438PP	DN12/21	NPT3/8"	PP
1B100MN5438PV	DN12/21	NPT3/8"	PVDF

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**Straight connector for flexible tube (Series 1B)
with male NPT-thread**

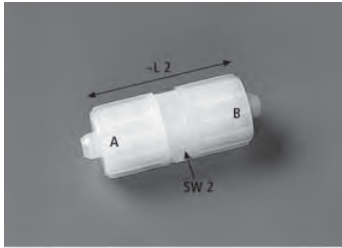
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Article-Nr	Connection A	Connection B	Material
1B100MN5612PN	DN13/19	NPT1/2"	PP-NATUR
1B100MN5612PP	DN13/19	NPT1/2"	PP
1B100MN5612PV	DN13/19	NPT1/2"	PVDF
1B100MN5614PP	DN13/19	NPT1/4"	PP
1B100MN5614PV	DN13/19	NPT1/4"	PVDF
1B100MN5634PP	DN13/19	NPT3/4"	PP
1B100MN5634PV	DN13/19	NPT3/4"	PVDF
1B100MN5638PP	DN13/19	NPT3/8"	PP
1B100MN5638PV	DN13/19	NPT3/8"	PVDF
1B100MN5712PP	DN13/20	NPT1/2"	PP
1B100MN5712PV	DN13/20	NPT1/2"	PVDF
1B100MN5734PP	DN13/20	NPT3/4"	PP
1B100MN5734PV	DN13/20	NPT3/4"	PVDF
1B100MN6212PP	DN19/27	NPT1/2"	PP

Dimensions 1B100MN...

A(DN)	B(NPT)	l3	~L4	SW4
4/10	1/8"	10	31	19
4/10	1/4"	15	31	19
4/10	3/8"	15,3	31	22
4/10	1/2"	20	32	24
5/11	1/8"	10	31	19
5/11	1/4"	15	31	19
5/11	3/8"	15,3	31	22
5/11	1/2"	20	32	24
6/12	1/8"	10	32	22
6/12	1/4"	15	32	22
6/12	3/8"	15,3	32	22
6/12	1/2"	20	33	24
8/14	1/4"	15	35	24
8/14	3/8"	15,3	35	24
8/14	1/2"	20	35	24
8/14	3/4"	20	39	32
9/15	1/4"	15	37	24
9/15	3/8"	15,3	37	24
9/15	1/2"	20	37	24
9/15	3/4"	20	41	32
10/16	1/4"	15	40	24
10/16	3/8"	15,3	40	24
10/16	1/2"	20	40	24
10/16	3/4"	20	44	32
12/18	1/4"	15	44	27
12/18	3/8"	15,3	44	27
12/18	1/2"	20	44	27
12/18	3/4"	20	47	32
13/19	1/4"	15	41	27
13/19	3/8"	15,3	41	27
13/19	1/2"	20	41	27
13/19	3/4"	20	44	32
13/20	1/4"	15	49	32
13/20	3/8"	15,3	49	32
13/20	1/2"	20	49	32
13/20	3/4"	20	49	32

**Straight union for flexible tube on both ends
(Series 1B)**



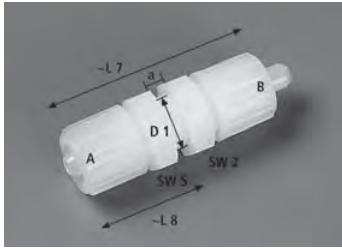
Article-Nr	Connection A	Connection B	Material
1B100T40PP	DN04/10	DN04/10	PP
1B100T40PV	DN04/10	DN04/10	PVDF
1B100T42PP	DN05/11	DN05/11	PP
1B100T42PV	DN05/11	DN05/11	PVDF
1B100T44PP	DN06/12	DN06/12	PP
1B100T44PV	DN06/12	DN06/12	PVDF
1B100T45PP	DN08/14	DN08/14	PP
1B100T45PV	DN08/14	DN08/14	PVDF
1B100T47PP	DN09/15	DN09/15	PP
1B100T47PV	DN09/15	DN09/15	PVDF
1B100T4944PP	DN10/16	DN06/12	PP
1B100T49PP	DN10/16	DN10/16	PP
1B100T49PV	DN10/16	DN10/16	PVDF
1B100T52PP	DN12/18	DN12/18	PP
1B100T52PV	DN12/18	DN12/18	PVDF
1B100T57PP	DN13/20	DN13/20	PP
1B100T57PV	DN13/20	DN13/20	PVDF
1B100T62PP	DN19/27	DN19/27	PP
1B100T62PV	DN19/27	DN19/27	PVDF

Dimensions 1B100T...

A(DN)	B(DN)	~L2	SW2
4/10	4/10	55	22
5/11	5/11	55	22
6/12	6/12	57	22
8/14	8/14	61	22
9/15	9/15	67	27
10/16	10/16	73	27
12/18	12/18	79	27
13/19	13/19	73	27
13/20	13/20	86	32

Straight bulkhead union for flexible tube on both ends (Series 1B)

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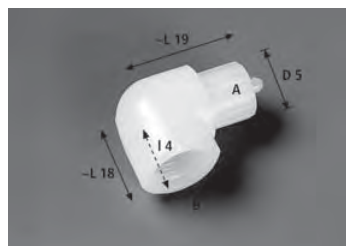
Article-Nr	Connection A	Connection B	Material
1B101T40PP	DN04/10	DN04/10	PP
1B101T40PV	DN04/10	DN04/10	PVDF
1B101T44PP	DN06/12	DN06/12	PP
1B101T44PV	DN06/12	DN06/12	PVDF
1B101T45PP	DN08/14	DN08/14	PP
1B101T47PP	DN09/15	DN09/15	PP
1B101T49PP	DN10/16	DN10/16	PP
1B101T49PV	DN10/16	DN10/16	PVDF
1B101T52PV	DN12/18	DN12/18	PVDF
1B101T56PP	DN13/19	DN13/19	PP
1B101T56PV	DN13/19	DN13/19	PVDF

Dimensions 1B101T...

A(DN)	B(DN)	~L7	~L8	SW2	SW5	ØD1	a
4/10	4/10	72	41	22	22	16,5	10
5/11	5/11	72	41	22	22	16,5	10
6/12	6/12	78	45	24	24	18,5	12
8/14	8/14	87	50	27	27	20,5	14
9/15	9/15	92	53	27	27	22,5	14
10/16	10/16	100	58	27	27	22,5	16
12/18	12/18	106	61	32	32	24,5	16
13/19	13/19	105	63	32	32	24,5	21
13/20	13/20	119	70	32	32	27,5	21

Elbow connector for flexible tube (Series 1B) with female G-thread

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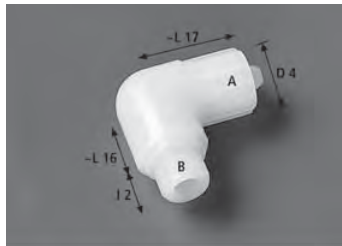
Article-Nr	Connection A	Connection B	Material
1B200FG4012PP	DN04/10	G1/2"	PP
1B200FG4038PP	DN04/10	G3/8"	PP
1B200FG4412PP	DN06/12	G1/2"	PP
1B200FG4412PV	DN06/12	G1/2"	PVDF
1B200FG4414PP	DN06/12	G1/4"	PP
1B200FG4438PP	DN06/12	G3/8"	PP
1B200FG4438PV	DN06/12	G3/8"	PVDF
1B200FG4514PP	DN08/14	G1/4"	PP
1B200FG4534PP	DN08/14	G3/4"	PP
1B200FG4712PV	DN09/15	G1/2"	PVDF
1B200FG4714PP	DN09/15	G1/4"	PP
1B200FG4738PP	DN09/15	G3/8"	PP
1B200FG4938PP	DN10/16	G3/8"	PP
1B200FG5212PP	DN12/18	G1/2"	PP
1B200FG5214PP	DN12/18	G1/4"	PP
1B200FG5612PV	DN13/19	G1/2"	PVDF

Dimensions 1B200FG . . .

A(DN)	B(G)	I4	~L18	~L19	ØD5
4/10	1/8"	10	17	36	20
4/10	1/4"	15	20	36	20
4/10	3/8"	15	20	39	25
4/10	1/2"	16	23	41	30
5/11	1/8"	10	17	36	20
5/11	1/4"	15	20	36	20
5/11	3/8"	15	20	39	25
5/11	1/2"	16	23	41	30
6/12	1/8"	10	17	37	20
6/12	1/4"	15	20	37	20
6/12	3/8"	15	20	40	25
6/12	1/2"	16	23	42	30
8/14	1/4"	15	23	42	25
8/14	3/8"	15	23	42	25
8/14	1/2"	16	25	44	30
8/14	3/4"	20	35	52	45
9/15	1/4"	15	25	44	25
9/15	3/8"	15	25	44	25
9/15	1/2"	16	25	46	30
9/15	3/4"	20	35	54	45
10/16	1/4"	15	25	47	25
10/16	3/8"	15	25	47	25
10/16	1/2"	16	25	49	30
10/16	3/4"	20	35	57	45
12/18	1/4"	15	25	52	30
12/18	3/8"	15	25	52	30
12/18	1/2"	16	25	52	30
12/18	3/4"	20	35	60	45
13/19	1/4"	15	25	49	30
13/19	3/8"	15	25	49	30
13/19	1/2"	16	25	49	30
13/19	3/4"	20	35	57	45
13/20	1/4"	15	25	54	30
13/20	3/8"	15	25	54	30
13/20	1/2"	16	25	54	30
13/20	3/4"	20	35	62	45

Elbow connector for flexible tube (Series 1B)
with male G-thread

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Article-Nr	Connection A	Connection B	Material
1B200MG4012PP	DN04/10	G1/2"	PP
1B200MG4012PV	DN04/10	G1/2"	PVDF
1B200MG4014PP	DN04/10	G1/4"	PP
1B200MG4014PV	DN04/10	G1/4"	PVDF
1B200MG4018PP	DN04/10	G1/8"	PP
1B200MG4018PV	DN04/10	G1/8"	PVDF
1B200MG4038PP	DN04/10	G3/8"	PP
1B200MG4038PV	DN04/10	G3/8"	PVDF
1B200MG4212PP	DN05/11	G1/2"	PP
1B200MG4212PV	DN05/11	G1/2"	PVDF
1B200MG4214PP	DN05/11	G1/4"	PP
1B200MG4214PV	DN05/11	G1/4"	PVDF
1B200MG4218PP	DN05/11	G1/8"	PP
1B200MG4218PV	DN05/11	G1/8"	PVDF
1B200MG4238PP	DN05/11	G3/8"	PP
1B200MG4238PV	DN05/11	G3/8"	PVDF
1B200MG4412PP	DN06/12	G1/2"	PP
1B200MG4412PV	DN06/12	G1/2"	PVDF
1B200MG4414PP	DN06/12	G1/4"	PP
1B200MG4414PV	DN06/12	G1/4"	PVDF
1B200MG4418PP	DN06/12	G1/8"	PP
1B200MG4418PV	DN06/12	G1/8"	PVDF
1B200MG4434PP	DN06/12	G3/4"	PP
1B200MG4438PP	DN06/12	G3/8"	PP
1B200MG4438PV	DN06/12	G3/8"	PVDF
1B200MG4512PP	DN08/14	G1/2"	PP
1B200MG4512PV	DN08/14	G1/2"	PVDF
1B200MG4514PP	DN08/14	G1/4"	PP
1B200MG4514PV	DN08/14	G1/4"	PVDF
1B200MG4518PP	DN08/14	G1/8"	PP
1B200MG4518PV	DN08/14	G1/8"	PVDF
1B200MG4538PAEP	DN08/14	G3/8"	PA/EPDM
1B200MG4538PP	DN08/14	G3/8"	PP
1B200MG4538PV	DN08/14	G3/8"	PVDF
1B200MG4712PP	DN09/15	G1/2"	PP
1B200MG4712PV	DN09/15	G1/2"	PVDF
1B200MG4714PP	DN09/15	G1/4"	PP
1B200MG4714PV	DN09/15	G1/4"	PVDF
1B200MG4718PP	DN09/15	G1/8"	PP
1B200MG4718PV	DN09/15	G1/8"	PVDF
1B200MG4734PP	DN09/15	G3/4"	PP
1B200MG4734PV	DN09/15	G3/4"	PVDF
1B200MG4738PP	DN09/15	G3/8"	PP
1B200MG4738PV	DN09/15	G3/8"	PVDF
1B200MG4912PP	DN10/16	G1/2"	PP
1B200MG4912PV	DN10/16	G1/2"	PVDF
1B200MG4914PP	DN10/16	G1/4"	PP
1B200MG4914PPFP	DN10/16	G1/4"	PP/FPM
1B200MG4914PV	DN10/16	G1/4"	PVDF
1B200MG4934PP	DN10/16	G3/4"	PP
1B200MG4934PPFP	DN10/16	G3/4"	PP/FPM
1B200MG4934PV	DN10/16	G3/4"	PVDF
1B200MG4938PP	DN10/16	G3/8"	PP
1B200MG4938PV	DN10/16	G3/8"	PVDF
1B200MG5212PP	DN12/18	G1/2"	PP
1B200MG5212PV	DN12/18	G1/2"	PVDF
1B200MG5214PP	DN12/18	G1/4"	PP
1B200MG5214PV	DN12/18	G1/4"	PVDF
1B200MG5238PP	DN12/18	G3/8"	PP
1B200MG5238PV	DN12/18	G3/8"	PVDF
1B200MG5612PP	DN13/19	G1/2"	PP
1B200MG5612PV	DN13/19	G1/2"	PVDF

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Elbow connector for flexible tube (Series 1B)
with male G-thread

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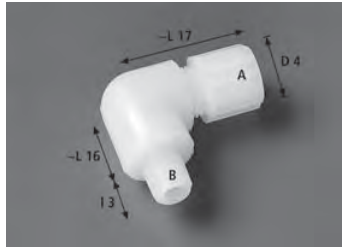
Article-Nr	Connection A	Connection B	Material
1B200MG5614PP	DN13/19	G1/4"	PP
1B200MG5614PV	DN13/19	G1/4"	PVDF
1B200MG5634PP	DN13/19	G3/4"	PP
1B200MG5634PV	DN13/19	G3/4"	PVDF
1B200MG5638PP	DN13/19	G3/8"	PP
1B200MG5638PV	DN13/19	G3/8"	PVDF
1B200MG5712PP	DN13/20	G1/2"	PP
1B200MG5712PV	DN13/20	G1/2"	PVDF
1B200MG5714PP	DN13/20	G1/4"	PP
1B200MG5734PP	DN13/20	G3/4"	PP
1B200MG5738PP	DN13/20	G3/8"	PP
1B200MG5738PV	DN13/20	G3/8"	PVDF

Dimensions 1B200MG. . .

A(DN)	B(G)	l2	L16	~L17	ØD4
4/10	1/8"	8	20	36	20
4/10	1/4"	12	20	36	20
4/10	3/8"	12	22	38	25
4/10	1/2"	14	23	41	30
5/11	1/8"	8	20	36	20
5/11	1/4"	12	20	36	20
5/11	3/8"	12	22	38	25
5/11	1/2"	14	23	41	30
6/12	1/8"	8	20	37	20
6/12	1/4"	12	20	37	20
6/12	3/8"	12	22	39	25
6/12	1/2"	14	23	42	30
8/14	1/4"	12	22	41	25
8/14	3/8"	12	22	41	25
8/14	1/2"	14	23	44	30
8/14	3/4"	16	23	44	30
9/15	1/4"	12	22	43	25
9/15	3/8"	12	22	43	25
9/15	1/2"	14	23	46	30
9/15	3/4"	16	23	46	30
10/16	1/4"	12	22	48	25
10/16	3/8"	12	22	48	25
10/16	1/2"	14	23	49	30
10/16	3/4"	16	23	49	30
12/18	1/4"	12	23	52	30
12/18	3/8"	12	23	52	30
12/18	1/2"	14	23	52	30
12/18	3/4"	16	23	52	30
13/19	1/4"	12	23	49	30
13/19	3/8"	12	23	49	30
13/19	1/2"	14	23	49	30
13/19	3/4"	16	23	49	30
13/20	1/4"	12	26	54	30
13/20	3/8"	12	26	54	30
13/20	1/2"	14	26	54	30
13/20	3/4"	16	26	54	30

Elbow connector for flexible tube (Series 1B)
with male NPT-thread

1



Article-Nr	Connection A	Connection B	Material
1B200MN4012PP	DN04/10	NPT1/2"	PP
1B200MN4012PV	DN04/10	NPT1/2"	PVDF
1B200MN4014PP	DN04/10	NPT1/4"	PP
1B200MN4014PV	DN04/10	NPT1/4"	PVDF
1B200MN4018PP	DN04/10	NPT1/8"	PP
1B200MN4018PV	DN04/10	NPT1/8"	PVDF
1B200MN4038PP	DN04/10	NPT3/8"	PP
1B200MN4038PV	DN04/10	NPT3/8"	PVDF
1B200MN4212PP	DN05/11	NPT1/2"	PP
1B200MN4212PV	DN05/11	NPT1/2"	PVDF
1B200MN4214PP	DN05/11	NPT1/4"	PP
1B200MN4214PV	DN05/11	NPT1/4"	PVDF
1B200MN4218PP	DN05/11	NPT1/8"	PP
1B200MN4218PV	DN05/11	NPT1/8"	PVDF
1B200MN4238PP	DN05/11	NPT3/8"	PP
1B200MN4238PV	DN05/11	NPT3/8"	PVDF
1B200MN4412PP	DN06/12	NPT1/2"	PP
1B200MN4412PV	DN06/12	NPT1/2"	PVDF
1B200MN4414PP	DN06/12	NPT1/4"	PP
1B200MN4414PV	DN06/12	NPT1/4"	PVDF
1B200MN4418PP	DN06/12	NPT1/8"	PP
1B200MN4418PV	DN06/12	NPT1/8"	PVDF
1B200MN4438PP	DN06/12	NPT3/8"	PP
1B200MN4438PV	DN06/12	NPT3/8"	PVDF
1B200MN4512PP	DN08/14	NPT1/2"	PP
1B200MN4512PV	DN08/14	NPT1/2"	PVDF
1B200MN4514PP	DN08/14	NPT1/4"	PP
1B200MN4514PV	DN08/14	NPT1/4"	PVDF
1B200MN4518PP	DN08/14	NPT1/8"	PP
1B200MN4518PV	DN08/14	NPT1/8"	PVDF
1B200MN4538PP	DN08/14	NPT3/8"	PP
1B200MN4538PV	DN08/14	NPT3/8"	PVDF
1B200MN4712PP	DN09/15	NPT1/2"	PP
1B200MN4712PV	DN09/15	NPT1/2"	PVDF
1B200MN4714PP	DN09/15	NPT1/4"	PP
1B200MN4714PV	DN09/15	NPT1/4"	PVDF
1B200MN4718PP	DN09/15	NPT1/8"	PP
1B200MN4718PV	DN09/15	NPT1/8"	PVDF
1B200MN4738PP	DN09/15	NPT3/8"	PP
1B200MN4738PV	DN09/15	NPT3/8"	PVDF
1B200MN4912PP	DN10/16	NPT1/2"	PP
1B200MN4912PV	DN10/16	NPT1/2"	PVDF
1B200MN4914PP	DN10/16	NPT1/4"	PP
1B200MN4914PV	DN10/16	NPT1/4"	PVDF
1B200MN4918PP	DN10/16	NPT1/8"	PP
1B200MN4918PV	DN10/16	NPT1/8"	PVDF
1B200MN4938PP	DN10/16	NPT3/8"	PP
1B200MN4938PV	DN10/16	NPT3/8"	PVDF
1B200MN5212PP	DN12/18	NPT1/2"	PP
1B200MN5212PV	DN12/18	NPT1/2"	PVDF
1B200MN5214PP	DN12/18	NPT1/4"	PP
1B200MN5214PV	DN12/18	NPT1/4"	PVDF
1B200MN5234PP	DN12/18	NPT3/4"	PP
1B200MN5234PV	DN12/18	NPT3/4"	PVDF
1B200MN5238PP	DN12/18	NPT3/8"	PP
1B200MN5238PV	DN12/18	NPT3/8"	PVDF
1B200MN5612PP	DN13/19	NPT1/2"	PP
1B200MN5612PV	DN13/19	NPT1/2"	PVDF
1B200MN5614PP	DN13/19	NPT1/4"	PP
1B200MN5614PV	DN13/19	NPT1/4"	PVDF
1B200MN5638PP	DN13/19	NPT3/8"	PP
1B200MN5638PV	DN13/19	NPT3/8"	PVDF

Elbow connector for flexible tube (Series 1B)
with male NPT-thread

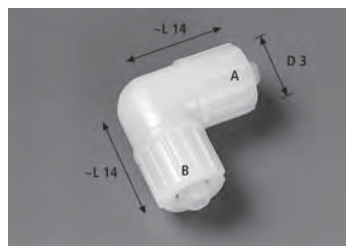
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Dimensions 1B200MN...

A(DN)	B(NPT)	l3	~L16	~L17	ØD4
4/10	1/8"	10	20	36	20
4/10	1/4"	15	20	36	20
4/10	3/8"	15,3	22	38	25
4/10	1/2"	20	22	38	25
5/11	1/8"	10	20	36	20
5/11	1/4"	15	20	36	20
5/11	3/8"	15,3	22	38	25
5/11	1/2"	20	22	38	25
6/12	1/8"	10	20	37	20
6/12	1/4"	15	20	37	20
6/12	3/8"	15,3	22	39	25
6/12	1/2"	20	22	39	25
8/14	1/4"	15	22	41	25
8/14	3/8"	15,3	22	41	25
8/14	1/2"	20	22	41	25
8/14	3/4"	20	23	44	30
9/15	1/4"	15	22	43	25
9/15	3/8"	15,3	22	43	25
9/15	1/2"	20	22	43	25
9/15	3/4"	20	23	46	30
10/16	1/4"	15	22	46	25
10/16	3/8"	15,3	22	46	25
10/16	1/2"	20	22	46	25
10/16	3/4"	20	23	49	30
12/18	1/4"	15	23	52	30
12/18	3/8"	15,3	23	52	30
12/18	1/2"	20	23	52	30
12/18	3/4"	20	23	52	30
13/19	1/4"	15	23	49	30
13/19	3/8"	15,3	23	49	30
13/19	1/2"	20	23	49	30
13/19	3/4"	20	23	49	30
13/20	1/4"	15	23	54	30
13/20	3/8"	15,3	23	54	30
13/20	1/2"	20	23	54	30
13/20	3/4"	20	23	54	30

Elbow union for flexible tube on both ends (Series 1B)

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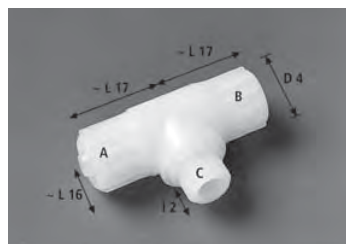
Article-Nr	Connection A	Connection B	Material
1B200T40PP	DN04/10	DN04/10	PP
1B200T40PV	DN04/10	DN04/10	PVDF
1B200T42PP	DN05/11	DN05/11	PP
1B200T42PV	DN05/11	DN05/11	PVDF
1B200T44PP	DN06/12	DN06/12	PP
1B200T44PV	DN06/12	DN06/12	PVDF
1B200T45PP	DN08/14	DN08/14	PP
1B200T45PV	DN08/14	DN08/14	PVDF
1B200T47PP	DN09/15	DN09/15	PP
1B200T47PV	DN09/15	DN09/15	PVDF
1B200T49PP	DN10/16	DN10/16	PP
1B200T49PV	DN10/16	DN10/16	PVDF
1B200T52PP	DN12/18	DN12/18	PP
1B200T52PV	DN12/18	DN12/18	PVDF
1B200T56PP	DN13/19	DN13/19	PP
1B200T56PV	DN13/19	DN13/19	PVDF
1B200T57PP	DN13/20	DN13/20	PP
1B200T57PV	DN13/20	DN13/20	PVDF

Dimensions 1B200T...

A(DN)	B(DN)	~L14	ØD3
4/10	4/10	36	20
5/11	5/11	36	20
6/12	6/12	39	25
8/14	8/14	41	25
9/15	9/15	43	25
10/16	10/16	46	25
12/18	12/18	52	30
13/19	13/19	49	30
13/20	13/20	54	30

T-connector for flexible tube (Series 1B) with male G-thread

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Article-Nr	Connection A	Connection B	Connection C	Material
1B300MG4014PP	DN04/10	DN04/10	G1/4"	PP
1B300MG4018PP	DN04/10	DN04/10	G1/8"	PP
1B300MG4018PV	DN04/10	DN04/10	G1/8"	PVDF
1B300MG4038PP	DN04/10	DN04/10	G3/8"	PP
1B300MG4214PP	DN05/11	DN05/11	G1/4"	PP
1B300MG4412PP	DN06/12	DN06/12	G1/2"	PP
1B300MG4412PV	DN06/12	DN06/12	G1/2"	PVDF
1B300MG4414PP	DN06/12	DN06/12	G1/4"	PP
1B300MG4414PV	DN06/12	DN06/12	G1/4"	PVDF
1B300MG4418PP	DN06/12	DN06/12	G1/8"	PP
1B300MG4438PP	DN06/12	DN06/12	G3/8"	PP
1B300MG4438PV	DN06/12	DN06/12	G3/8"	PVDF
1B300MG4514PP	DN08/14	DN08/14	G1/4"	PP
1B300MG4712PP	DN09/15	DN09/15	G1/2"	PP
1B300MG4712PV	DN09/15	DN09/15	G1/2"	PVDF
1B300MG4714PP	DN09/15	DN09/15	G1/4"	PP
1B300MG4714PV	DN09/15	DN09/15	G1/4"	PVDF
1B300MG4718PP	DN09/15	DN09/15	G1/8"	PP
1B300MG4734PV	DN09/15	DN09/15	G3/4"	PVDF
1B300MG4738PP	DN09/15	DN09/15	G3/8"	PP
1B300MG4912PP	DN10/16	DN10/16	G1/2"	PP
1B300MG4912PV	DN10/16	DN10/16	G1/2"	PVDF
1B300MG4914PP	DN10/16	DN10/16	G1/4"	PP
1B300MG4914PV	DN10/16	DN10/16	G1/4"	PVDF
1B300MG4938PP	DN10/16	DN10/16	G3/8"	PP
1B300MG4938PV	DN10/16	DN10/16	G3/8"	PVDF
1B300MG5212PP	DN12/18	DN12/18	G1/2"	PP
1B300MG5214PP	DN12/18	DN12/18	G1/4"	PP
1B300MG5238PP	DN12/18	DN12/18	G3/8"	PP
1B300MG5612PP	DN13/19	DN13/19	G1/2"	PP
1B300MG5612PV	DN13/19	DN13/19	G1/2"	PVDF
1B300MG5634PP	DN13/19	DN13/19	G3/4"	PP
1B300MG5634PV	DN13/19	DN13/19	G3/4"	PVDF
1B300MG5638PP	DN13/19	DN13/19	G3/8"	PP
1B300MG5712PP	DN13/20	DN13/20	G1/2"	PP
1B300MG5712PV	DN13/20	DN13/20	G1/2"	PVDF
1B300MG5734PP	DN13/20	DN13/20	G3/4"	PP
1B300MG5738PP	DN13/20	DN13/20	G3/8"	PP
1B300MG5738PV	DN13/20	DN13/20	G3/8"	PVDF

Dimensions 1B300MG. . .

A(DN)	B(DN)	C(G)	l2	L16	~L17	ØD4
4/10	4/10	1/8"	8	20	36	20
4/10	4/10	1/4"	12	20	36	20
4/10	4/10	3/8"	12	22	38	25
4/10	4/10	1/2"	14	23	41	30
5/11	5/11	1/8"	8	20	36	20
5/11	5/11	1/4"	12	20	36	20
5/11	5/11	3/8"	12	22	38	25
5/11	5/11	1/2"	14	23	41	30
6/12	6/12	1/8"	8	20	37	20
6/12	6/12	1/4"	12	20	37	20
6/12	6/12	3/8"	12	22	39	25
6/12	6/12	1/2"	14	23	42	30
8/14	8/14	1/4"	12	22	41	25
8/14	8/14	3/8"	12	22	41	25
8/14	8/14	1/2"	14	23	44	30
8/14	8/14	3/4"	16	23	44	30
9/15	9/15	1/4"	12	22	43	25
9/15	9/15	3/8"	12	22	43	25
9/15	9/15	1/2"	14	23	46	30

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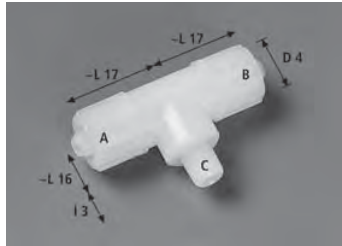
T-connector for flexible tube (Series 1B) with male G-thread

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A(DN)	B(DN)	C(G)	l2	L16	~L17	ØD4
9/15	9/15	3/4"	16	26	46	30
10/16	10/16	1/4"	12	22	48	25
10/16	10/16	3/8"	12	22	48	25
10/16	10/16	1/2"	14	23	49	30
10/16	10/16	3/4"	16	23	49	30
12/18	12/18	1/4"	12	23	52	30
12/18	12/18	3/8"	12	23	52	30
12/18	12/18	1/2"	14	23	52	30
12/18	12/18	3/4"	16	23	52	30
13/19	13/19	1/4"	12	23	49	30
13/19	13/19	3/8"	12	23	49	30
13/19	13/19	1/2"	14	23	49	30
13/19	13/19	3/4"	16	23	49	30
13/20	13/20	1/4"	12	24	53	30
13/20	13/20	3/8"	12	24	53	30
13/20	13/20	1/2"	14	24	53	30
13/20	13/20	3/4"	16	26	54	32

T-connector for flexible tube (Series 1B) with male NPT-thread

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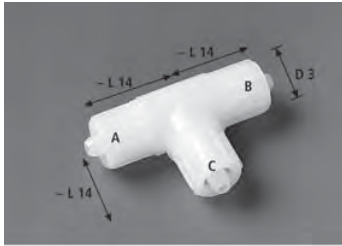
Article-Nr	Connection A	Connection B	Connection C	Material
1B300MN4412PP	DN06/12	DN06/12	NPT1/2"	PP
1B300MN4414PP	DN06/12	DN06/12	NPT1/4"	PP
1B300MN4512PP	DN08/14	DN08/14	NPT1/2"	PP
1B300MN4514PP	DN08/14	DN08/14	NPT1/4"	PP
1B300MN4538PP	DN08/14	DN08/14	NPT3/8"	PP

Dimensions 1B300MN. . .

A(DN)	B(DN)	C(NPT)	I3	~L16	~L17	ØD4
4/10	4/10	1/8"	10	20	36	20
4/10	4/10	1/4"	15	20	36	20
4/10	4/10	3/8"	15,3	22	38	25
4/10	4/10	1/2"	20	23	41	30
5/11	5/11	1/8"	10	20	36	20
5/11	5/11	1/4"	15	20	36	20
5/11	5/11	3/8"	15,3	22	38	25
5/11	5/11	1/2"	20	23	41	30
6/12	6/12	1/8"	10	20	37	20
6/12	6/12	1/4"	15	20	37	20
6/12	6/12	3/8"	15,3	22	39	25
6/12	6/12	1/2"	20	23	42	30
8/14	8/14	1/4"	15	22	41	25
8/14	8/14	3/8"	15,3	22	41	25
8/14	8/14	1/2"	20	23	44	30
8/14	8/14	3/4"	20	23	44	30
9/15	9/15	1/4"	15	22	43	25
9/15	9/15	3/8"	15,3	22	43	25
9/15	9/15	1/2"	20	23	46	30
9/15	9/15	3/4"	20	23	46	30
10/16	10/16	1/4"	15	22	48	25
10/16	10/16	3/8"	15,3	22	48	25
10/16	10/16	1/2"	20	23	49	30
10/16	10/16	3/4"	20	23	49	30
12/18	12/18	1/4"	15	23	52	30
12/18	12/18	3/8"	15,3	23	52	30
12/18	12/18	1/2"	20	23	52	30
12/18	12/18	3/4"	20	23	52	30
13/19	13/19	1/4"	15	23	49	30
13/19	13/19	3/8"	15,3	23	49	30
13/19	13/19	1/2"	20	23	49	30
13/19	13/19	3/4"	20	23	49	30
13/20	13/20	1/4"	15	23	54	30
13/20	13/20	3/8"	15,3	23	54	30
13/20	13/20	1/2"	20	23	54	30
13/20	13/20	3/4"	20	23	54	30

T-union for flexible tube on all ends (Series 1B)

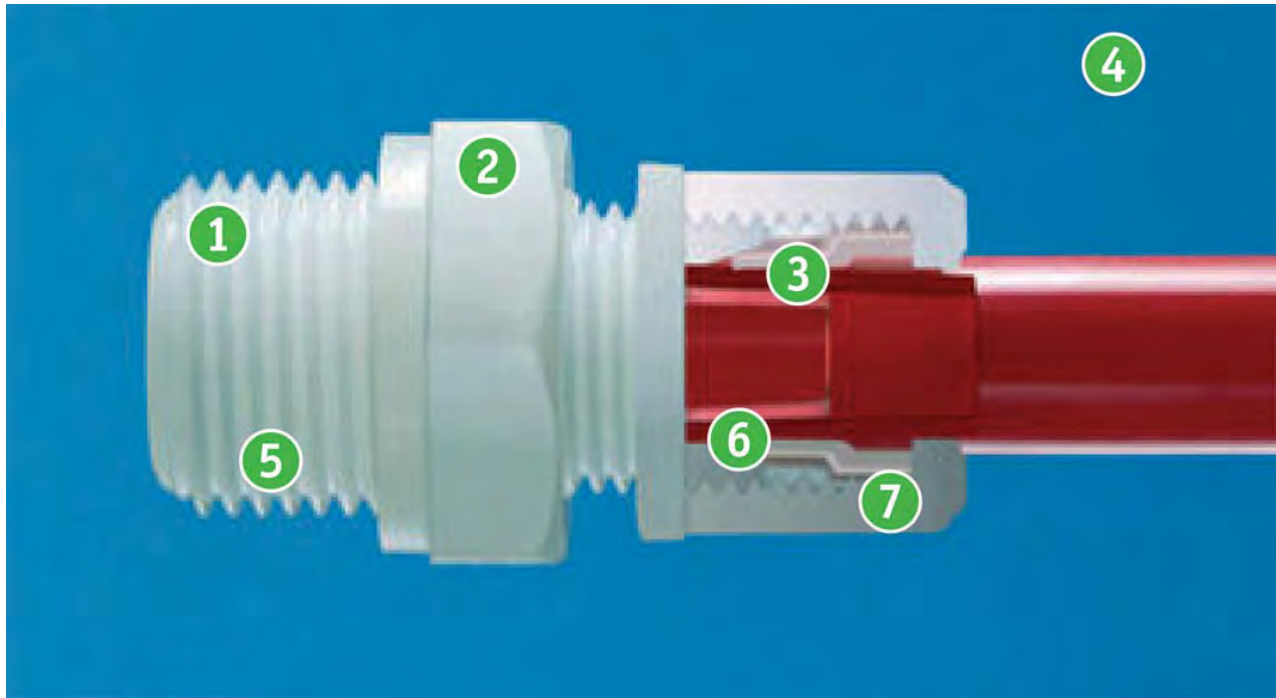
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Article-Nr	Connection A	Connection B	Connection C	Material
1B300T40PP	DN04/10	DN04/10	DN04/10	PP
1B300T40PV	DN04/10	DN04/10	DN04/10	PVDF
1B300T42PP	DN05/11	DN05/11	DN05/11	PP
1B300T42PV	DN05/11	DN05/11	DN05/11	PVDF
1B300T44PP	DN06/12	DN06/12	DN06/12	PP
1B300T44PV	DN06/12	DN06/12	DN06/12	PVDF
1B300T45PP	DN08/14	DN08/14	DN08/14	PP
1B300T45PV	DN08/14	DN08/14	DN08/14	PVDF
1B300T47PP	DN09/15	DN09/15	DN09/15	PP
1B300T47PV	DN09/15	DN09/15	DN09/15	PVDF
1B300T49PP	DN10/16	DN10/16	DN10/16	PP
1B300T49PV	DN10/16	DN10/16	DN10/16	PVDF
1B300T52PP	DN12/18	DN12/18	DN12/18	PP
1B300T52PV	DN12/18	DN12/18	DN12/18	PVDF
1B300T56PP	DN13/19	DN13/19	DN13/19	PP
1B300T56PV	DN13/19	DN13/19	DN13/19	PVDF
1B300T57PP	DN13/20	DN13/20	DN13/20	PP
1B300T57PV	DN13/20	DN13/20	DN13/20	PVDF
1B300T62PP	DN19/27	DN19/27	DN19/27	PP
1B300T62PV	DN19/27	DN19/27	DN19/27	PVDF

Dimensions 1B300T...

A(DN)	B(DN)	C(DN)	~L14	ØD3
4/10	4/10	4/10	36	20
5/11	5/11	5/11	36	20
6/12	6/12	6/12	39	25
8/14	8/14	8/14	41	25
9/15	9/15	9/15	43	25
10/16	10/16	10/16	46	25
12/18	12/18	12/18	52	30
13/19	13/19	13/19	49	30
13/20	13/20	13/20	54	30

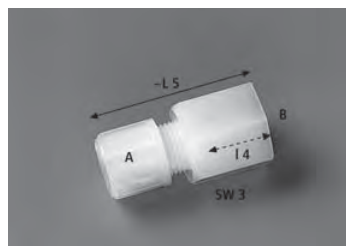


- 1) Thread manufactured without seam ⇒ High tightness, long term stability
- 2) Hexagon manufactured according to DIN
- 3) Sealed by PTFE sealing ring ⇒ Maximum media resistance
- 4) Connector available in PA, PP, PVDF, PFA ⇒ High media resistance
- 5) Thread manufactured according to DIN, USAS or JIS ⇒ Various connection options
- 6) Connecting sleeve manufactured without seam ⇒ High tightness, long term stability
- 7) Cutting ring made of PEEK ⇒ Optimum guard against pull-off forces

The connection principle used in the Series 1C from EM-TECHNIK entails pushing the firm flexible tube or the plastic pipe onto an integrated connecting sleeve and using a sealing ring to produce a tight fit. The tube is secured in place by a cutting ring, which is forced against the tube by a knurled nut. The more the knurled nut is screwed onto the connector body, the more the cutting ring wedges the flexible tube or pipe. Screwing on the knurled nut causes a shear force to act via the cutting ring, which intensifies the contact pressure. The result is a tight, friction-locked connection which can be released at any time and minimises the dead volume.

Straight connector for flexible tube (Series 1C) with female G-thread

1



Article-Nr	Connection A	Connection B	Material
1C100FG0338PF	DN1/8"/1/4"	G3/8"	PFA
1C100FG0538PF	DN1/6"/1/4"	G3/8"	PFA
1C100FG1114PF	DN1/4"/3/8"	G1/4"	PFA
1C100FG1114PV	DN1/4"/3/8"	G1/4"	PVDF
1C100FG1512PF	DN3/8"/1/2"	G1/2"	PFA
1C100FG1514PF	DN3/8"/1/2"	G1/4"	PFA
1C100FG1538PV	DN3/8"/1/2"	G3/8"	PVDF
1C100FG2012PV	DN5/8"/3/4"	G1/2"	PVDF
1C100FG4012PF	DN04/06	G1/2"	PFA
1C100FG4012PP	DN04/06	G1/2"	PP
1C100FG4012PV	DN04/06	G1/2"	PVDF
1C100FG4014PF	DN04/06	G1/4"	PFA
1C100FG4014PP	DN04/06	G1/4"	PP
1C100FG4014PV	DN04/06	G1/4"	PVDF
1C100FG4018PF	DN04/06	G1/8"	PFA
1C100FG4018PP	DN04/06	G1/8"	PP
1C100FG4018PV	DN04/06	G1/8"	PVDF
1C100FG4038PF	DN04/06	G3/8"	PFA
1C100FG4038PV	DN04/06	G3/8"	PVDF
1C100FG4214PF	DN05/08	G1/4"	PFA
1C100FG4214PP	DN05/08	G1/4"	PP
1C100FG4312PF	DN06/08	G1/2"	PFA
1C100FG4312PP	DN06/08	G1/2"	PP
1C100FG4312PV	DN06/08	G1/2"	PVDF
1C100FG4314PF	DN06/08	G1/4"	PFA
1C100FG4314PP	DN06/08	G1/4"	PP
1C100FG4314PV	DN06/08	G1/4"	PVDF
1C100FG4318PF	DN06/08	G1/8"	PFA
1C100FG4318PV	DN06/08	G1/8"	PVDF
1C100FG4338PF	DN06/08	G3/8"	PFA
1C100FG4338PN	DN06/08	G3/8"	PP-NATUR
1C100FG4338PV	DN06/08	G3/8"	PVDF
1C100FG4412PF	DN06/10	G1/2"	PFA
1C100FG4414PF	DN06/10	G1/4"	PFA
1C100FG4438PF	DN06/10	G3/8"	PFA
1C100FG4512PF	DN08/10	G1/2"	PFA
1C100FG4512PP	DN08/10	G1/2"	PP
1C100FG4512PV	DN08/10	G1/2"	PVDF
1C100FG4514PF	DN08/10	G1/4"	PFA
1C100FG4518PF	DN08/10	G1/8"	PFA
1C100FG4518PV	DN08/10	G1/8"	PVDF
1C100FG4538PF	DN08/10	G3/8"	PFA
1C100FG4612PF	DN08/12	G1/2"	PFA
1C100FG4614PP	DN08/12	G1/4"	PP
1C100FG4614PV	DN08/12	G1/4"	PVDF
1C100FG4634PP	DN08/12	G3/4"	PP
1C100FG4634PV	DN08/12	G3/4"	PVDF
1C100FG4734PP	DN09/12	G3/4"	PP
1C100FG4812PF	DN10/12	G1/2"	PFA
1C100FG4812PP	DN10/12	G1/2"	PP
1C100FG4812PV	DN10/12	G1/2"	PVDF
1C100FG4814PF	DN10/12	G1/4"	PFA
1C100FG4814PV	DN10/12	G1/4"	PVDF
1C100FG4834PF	DN10/12	G3/4"	PFA
1C100FG4834PP	DN10/12	G3/4"	PP
1C100FG4834PV	DN10/12	G3/4"	PVDF
1C100FG4838PF	DN10/12	G3/8"	PFA
1C100FG4912PP	DN10/14	G1/2"	PP
1C100FG5112PF	DN12/14	G1/2"	PFA
1C100FG5112PV	DN12/14	G1/2"	PVDF
1C100FG5134PV	DN12/14	G3/4"	PVDF
1C100FG5212PF	DN12/16	G1/2"	PFA

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Straight connector for flexible tube (Series 1C)
with female G-thread

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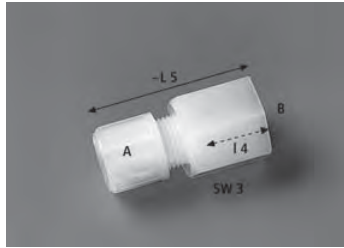
Article-Nr	Connection A	Connection B	Material
1C100FG7714PP	DN06/09	G1/4"	PP
1C100FG7738PP	DN06/09	G3/8"	PP
1C100FG7738PV	DN06/09	G3/8"	PVDF

Dimensions 1A100FG... , 1C100FG...

A(DN)		B(G)		l4	~L5*	SW3	
4/6		1/6"/1/4"	1/8"	10	31	14	
4/6		1/6"/1/4"	1/4"	15	36	17	
4/6		1/6"/1/4"	3/8"	15	36	22	
4/6		1/6"/1/4"	1/2"	16	38	27	
5/8	6/8		1/8"	10	36	17	
5/8	6/8		1/4"	15	41	17	
5/8	6/8		3/8"	15	41	22	
5/8	6/8		1/2"	16	42	27	
6/9			1/8"	10		17	
6/9			1/4"	15		17	
6/9			3/8"	15		22	
6/9			1/2"	16		27	
6/10	8/10	1/4"/3/8"	1/8"	10	39	19	
6/10	8/10	1/4"/3/8"	1/4"	15	44	19	
6/10	8/10	1/4"/3/8"	3/8"	15	44	22	
6/10	8/10	1/4"/3/8"	1/2"	16	45	27	
8/12	9/12	10/12	3/8"/1/2"	1/8"	10	43	19
8/12	9/12	10/12	3/8"/1/2"	1/4"	15	48	22
8/12	9/12	10/12	3/8"/1/2"	3/8"	15	48	22
8/12	9/12	10/12	3/8"/1/2"	1/2"	16	49	27
8/12	9/12	10/12	3/8"/1/2"	3/4"	20	53	32
10/14	12/14		1/8"	10	48	24	
10/14	12/14		1/4"	15	53	24	
10/14	12/14		3/8"	15	53	24	
10/14	12/14		1/2"	16	54	27	
10/14	12/14		3/4"	20	58	32	
12/16	14/16		1/8"	10	50	27	
12/16	14/16		1/4"	15	55	27	
12/16	14/16		3/8"	15	55	27	
12/16	14/16		1/2"	16	56	27	
12/16	14/16		3/4"	20	60	32	
14/18	16/18		1/4"	15	58	27	
14/18	16/18		3/8"	15	58	27	
14/18	16/18		1/2"	16	59	27	
14/18	16/18		3/4"	20	63	32	
16/20	18/20	5/8"/3/4"	3/8"	15	61	30	
16/20	18/20	5/8"/3/4"	1/2"	16	62	30	
16/20	18/20	5/8"/3/4"	3/4"	20	65	32	

**Straight connector for flexible tube (Series 1C)
with female M-thread**

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Article-Nr	Connection A	Connection B	Material
1C100FM0623PP	DN3/16"/1/4"	M20x1,5	PP
1C100FM0623PV	DN3/16"/1/4"	M20x1,5	PVDF
1C100FM1123PP	DN1/4"/3/8"	M20x1,5	PP
1C100FM1123PV	DN1/4"/3/8"	M20x1,5	PVDF
1C100FM1223PP	DN5/16"/3/8"	M20x1,5	PP
1C100FM1223PV	DN5/16"/3/8"	M20x1,5	PVDF
1C100FM1523PP	DN3/8"/1/2"	M20x1,5	PP
1C100FM1523PV	DN3/8"/1/2"	M20x1,5	PVDF
1C100FM4006PF	DN04/06	M6	PFA
1C100FM4011PF	DN04/06	M10x1	PFA
1C100FM4017PFFP	DN04/06	M14x1,5	PFA/FPM
1C100FM4017PP	DN04/06	M14x1,5	PP
1C100FM4023PF	DN04/06	M20x1,5	PFA
1C100FM4311PF	DN06/08	M10x1	PFA
1C100FM4311PP	DN06/08	M10x1	PP
1C100FM4314PF	DN06/08	M12x1	PFA
1C100FM4317PFFP	DN06/08	M14x1,5	PFA/FPM
1C100FM4323PF	DN06/08	M20x1,5	PFA

Dimensions 1A100FM... , 1C100FM...

	A(DN)	B(M)	l4	~L5	SW3	
4/6		5	8		12	
4/6		6	10		12	
4/6		10x1	10	31	14	
4/6		10x1,5	10	31	14	
4/6		12x1,5	15	36	17	
4/6		14x1,5	15	36	19	
4/6		16x1,5	15.5	36	22	
4/6		18x1,5	16.5	38	24	
4/6		20x1,5	16.5	38	27	
5/8	6/8	10x1	10	35	17	
5/8	6/8	10x1,5	10	35	17	
5/8	6/8	12x1,5	15	40	17	
5/8	6/8	14x1,5	15	40	19	
5/8	6/8	16x1,5	15.5	40	22	
5/8	6/8	18x1,5	16.5	41	24	
5/8	6/8	20x1,5	16.5	41	27	
6/9		10x1	10		17	
6/9		10x1,5	10		17	
6/9		12x1,5	15		17	
6/9		14x1,5	15		19	
6/9		16x1,5	15.5		22	
6/9		18x1,5	16.5		24	
6/9		20x1,5	16.5		27	
6/10	8/10	10x1	10	38	19	
6/10	8/10	10x1,5	10	38	19	
6/10	8/10	12x1,5	15	43	19	
6/10	8/10	14x1,5	15	43	19	
6/10	8/10	16x1,5	15.5	43	22	
6/10	8/10	18x1,5	16.5	44	24	
6/10	8/10	20x1,5	16.5	44	27	
8/12	9/12	10/12	12x1,5	15	45	22
8/12	9/12	10/12	14x1,5	15	45	22
8/12	9/12	10/12	16x1,5	15.5	47	22
8/12	9/12	10/12	18x1,5	16.5	48	24
8/12	9/12	10/12	20x1,5	16.5	48	27
8/12	9/12	10/12	22x1,5	18	51	27
10/14	12/14		12x1,5	15	52	24
10/14	12/14		14x1,5	15	52	24
10/14	12/14		16x1,5	15.5	53	24
10/14	12/14		18x1,5	16.5	53	24

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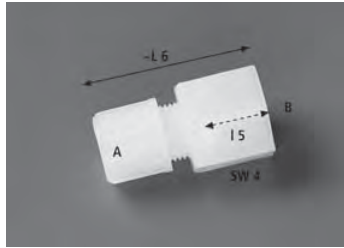
**Straight connector for flexible tube (Series 1C)
with female M-thread**

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	A(DN)	B(M)	l4	~L5	SW3
10/14	12/14	20x1,5	16.5	53	27
12/16	14/16	14x1,5	15	53	27
12/16	14/16	16x1,5	15.5	54	27
12/16	14/16	18x1,5	16.5	55	27
12/16	14/16	20x1,5	16.5	55	27
14/18	16/18	18x1,5	16.5	57	27
14/18	16/18	20x1,5	16.5	57	27
14/18	16/18	22x1,5	18	59	27
14/18	16/18	24x1,5	18.5	60	32
16/20	18/20	20x1,5	16.5	60	32
16/20	18/20	22x1,5	18	61	32
16/20	18/20	24x1,5	18.5	61	32

Straight connector for flexible tube (Series 1C) with female NPT-thread

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Article-Nr	Connection A	Connection B	Material
1C100FN1112PF	DN1/4"/3/8"	NPT1/2"	PFA
1C100FN1512PF	DN3/8"/1/2"	NPT1/2"	PFA
1C100FN1514PF	DN3/8"/1/2"	NPT1/4"	PFA
1C100FN1514PV	DN3/8"/1/2"	NPT1/4"	PVDF
1C100FN4012PF	DN04/06	NPT1/2"	PFA
1C100FN4012PV	DN04/06	NPT1/2"	PVDF
1C100FN4014PF	DN04/06	NPT1/4"	PFA
1C100FN4014PP	DN04/06	NPT1/4"	PP
1C100FN4014PV	DN04/06	NPT1/4"	PVDF
1C100FN4018PF	DN04/06	NPT1/8"	PFA
1C100FN4018PV	DN04/06	NPT1/8"	PVDF
1C100FN4038PF	DN04/06	NPT3/8"	PFA
1C100FN4312PF	DN06/08	NPT1/2"	PFA
1C100FN4312PN	DN06/08	NPT1/2"	PP-NATUR
1C100FN4312PV	DN06/08	NPT1/2"	PVDF
1C100FN4314PF	DN06/08	NPT1/4"	PFA
1C100FN4314PP	DN06/08	NPT1/4"	PP
1C100FN4314PV	DN06/08	NPT1/4"	PVDF
1C100FN4338PF	DN06/08	NPT3/8"	PFA
1C100FN4338PP	DN06/08	NPT3/8"	PP
1C100FN4414PF	DN06/10	NPT1/4"	PFA
1C100FN4418PF	DN06/10	NPT1/8"	PFA
1C100FN4812PF	DN10/12	NPT1/2"	PFA
1C100FN4838PV	DN10/12	NPT3/8"	PVDF
1C100FN5112PF	DN12/14	NPT1/2"	PFA
1C100FN5512PF	DN16/18	NPT1/2"	PFA
1C100FN5512PV	DN16/18	NPT1/2"	PVDF

Dimensions 1A100FN... , 1C100FN...

A(DN)		B(NPT)		I5	~L6*	SW4	
4/6		1/6"/1/4"	1/8"	11.6	32	14	
4/6		1/6"/1/4"	1/4"	16.4	38	17	
4/6		1/6"/1/4"	3/8"	17.4	39	22	
4/6		1/6"/1/4"	1/2"	22.6	47	27	
5/8	6/8		1/8"	11.6	35	19	
5/8	6/8		1/4"	16.4	41	19	
5/8	6/8		3/8"	17.4	42	22	
5/8	6/8		1/2"	22.6	48	27	
6/9			1/8"	11.6			
6/9			1/4"	16.4			
6/9			3/8"	17.4			
6/9			1/2"	22.6			
6/10	8/10	1/4"/3/8"	1/8"	11.6	38	22	
6/10	8/10	1/4"/3/8"	1/4"	16.4	43	22	
6/10	8/10	1/4"/3/8"	3/8"	17.4	44	22	
6/10	8/10	1/4"/3/8"	1/2"	22.6	51	27	
8/12	9/12	10/12	3/8"/1/2"	1/4"	16.4	48	24
8/12	9/12	10/12	3/8"/1/2"	3/8"	17.4	49	24
8/12	9/12	10/12	3/8"/1/2"	1/2"	22.6	53	27
8/12	9/12	10/12	3/8"/1/2"	3/4"	23.1	55	32
10/14	12/14		1/4"	16.4	53	24	
10/14	12/14		3/8"	17.4	54	24	
10/14	12/14		1/2"	22.6	59	27	
10/14	12/14		3/4"	23.1	60	32	
12/16	14/16		3/8"	17.4	56	27	
12/16	14/16		1/2"	22.6	61	27	
12/16	14/16		3/4"	23.1	62	32	
14/18	16/18		1/2"	22.6	63	27	
14/18	16/18		3/4"	23.1	64	32	
			5/8"/3/4"	1/4"	16.4	32	
			5/8"/3/4"	3/8"	17.4	32	

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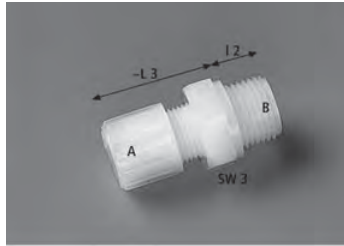
**Straight connector for flexible tube (Series 1C)
with female NPT-thread**

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	A(DN)		B(NPT)		I5	~L6*	SW4
16/20	18/20	5/8"/3/4"	1/2"	22.6	66	32	
16/20	18/20	5/8"/3/4"	3/4"	23.1	67	32	

**Straight connector for flexible tube (Series 1C)
with male G-thread**

1



Article-Nr	Connection A	Connection B	Material
1C100MG0312PF	DN1/8"/1/4"	G1/2"	PFA
1C100MG0312PP	DN1/8"/1/4"	G1/2"	PP
1C100MG0312PV	DN1/8"/1/4"	G1/2"	PVDF
1C100MG0314PF	DN1/8"/1/4"	G1/4"	PFA
1C100MG0314PFFK	DN1/8"/1/4"	G1/4"	PFA/FFKM
1C100MG0314PP	DN1/8"/1/4"	G1/4"	PP
1C100MG0318PF	DN1/8"/1/4"	G1/8"	PFA
1C100MG0338PP	DN1/8"/1/4"	G3/8"	PP
1C100MG0418PF	DN5/32"/1/4"	G1/8"	PFA
1C100MG0512PF	DN1/6"/1/4"	G1/2"	PFA
1C100MG0512PN	DN1/6"/1/4"	G1/2"	PP-NATUR
1C100MG0512PP	DN1/6"/1/4"	G1/2"	PP
1C100MG0512PV	DN1/6"/1/4"	G1/2"	PVDF
1C100MG0514PF	DN1/6"/1/4"	G1/4"	PFA
1C100MG0514PFFK	DN1/6"/1/4"	G1/4"	PFA/FFKM
1C100MG0514PFFP	DN1/6"/1/4"	G1/4"	PFA/FPM
1C100MG0514PP	DN1/6"/1/4"	G1/4"	PP
1C100MG0514PV	DN1/6"/1/4"	G1/4"	PVDF
1C100MG0518PF	DN1/6"/1/4"	G1/8"	PFA
1C100MG0518PFFP	DN1/6"/1/4"	G1/8"	PFA/FPM
1C100MG0518PP	DN1/6"/1/4"	G1/8"	PP
1C100MG0518PV	DN1/6"/1/4"	G1/8"	PVDF
1C100MG0538PF	DN1/6"/1/4"	G3/8"	PFA
1C100MG0538PP	DN1/6"/1/4"	G3/8"	PP
1C100MG0538PV	DN1/6"/1/4"	G3/8"	PVDF
1C100MG0614PF	DN3/16"/1/4"	G1/4"	PFA
1C100MG0618PF	DN3/16"/1/4"	G1/8"	PFA
1C100MG1112PF	DN1/4"/3/8"	G1/2"	PFA
1C100MG1112PFFK	DN1/4"/3/8"	G1/2"	PFA/FFKM
1C100MG1112PP	DN1/4"/3/8"	G1/2"	PP
1C100MG1112PV	DN1/4"/3/8"	G1/2"	PVDF
1C100MG1114PF	DN1/4"/3/8"	G1/4"	PFA
1C100MG1114PP	DN1/4"/3/8"	G1/4"	PP
1C100MG1114PV	DN1/4"/3/8"	G1/4"	PVDF
1C100MG1118PF	DN1/4"/3/8"	G1/8"	PFA
1C100MG1118PV	DN1/4"/3/8"	G1/8"	PVDF
1C100MG1138PF	DN1/4"/3/8"	G3/8"	PFA
1C100MG1138PP	DN1/4"/3/8"	G3/8"	PP
1C100MG1138PV	DN1/4"/3/8"	G3/8"	PVDF
1C100MG1512PF	DN3/8"/1/2"	G1/2"	PFA
1C100MG1512PP	DN3/8"/1/2"	G1/2"	PP
1C100MG1512PV	DN3/8"/1/2"	G1/2"	PVDF
1C100MG1514PF	DN3/8"/1/2"	G1/4"	PFA
1C100MG1514PFFP	DN3/8"/1/2"	G1/4"	PFA/FPM
1C100MG1514PV	DN3/8"/1/2"	G1/4"	PVDF
1C100MG1538PV	DN3/8"/1/2"	G3/8"	PVDF
1C100MG2012PV	DN5/8"/3/4"	G1/2"	PVDF
1C100MG2034PV	DN5/8"/3/4"	G3/4"	PVDF
1C100MG3918PP	DN04/05	G1/8"	PP
1C100MG4012PF	DN04/06	G1/2"	PFA
1C100MG4012PP	DN04/06	G1/2"	PP
1C100MG4012PFFP	DN04/06	G1/2"	PP/FPM
1C100MG4012PV	DN04/06	G1/2"	PVDF
1C100MG4012PVFP	DN04/06	G1/2"	PVDF/FPM
1C100MG4014PF	DN04/06	G1/4"	PFA
1C100MG4014PFFK	DN04/06	G1/4"	PFA/FFKM
1C100MG4014PFFP	DN04/06	G1/4"	PFA/FPM
1C100MG4014PN	DN04/06	G1/4"	PP-NATUR
1C100MG4014PP	DN04/06	G1/4"	PP
1C100MG4014PPEP	DN04/06	G1/4"	PP/EPDM
1C100MG4014PFFP	DN04/06	G1/4"	PP/FPM
1C100MG4014PV	DN04/06	G1/4"	PVDF

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Straight connector for flexible tube (Series 1C)
with male G-thread

1

Article-Nr	Connection A	Connection B	Material
1C100MG4014PVFP	DN04/06	G1/4"	PVDF/FPM
1C100MG4018PF	DN04/06	G1/8"	PFA
1C100MG4018PFEP	DN04/06	G1/8"	PFA/EPDM
1C100MG4018PFFK	DN04/06	G1/8"	PFA/FFKM
1C100MG4018PFFP	DN04/06	G1/8"	PFA/FPM
1C100MG4018PN	DN04/06	G1/8"	PP-NATUR
1C100MG4018PP	DN04/06	G1/8"	PP
1C100MG4018PPEP	DN04/06	G1/8"	PP/EPDM
1C100MG4018PPFP	DN04/06	G1/8"	PP/FPM
1C100MG4018PV	DN04/06	G1/8"	PVDF
1C100MG4018PVFP	DN04/06	G1/8"	PVDF/FPM
1C100MG4034PF	DN04/06	G3/4"	PFA
1C100MG4038PF	DN04/06	G3/8"	PFA
1C100MG4038PP	DN04/06	G3/8"	PP
1C100MG4038PV	DN04/06	G3/8"	PVDF
1C100MG4038PVFP	DN04/06	G3/8"	PVDF/FPM
1C100MG4212PF	DN05/08	G1/2"	PFA
1C100MG4212PP	DN05/08	G1/2"	PP
1C100MG4212PV	DN05/08	G1/2"	PVDF
1C100MG4214PF	DN05/08	G1/4"	PFA
1C100MG4214PP	DN05/08	G1/4"	PP
1C100MG4214PV	DN05/08	G1/4"	PVDF
1C100MG4218PF	DN05/08	G1/8"	PFA
1C100MG4238PP	DN05/08	G3/8"	PP
1C100MG4238PV	DN05/08	G3/8"	PVDF
1C100MG4312PF	DN06/08	G1/2"	PFA
1C100MG4312PN	DN06/08	G1/2"	PP-NATUR
1C100MG4312PP	DN06/08	G1/2"	PP
1C100MG4312PV	DN06/08	G1/2"	PVDF
1C100MG4312PVFK	DN06/08	G1/2"	PVDF/FFKM
1C100MG4314PF	DN06/08	G1/4"	PFA
1C100MG4314PFFK	DN06/08	G1/4"	PFA/FFKM
1C100MG4314PFFP	DN06/08	G1/4"	PFA/FPM
1C100MG4314PN	DN06/08	G1/4"	PP-NATUR
1C100MG4314PP	DN06/08	G1/4"	PP
1C100MG4314PPEP	DN06/08	G1/4"	PP/EPDM
1C100MG4314PPFP	DN06/08	G1/4"	PP/FPM
1C100MG4314PV	DN06/08	G1/4"	PVDF
1C100MG4314PVFP	DN06/08	G1/4"	PVDF/FPM
1C100MG4318PF	DN06/08	G1/8"	PFA
1C100MG4318PP	DN06/08	G1/8"	PP
1C100MG4318PPFP	DN06/08	G1/8"	PP/FPM
1C100MG4318PV	DN06/08	G1/8"	PVDF
1C100MG4318PVFP	DN06/08	G1/8"	PVDF/FPM
1C100MG4334PF	DN06/08	G3/4"	PFA
1C100MG4338PF	DN06/08	G3/8"	PFA
1C100MG4338PFFP	DN06/08	G3/8"	PFA/FPM
1C100MG4338PN	DN06/08	G3/8"	PP-NATUR
1C100MG4338PP	DN06/08	G3/8"	PP
1C100MG4338PV	DN06/08	G3/8"	PVDF
1C100MG4338PVFP	DN06/08	G3/8"	PVDF/FPM
1C100MG4412PF	DN06/10	G1/2"	PFA
1C100MG4412PV	DN06/10	G1/2"	PVDF
1C100MG4414PF	DN06/10	G1/4"	PFA
1C100MG4414PP	DN06/10	G1/4"	PP
1C100MG4414PV	DN06/10	G1/4"	PVDF
1C100MG4418PF	DN06/10	G1/8"	PFA
1C100MG4438PF	DN06/10	G3/8"	PFA
1C100MG4512PF	DN08/10	G1/2"	PFA
1C100MG4512PP	DN08/10	G1/2"	PP
1C100MG4512PV	DN08/10	G1/2"	PVDF
1C100MG4512PVFP	DN08/10	G1/2"	PVDF/FPM

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Straight connector for flexible tube (Series 1C)
with male G-thread

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Article-Nr	Connection A	Connection B	Material
1C100MG4514PF	DN08/10	G1/4"	PFA
1C100MG4514PFEP	DN08/10	G1/4"	PFA/EPDM
1C100MG4514PP	DN08/10	G1/4"	PP
1C100MG4514PPEL	DN08/10	G1/4"	PP-EL
1C100MG4514PV	DN08/10	G1/4"	PVDF
1C100MG4518PF	DN08/10	G1/8"	PFA
1C100MG4518PFFP	DN08/10	G1/8"	PFA/FPM
1C100MG4518PV	DN08/10	G1/8"	PVDF
1C100MG4518PVEP	DN08/10	G1/8"	PVDF/EPDM
1C100MG4538PF	DN08/10	G3/8"	PFA
1C100MG4538PFFP	DN08/10	G3/8"	PFA/FPM
1C100MG4538PP	DN08/10	G3/8"	PP
1C100MG4538PFFP	DN08/10	G3/8"	PP/FPM
1C100MG4538PV	DN08/10	G3/8"	PVDF
1C100MG4538PVFP	DN08/10	G3/8"	PVDF/FPM
1C100MG4612PF	DN08/12	G1/2"	PFA
1C100MG4612PP	DN08/12	G1/2"	PP
1C100MG4612PV	DN08/12	G1/2"	PVDF
1C100MG4614PF	DN08/12	G1/4"	PFA
1C100MG4614PP	DN08/12	G1/4"	PP
1C100MG4638PF	DN08/12	G3/8"	PFA
1C100MG4712PF	DN09/12	G1/2"	PFA
1C100MG4712PP	DN09/12	G1/2"	PP
1C100MG4712PV	DN09/12	G1/2"	PVDF
1C100MG4714PF	DN09/12	G1/4"	PFA
1C100MG4714PP	DN09/12	G1/4"	PP
1C100MG4714PV	DN09/12	G1/4"	PVDF
1C100MG4734PP	DN09/12	G3/4"	PP
1C100MG4738PF	DN09/12	G3/8"	PFA
1C100MG4738PP	DN09/12	G3/8"	PP
1C100MG4738PV	DN09/12	G3/8"	PVDF
1C100MG4812PF	DN10/12	G1/2"	PFA
1C100MG4812PFFK	DN10/12	G1/2"	PFA/FFKM
1C100MG4812PP	DN10/12	G1/2"	PP
1C100MG4812PPFP	DN10/12	G1/2"	PP/FPM
1C100MG4812PV	DN10/12	G1/2"	PVDF
1C100MG4812PVFP	DN10/12	G1/2"	PVDF/FPM
1C100MG4814PF	DN10/12	G1/4"	PFA
1C100MG4814PP	DN10/12	G1/4"	PP
1C100MG4814PV	DN10/12	G1/4"	PVDF
1C100MG4814PVFP	DN10/12	G1/4"	PVDF/FPM
1C100MG4818PF	DN10/12	G1/8"	PFA
1C100MG4818PP	DN10/12	G1/8"	PP
1C100MG4834PF	DN10/12	G3/4"	PFA
1C100MG4834PP	DN10/12	G3/4"	PP
1C100MG4834PV	DN10/12	G3/4"	PVDF
1C100MG4838PF	DN10/12	G3/8"	PFA
1C100MG4838PFFP	DN10/12	G3/8"	PFA/FPM
1C100MG4838PP	DN10/12	G3/8"	PP
1C100MG4838PV	DN10/12	G3/8"	PVDF
1C100MG4838PVFP	DN10/12	G3/8"	PVDF/FPM
1C100MG4912PF	DN10/14	G1/2"	PFA
1C100MG4912PP	DN10/14	G1/2"	PP
1C100MG5112PF	DN12/14	G1/2"	PFA
1C100MG5112PP	DN12/14	G1/2"	PP
1C100MG5112PV	DN12/14	G1/2"	PVDF
1C100MG5114PF	DN12/14	G1/4"	PFA
1C100MG5114PP	DN12/14	G1/4"	PP
1C100MG5114PV	DN12/14	G1/4"	PVDF
1C100MG5134PF	DN12/14	G3/4"	PFA
1C100MG5138PF	DN12/14	G3/8"	PFA
1C100MG5138PP	DN12/14	G3/8"	PP

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**Straight connector for flexible tube (Series 1C)
with male G-thread**

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Article-Nr	Connection A	Connection B	Material
1C100MG5212PF	DN12/16	G1/2"	PFA
1C100MG5212PP	DN12/16	G1/2"	PP
1C100MG5212PV	DN12/16	G1/2"	PVDF
1C100MG5214PV	DN12/16	G1/4"	PVDF
1C100MG5312PAEP	DN14/16	G1/2"	PA/EPDM
1C100MG5312PF	DN14/16	G1/2"	PFA
1C100MG5338PF	DN14/16	G3/8"	PFA
1C100MG5534PF	DN16/18	G3/4"	PFA
1C100MG5612PF	DN16/20	G1/2"	PFA
1C100MG5634PF	DN16/20	G3/4"	PFA
1C100MG5734PF	DN18/20	G3/4"	PFA
1C100MG5734PV	DN18/20	G3/4"	PVDF
1C100MG7712PP	DN06/09	G1/2"	PP
1C100MG7712PV	DN06/09	G1/2"	PVDF
1C100MG7714PF	DN06/09	G1/4"	PFA
1C100MG7714PP	DN06/09	G1/4"	PP
1C100MG7714PV	DN06/09	G1/4"	PVDF
1C100MG7718PF	DN06/09	G1/8"	PFA
1C100MG7718PP	DN06/09	G1/8"	PP
1C100MG7718PV	DN06/09	G1/8"	PVDF
1C100MG7738PP	DN06/09	G3/8"	PP
1C100MG7738PV	DN06/09	G3/8"	PVDF

Dimensions 1A100MG. . . , 1C100MG. . .

A(DN)		B(G)		l2	~L3*	SW3	
4/6		1/6"/1/4"	1/8"	8	23.5	14	
4/6		1/6"/1/4"	1/4"	12	25	17	
4/6		1/6"/1/4"	3/8"	12	26.5	22	
4/6		1/6"/1/4"	1/2"	14	29	27	
5/8	6/8		1/8"	8	28.5	17	
5/8	6/8		1/4"	12	29	17	
5/8	6/8		3/8"	12	30.5	22	
5/8	6/8		1/2"	14	33	27	
6/9			1/8"	8	32.5	19	
6/9			1/4"	12	33	19	
6/9			3/8"	12	33.5	22	
6/9			1/2"	14	36	27	
6/10	8/10	1/4"/3/8"	1/8"	8	32.5	19	
6/10	8/10	1/4"/3/8"	1/4"	12	33	19	
6/10	8/10	1/4"/3/8"	3/8"	12	33.5	22	
6/10	8/10	1/4"/3/8"	1/2"	14	36	27	
8/12	9/12	10/12	3/8"/1/2"	1/8"	8	36.5	22
8/12	9/12	10/12	3/8"/1/2"	1/4"	12	37	22
8/12	9/12	10/12	3/8"/1/2"	3/8"	12	37.5	22
8/12	9/12	10/12	3/8"/1/2"	1/2"	14	40	27
8/12	9/12	10/12	3/8"/1/2"	3/4"	16	42	32
10/14	12/14		1/8"	8	42.5	24	
10/14	12/14		1/4"	12	43	24	
10/14	12/14		3/8"	12	43.5	24	
10/14	12/14		1/2"	14	45	27	
10/14	12/14		3/4"	16	48	32	
12/16	14/16		1/4"	12	46	27	
12/16	14/16		3/8"	12	46.5	27	
12/16	14/16		1/2"	14	47	27	
12/16	14/16		3/4"	16	50	32	
14/18	16/18		1/4"	12	49	27	
14/18	16/18		3/8"	12	49.5	27	
14/18	16/18		1/2"	14	50	27	
14/18	16/18		3/4"	16	53	32	
16/20	18/20	5/8"/3/4"	1/4"	14	55	32	
16/20	18/20	5/8"/3/4"	3/8"	14	55	32	

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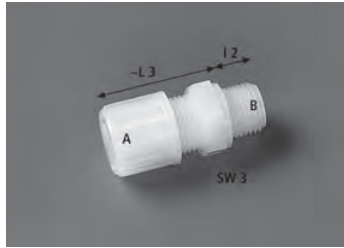
**Straight connector for flexible tube (Series 1C)
with male G-thread**

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	A(DN)		B(G)	l2	~L3*	SW3
16/20	18/20	5/8"/3/4"	1/2"	16	55	32
16/20	18/20	5/8"/3/4"	3/4"	16	55	32

**Straight connector for flexible tube (Series 1C)
with male M-thread**

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Article-Nr	Connection A	Connection B	Material
1C100MM3911PP	DN04/05	M10x1	PP
1C100MM4005PF	DN04/06	M5	PFA
1C100MM4005PP	DN04/06	M5	PP
1C100MM4005PV	DN04/06	M5	PVDF
1C100MM4006PF	DN04/06	M6	PFA
1C100MM4006PFFP	DN04/06	M6	PFA/FPM
1C100MM4006PV	DN04/06	M6	PVDF
1C100MM4011PAEP	DN04/06	M10x1	PA/EPDM
1C100MM4011PF	DN04/06	M10x1	PFA
1C100MM4011PP	DN04/06	M10x1	PP
1C100MM4011PVFP	DN04/06	M10x1	PVDF/FPM
1C100MM4012PF	DN04/06	M10x1,5	PFA
1C100MM4012PFFP	DN04/06	M10x1,5	PFA/FPM
1C100MM4015PFFP	DN04/06	M12x1,5	PFA/FPM
1C100MM4015PVFP	DN04/06	M12x1,5	PVDF/FPM
1C100MM4311PAEP	DN06/08	M10x1	PA/EPDM
1C100MM4311PP	DN06/08	M10x1	PP
1C100MM4312PF	DN06/08	M10x1,5	PFA
1C100MM4312PFFP	DN06/08	M10x1,5	PP/FPM
1C100MM4315PV	DN06/08	M12x1,5	PVDF
1C100MM4317PF	DN06/08	M14x1,5	PFA
1C100MM4319PF	DN06/08	M16x1,5	PFA
1C100MM4323PF	DN06/08	M20x1,5	PFA
1C100MM4412PF	DN06/10	M10x1,5	PFA
1C100MM4512PF	DN08/10	M10x1,5	PFA
1C100MM4815PF	DN10/12	M12x1,5	PFA
1C100MM4815PV	DN10/12	M12x1,5	PVDF
1C100MM4819PFFP	DN10/12	M16x1,5	PP/FPM
1C100MM4821PF	DN10/12	M18x1,5	PFA

Dimensions 1A100MM. . . , 1C100MM. . .

	A(DN)	B(M)	I2	~L3	SW3	
		5	6	23.5	12	
		6	6	23.5	12	
		10x1	8	23.5	14	
		10x1,5	8	23.5	14	
		12x1,5	12	25	17	
		14x1,5	12	26.5	19	
		16x1,5	12	26.5	22	
		18x1,5	12	28	24	
	6/8	10x1	8	28.5	17	
	6/8	10x1,5	8	28.5	17	
	6/8	12x1,5	12	29	17	
	6/8	14x1,5	12	30.5	19	
	6/8	16x1,5	12	30.5	22	
	6/8	18x1,5	12	32	24	
	6/9	10x1	8	31.5	17	
	6/9	10x1,5	8	31.5	17	
	6/9	12x1,5	12	32	17	
	6/9	14x1,5	12	33.5	19	
	6/9	16x1,5	12	33.5	22	
	6/9	18x1,5	12	35	24	
	6/10	10x1	8	32.5	19	
	6/10	10x1,5	8	32.5	19	
	6/10	12x1,5	12	33	19	
	6/10	14x1,5	12	33.5	19	
	6/10	16x1,5	12	33.5	22	
	6/10	18x1,5	12	35	24	
	8/12	10/12	10x1,5	8	36.5	22
	8/12	10/12	12x1,5	12	37	22
	8/12	10/12	14x1,5	12	37	22

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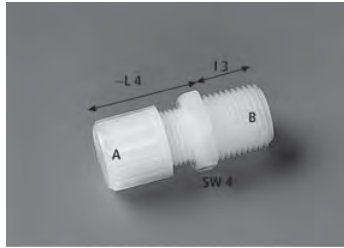
**Straight connector for flexible tube (Series 1C)
with male M-thread**

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	A(DN)		B(M)	l2	~L3	SW3
8/12	9/12	10/12	16x1,5	12	37.5	22
8/12	9/12	10/12	18x1,5	12	39	24
10/14	12/14		12x1,5	12	43	24
10/14	12/14		14x1,5	12	43	24
10/14	12/14		16x1,5	12	43.5	24
10/14	12/14		18x1,5	12	44	24
12/16	14/16		12x1,5	12	47	27
12/16	14/16		14x1,5	12	47	27
12/16	14/16		16x1,5	12	47	27
12/16	14/16		18x1,5	12	47	27
14/18	16/18		18x1,5	12	50	27
14/18	16/18		20x1,5	14	50	27
14/18	16/18		22x1,5	14	50	27
14/18	16/18		24x1,5	16	50	27
16/20	18/20		20x1,5	14	55	32
16/20	18/20		22x1,5	14	55	32
16/20	18/20		24x1,5	16	55	32

**Straight connector for flexible tube (Series 1C)
with male NPT-thread**

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Article-Nr	Connection A	Connection B	Material
1C100MN0312PV	DN1/8"/1/4"	NPT1/2"	PVDF
1C100MN0314PF	DN1/8"/1/4"	NPT1/4"	PFA
1C100MN0314PP	DN1/8"/1/4"	NPT1/4"	PP
1C100MN0314PV	DN1/8"/1/4"	NPT1/4"	PVDF
1C100MN0318PF	DN1/8"/1/4"	NPT1/8"	PFA
1C100MN0318PV	DN1/8"/1/4"	NPT1/8"	PVDF
1C100MN0414PF	DN5/32"/1/4"	NPT1/4"	PFA
1C100MN0512PV	DN1/6"/1/4"	NPT1/2"	PVDF
1C100MN0514PF	DN1/6"/1/4"	NPT1/4"	PFA
1C100MN0514PP	DN1/6"/1/4"	NPT1/4"	PP
1C100MN0514PV	DN1/6"/1/4"	NPT1/4"	PVDF
1C100MN0518PF	DN1/6"/1/4"	NPT1/8"	PFA
1C100MN0518PP	DN1/6"/1/4"	NPT1/8"	PP
1C100MN0518PV	DN1/6"/1/4"	NPT1/8"	PVDF
1C100MN0538PF	DN1/6"/1/4"	NPT3/8"	PFA
1C100MN0614PF	DN3/16"/1/4"	NPT1/4"	PFA
1C100MN0618PF	DN3/16"/1/4"	NPT1/8"	PFA
1C100MN0914PV	DN1/4"/5/16"	NPT1/4"	PVDF
1C100MN1112PF	DN1/4"/3/8"	NPT1/2"	PFA
1C100MN1114PF	DN1/4"/3/8"	NPT1/4"	PFA
1C100MN1114PP	DN1/4"/3/8"	NPT1/4"	PP
1C100MN1138PF	DN1/4"/3/8"	NPT3/8"	PFA
1C100MN1138PP	DN1/4"/3/8"	NPT3/8"	PP
1C100MN1138PV	DN1/4"/3/8"	NPT3/8"	PVDF
1C100MN1214PF	DN5/16"/3/8"	NPT1/4"	PFA
1C100MN1512PF	DN3/8"/1/2"	NPT1/2"	PFA
1C100MN1512PP	DN3/8"/1/2"	NPT1/2"	PP
1C100MN1512PV	DN3/8"/1/2"	NPT1/2"	PVDF
1C100MN1514PF	DN3/8"/1/2"	NPT1/4"	PFA
1C100MN1514PP	DN3/8"/1/2"	NPT1/4"	PP
1C100MN1514PV	DN3/8"/1/2"	NPT1/4"	PVDF
1C100MN1518PV	DN3/8"/1/2"	NPT1/8"	PVDF
1C100MN1538PF	DN3/8"/1/2"	NPT3/8"	PFA
1C100MN1538PP	DN3/8"/1/2"	NPT3/8"	PP
1C100MN1538PV	DN3/8"/1/2"	NPT3/8"	PVDF
1C100MN2034PP	DN5/8"/3/4"	NPT3/4"	PP
1C100MN4012PF	DN04/06	NPT1/2"	PFA
1C100MN4012PV	DN04/06	NPT1/2"	PVDF
1C100MN4014PF	DN04/06	NPT1/4"	PFA
1C100MN4014PN	DN04/06	NPT1/4"	PP-NATUR
1C100MN4014PP	DN04/06	NPT1/4"	PP
1C100MN4014PV	DN04/06	NPT1/4"	PVDF
1C100MN4018PF	DN04/06	NPT1/8"	PFA
1C100MN4018PN	DN04/06	NPT1/8"	PP-NATUR
1C100MN4018PP	DN04/06	NPT1/8"	PP
1C100MN4018PV	DN04/06	NPT1/8"	PVDF
1C100MN4038PF	DN04/06	NPT3/8"	PFA
1C100MN4038PP	DN04/06	NPT3/8"	PP
1C100MN4038PV	DN04/06	NPT3/8"	PVDF
1C100MN4212PF	DN05/08	NPT1/2"	PFA
1C100MN4214PV	DN05/08	NPT1/4"	PVDF
1C100MN4312PF	DN06/08	NPT1/2"	PFA
1C100MN4312PP	DN06/08	NPT1/2"	PP
1C100MN4312PV	DN06/08	NPT1/2"	PVDF
1C100MN4314PF	DN06/08	NPT1/4"	PFA
1C100MN4314PP	DN06/08	NPT1/4"	PP
1C100MN4314PV	DN06/08	NPT1/4"	PVDF
1C100MN4318PF	DN06/08	NPT1/8"	PFA
1C100MN4318PP	DN06/08	NPT1/8"	PP
1C100MN4318PV	DN06/08	NPT1/8"	PVDF
1C100MN4338PF	DN06/08	NPT3/8"	PFA
1C100MN4338PV	DN06/08	NPT3/8"	PVDF

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Straight connector for flexible tube (Series 1C)
with male NPT-thread

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Article-Nr	Connection A	Connection B	Material
1C100MN4412PF	DN06/10	NPT1/2"	PFA
1C100MN4414PF	DN06/10	NPT1/4"	PFA
1C100MN4418PF	DN06/10	NPT1/8"	PFA
1C100MN4438PF	DN06/10	NPT3/8"	PFA
1C100MN4512PF	DN08/10	NPT1/2"	PFA
1C100MN4512PP	DN08/10	NPT1/2"	PP
1C100MN4512PV	DN08/10	NPT1/2"	PVDF
1C100MN4514PF	DN08/10	NPT1/4"	PFA
1C100MN4514PN	DN08/10	NPT1/4"	PP-NATUR
1C100MN4514PP	DN08/10	NPT1/4"	PP
1C100MN4514PPEL	DN08/10	NPT1/4"	PP-EL
1C100MN4514PV	DN08/10	NPT1/4"	PVDF
1C100MN4518PF	DN08/10	NPT1/8"	PFA
1C100MN4518PP	DN08/10	NPT1/8"	PP
1C100MN4538PF	DN08/10	NPT3/8"	PFA
1C100MN4538PP	DN08/10	NPT3/8"	PP
1C100MN4538PPEL	DN08/10	NPT3/8"	PP
1C100MN4538PV	DN08/10	NPT3/8"	PVDF
1C100MN4612PF	DN08/12	NPT1/2"	PFA
1C100MN4612PP	DN08/12	NPT1/2"	PP
1C100MN4614PF	DN08/12	NPT1/4"	PFA
1C100MN4614PP	DN08/12	NPT1/4"	PP
1C100MN4638PF	DN08/12	NPT3/8"	PFA
1C100MN4712PF	DN09/12	NPT1/2"	PFA
1C100MN4712PV	DN09/12	NPT1/2"	PVDF
1C100MN4812PF	DN10/12	NPT1/2"	PFA
1C100MN4812PP	DN10/12	NPT1/2"	PP
1C100MN4812PV	DN10/12	NPT1/2"	PVDF
1C100MN4814PF	DN10/12	NPT1/4"	PFA
1C100MN4814PP	DN10/12	NPT1/4"	PP
1C100MN4814PV	DN10/12	NPT1/4"	PVDF
1C100MN4818PP	DN10/12	NPT1/8"	PP
1C100MN4834PF	DN10/12	NPT3/4"	PFA
1C100MN4838PF	DN10/12	NPT3/8"	PFA
1C100MN4838PP	DN10/12	NPT3/8"	PP
1C100MN4838PV	DN10/12	NPT3/8"	PVDF
1C100MN4914PP	DN10/14	NPT1/4"	PP
1C100MN4938PP	DN10/14	NPT3/8"	PP
1C100MN5112PF	DN12/14	NPT1/2"	PFA
1C100MN5112PP	DN12/14	NPT1/2"	PP
1C100MN5114PF	DN12/14	NPT1/4"	PFA
1C100MN5138PF	DN12/14	NPT3/8"	PFA
1C100MN5212PF	DN12/16	NPT1/2"	PFA
1C100MN5312PF	DN14/16	NPT1/2"	PFA
1C100MN5312PP	DN14/16	NPT1/2"	PP
1C100MN5334PF	DN14/16	NPT3/4"	PFA
1C100MN5712PV	DN18/20	NPT1/2"	PVDF
1C100MN5734PV	DN18/20	NPT3/4"	PVDF
1C100MN7714PV	DN06/09	NPT1/4"	PVDF

Dimensions 1A100MN... , 1C100MN...

A(DN)	B(NPT)	l3	~L4*	SW4	
4/6	1/6"/1/4"	1/8"	10	22	12
4/6	1/6"/1/4"	1/4"	15	23	17
4/6	1/6"/1/4"	3/8"	15.3	24	19
4/6	1/6"/1/4"	1/2"	20	25	24
5/8	6/8	1/8"	10	27	17
5/8	6/8	1/4"	15	27	17
5/8	6/8	3/8"	15.3	28	19
5/8	6/8	1/2"	20	29	24
6/9		1/8"	10		

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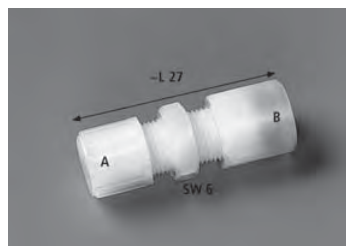
**Straight connector for flexible tube (Series 1C)
with male NPT-thread**

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A(DN)			B(NPT)		I3	~L4*	SW4
6/9				1/4"	15		
6/9				3/8"	15.3		
6/9				1/2"	20		
6/10	8/10		1/4"/3/8"	1/8"	10	31	19
6/10	8/10		1/4"/3/8"	1/4"	15	31	19
6/10	8/10		1/4"/3/8"	3/8"	15.3	31	19
6/10	8/10		1/4"/3/8"	1/2"	20	32	24
8/12	9/12	10/12	3/8"/1/2"	1/8"	10	35	22
8/12	9/12	10/12	3/8"/1/2"	1/4"	15	35	22
8/12	9/12	10/12	3/8"/1/2"	3/8"	15.3	35	22
8/12	9/12	10/12	3/8"/1/2"	1/2"	20	36	24
8/12	9/12	10/12	3/8"/1/2"	3/4"	20	40	32
10/14	12/14			1/8"	10	41	24
10/14	12/14			1/4"	15	41	24
10/14	12/14			3/8"	15.3	41	24
10/14	12/14			1/2"	20	41	24
10/14	12/14			3/4"	20	45	32
12/16	14/16			1/4"	15	44	27
12/16	14/16			3/8"	15.3	44	27
12/16	14/16			1/2"	20	44	27
12/16	14/16			3/4"	20	47	32
14/18	16/18			1/4"	15	47	27
14/18	16/18			3/8"	15.3	47	27
14/18	16/18			1/2"	20	47	27
14/18	16/18			3/4"	20	50	32
16/20	18/20			3/8"	15.3	52	32
16/20	18/20		5/8"/3/4"	1/2"	20	52	32
16/20	18/20		5/8"/3/4"	3/4"	20	52	32

Straight union for flexible tube (Series 1C) with connection for pipe (Series 2N)

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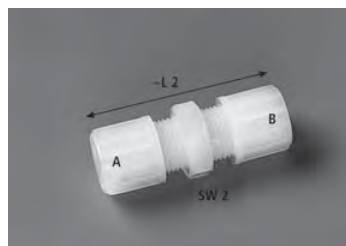
Article-Nr	Connection A	Connection B	Material
1C100P0315PF	DN1/8"/1/4"	D1/2"	PFA
1C100P0540PV	DN1/6"/1/4"	D06	PVDF
1C100P0705PF	DN3/16"/5/16"	D1/4"	PFA
1C100P1105PF	DN1/4"/3/8"	D1/4"	PFA
1C100P4003PF	DN04/06	D1/8"	PFA
1C100P4005PF	DN04/06	D1/4"	PFA
1C100P4015PF	DN04/06	D1/2"	PFA
1C100P4030PF	DN04/06	D3,0	PFA
1C100P4038PF	DN04/06	D04	PFA
1C100P4043PF	DN04/06	D08	PFA
1C100P4048PF	DN04/06	D12	PFA
1C100P4048PP	DN04/06	D12	PP
1C100P4048PV	DN04/06	D12	PVDF
1C100P40PF	DN04/06	D06	PFA
1C100P40PP	DN04/06	D06	PP
1C100P40PV	DN04/06	D06	PVDF
1C100P4345PF	DN06/08	D10	PFA
1C100P4345PV	DN06/08	D10	PVDF
1C100P43PF	DN06/08	D08	PFA
1C100P4540PF	DN08/10	D06	PFA
1C100P4548PV	DN08/10	D12	PVDF
1C100P4561PF	DN08/10	D25	PFA
1C100P45PF	DN08/10	D10	PFA
1C100P45PV	DN08/10	D10	PVDF
1C100P46PP	DN08/12	D12	PP
1C100P4815PF	DN10/12	D1/2"	PFA
1C100P4853PF	DN10/12	D16	PFA
1C100P48PF	DN10/12	D12	PFA
1C100P48PV	DN10/12	D12	PVDF

Dimensions 1A100P... , 1C100P...

A(DN)		B(D)		~L27*	SW6
4/6		1/6"-1/4"	6	1/4"	17
5/8	6/8		8		19
6/9					
6/10	8/10	1/4"-3/8"	10	3/8"	22
8/12	9/12	10/12	12	1/2"	24
10/14	12/14		14		27
12/16	14/16		16		27
14/18	16/18		18	3/4"	32
16/20	18/20	5/8"-3/4"	20		32

**Straight union for flexible tube on both ends
(Series 1C)**

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Article-Nr	Connection A	Connection B	Material
1C100T03PF	DN1/8"/1/4"	DN1/8"/1/4"	PFA
1C100T03PV	DN1/8"/1/4"	DN1/8"/1/4"	PVDF
1C100T05PF	DN1/6"/1/4"	DN1/6"/1/4"	PFA
1C100T05PP	DN1/6"/1/4"	DN1/6"/1/4"	PP
1C100T05PV	DN1/6"/1/4"	DN1/6"/1/4"	PVDF
1C100T1105PF	DN1/4"/3/8"	DN1/6"/1/4"	PFA
1C100T1105PP	DN1/4"/3/8"	DN1/6"/1/4"	PP
1C100T1105PV	DN1/4"/3/8"	DN1/6"/1/4"	PVDF
1C100T11PF	DN1/4"/3/8"	DN1/4"/3/8"	PFA
1C100T12PF	DN5/16"/3/8"	DN5/16"/3/8"	PFA
1C100T15PF	DN3/8"/1/2"	DN3/8"/1/2"	PFA
1C100T15PV	DN3/8"/1/2"	DN3/8"/1/2"	PVDF
1C100T2015PP	DN5/8"/3/4"	DN3/8"/1/2"	PP
1C100T20PF	DN5/8"/3/4"	DN5/8"/3/4"	PFA
1C100T20PV	DN5/8"/3/4"	DN5/8"/3/4"	PVDF
1C100T4004PF	DN04/06	DN5/32"/1/4	PFA
1C100T4005PF	DN04/06	DN1/6"/1/4"	PFA
1C100T4011PV	DN04/06	DN1/4"/3/8"	PVDF
1C100T40PF	DN04/06	DN04/06	PFA
1C100T40PP	DN04/06	DN04/06	PP
1C100T40PV	DN04/06	DN04/06	PVDF
1C100T4240PF	DN05/08	DN04/06	PFA
1C100T42PF	DN05/08	DN05/08	PFA
1C100T42PP	DN05/08	DN05/08	PP
1C100T42PV	DN05/08	DN05/08	PVDF
1C100T4303PF	DN06/08	DN1/8"/1/4"	PFA
1C100T4303PV	DN06/08	DN1/8"/1/4"	PVDF
1C100T4311PF	DN06/08	DN1/4"/3/8"	PFA
1C100T4311PV	DN06/08	DN1/4"/3/8"	PVDF
1C100T4315PF	DN06/08	DN3/8"/1/2"	PFA
1C100T4315PV	DN06/08	DN3/8"/1/2"	PVDF
1C100T4340PF	DN06/08	DN04/06	PFA
1C100T4340PP	DN06/08	DN04/06	PP
1C100T4340PV	DN06/08	DN04/06	PVDF
1C100T43PF	DN06/08	DN06/08	PFA
1C100T43PP	DN06/08	DN06/08	PP
1C100T43PV	DN06/08	DN06/08	PVDF
1C100T4440PF	DN06/10	DN04/06	PFA
1C100T4440PV	DN06/10	DN04/06	PVDF
1C100T44PF	DN06/10	DN06/10	PFA
1C100T44PV	DN06/10	DN06/10	PVDF
1C100T4511PV	DN08/10	DN1/4"/3/8"	PVDF
1C100T4515PV	DN08/10	DN3/8"/1/2"	PVDF
1C100T4540PF	DN08/10	DN04/06	PFA
1C100T4540PP	DN08/10	DN04/06	PP
1C100T4540PV	DN08/10	DN04/06	PVDF
1C100T4543PF	DN08/10	DN06/08	PFA
1C100T4543PP	DN08/10	DN06/08	PP
1C100T4543PV	DN08/10	DN06/08	PVDF
1C100T45PF	DN08/10	DN08/10	PFA
1C100T45PP	DN08/10	DN08/10	PP
1C100T45PV	DN08/10	DN08/10	PVDF
1C100T4640PF	DN08/12	DN04/06	PFA
1C100T4640PP	DN08/12	DN04/06	PP
1C100T4640PV	DN08/12	DN04/06	PVDF
1C100T4643PF	DN08/12	DN06/08	PFA
1C100T4643PV	DN08/12	DN06/08	PVDF
1C100T4644PF	DN08/12	DN06/10	PFA
1C100T46PF	DN08/12	DN08/12	PFA
1C100T46PV	DN08/12	DN08/12	PVDF
1C100T4740PV	DN09/12	DN04/06	PVDF
1C100T47PF	DN09/12	DN09/12	PFA

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**Straight union for flexible tube on both ends
(Series 1C)**

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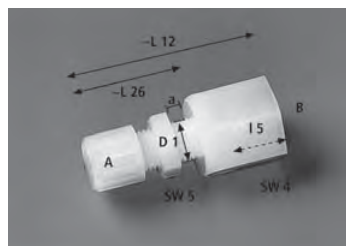
Article-Nr	Connection A	Connection B	Material
1C100T47PP	DN09/12	DN09/12	PP
1C100T47PV	DN09/12	DN09/12	PVDF
1C100T4811PF	DN10/12	DN1/4"/3/8"	PFA
1C100T4815PV	DN10/12	DN3/8"/1/2"	PVDF
1C100T4840PF	DN10/12	DN04/06	PFA
1C100T4840PV	DN10/12	DN04/06	PVDF
1C100T4843PF	DN10/12	DN06/08	PFA
1C100T4843PP	DN10/12	DN06/08	PP
1C100T4843PV	DN10/12	DN06/08	PVDF
1C100T4845PF	DN10/12	DN08/10	PFA
1C100T4845PV	DN10/12	DN08/10	PVDF
1C100T48PF	DN10/12	DN10/12	PFA
1C100T48PP	DN10/12	DN10/12	PP
1C100T48PV	DN10/12	DN10/12	PVDF
1C100T4945PF	DN10/14	DN08/10	PFA
1C100T49PF	DN10/14	DN10/14	PFA
1C100T49PP	DN10/14	DN10/14	PP
1C100T5140PF	DN12/14	DN04/06	PFA
1C100T5148PF	DN12/14	DN10/12	PFA
1C100T5148PP	DN12/14	DN10/12	PP
1C100T51PF	DN12/14	DN12/14	PFA
1C100T51PP	DN12/14	DN12/14	PP
1C100T52PF	DN12/16	DN12/16	PFA
1C100T53PF	DN14/16	DN14/16	PFA
1C100T5545PF	DN16/18	DN08/10	PFA
1C100T56PF	DN16/20	DN16/20	PFA
1C100T7740PP	DN06/09	DN04/06	PP
1C100T77PP	DN06/09	DN06/09	PP
1C100T77PV	DN06/09	DN06/09	PVDF

Dimensions 1A100T... , 1C100T...

	A-B(DN)		~L2*	SW2
4/6		1/6"-1/4"	39	14
5/8**	6/8		49	19 (17)**
6/9			55	22
6/10	8/10	1/4"-3/8"	55	22
8/12	9/12	10/12	64	24
10/14	12/14		74	24
12/16	14/16		79	27
14/18	16/18		85	27
16/20	18/20	5/8"-3/4"	92	32

Straight bulkhead connector for flexible tube (Series 1C) with female NPT-thread

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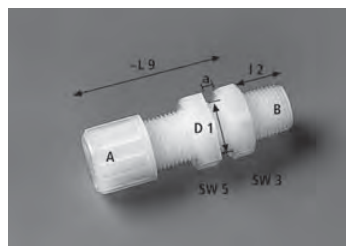
Article-Nr	Connection A	Connection B	Material
1C101FN1512PF	DN3/8"/1/2"	NPT1/2"	PFA
1C101FN4014PF	DN04/06	NPT1/4"	PFA
1C101FN4014PV	DN04/06	NPT1/4"	PVDF
1C101FN4018PV	DN04/06	NPT1/8"	PVDF
1C101FN4312PF	DN06/08	NPT1/2"	PFA
1C101FN4512PF	DN08/10	NPT1/2"	PFA

Dimensions 1A101FN... , 1C101FN...

A(DN)		B(NPT)	I5	~L12*	~L26*	SW4	SW5	ØD1	a
4/6		1/8"	11.6	47	31	14	14	10.5	9
		1/6"/1/4"							
4/6		1/4"	16.4	54	31	17	14	10.5	9
		1/6"/1/2"							
4/6		3/8"	17.4	55	31	22	14	10.5	9
		1/6"/1/4"							
4/6		1/2"	22.6	60	31	27	14	10.5	9
		1/6"/1/2"							
5/8	6/8	1/8"	11.6	53	36	19	19	14.5	9
5/8	6/8	1/4"	16.4	58	36	19	19	14.5	9
5/8	6/8	3/8"	17.4	59	36	22	19	14.5	9
5/8	6/8	1/2"	22.6	64	36	27	19	14.5	9
6/9		1/8"	11.6			22	22	16.5	
6/9		1/4"	16.4			22	22	16.5	
6/9		3/8"	17.4			22	22	16.5	
6/9		1/2"	22.6			27	22	16.5	
6/10	8/10	1/8"	11.6	58	41	22	22	16.5	10
		1/4"/3/8"							
6/10	8/10	1/4"	16.4	63	41	22	22	16.5	10
		1/4"/3/4"							
6/10	8/10	3/8"	17.4	64	41	22	22	16.5	10
		1/4"/3/8"							
6/10	8/10	1/2"	22.6	70	41	27	22	16.5	10
		1/4"/3/4"							
8/12	9/12	1/4"	16.4	70	48	24	24	18.5	12
	10/12	3/8"/1/2"							
8/12	9/12	3/8"	17.4	71	48	24	24	18.5	12
	10/12	3/8"/1/2"							
8/12	9/12	1/2"	22.6	77	48	27	24	18.5	12
	10/12	3/8"/1/2"							
8/12	9/12	3/4"	23.1	77	48	32	24	18.5	12
	10/12	3/8"/1/2"							
10/14		1/4"	16.4	76	56	24	27	20.5	14
	12/14								
10/14		3/8"	17.4	77	56	24	27	20.5	14
	12/14								
10/14		1/2"	22.6	84	56	27	27	20.5	14
	12/14								
10/14		3/4"	23.1	84	56	32	27	20.5	14
	12/14								
12/16		3/8"	17.4	84	61	27	27	22.5	16
	14/16								
12/16		1/2"	22.6	89	61	27	27	22.5	16
	14/16								
12/16		3/4"	23.1	89	61	32	27	22.5	16
	14/16								
14/18		1/2"	22.6	91	64	27	30	24.5	16
	16/18								
14/18		3/4"	23.1	91	64	32	30	24.5	16
	16/18								
		1/4"	16.4	89	68	32	32	26.5	18
		5/8"/3/4"							
		3/8"	17.4	90	68	32	32	26.5	18
		5/8"/3/4"							
16/20		1/2"	22.6	96	68	32	32	26.5	18
	18/20	5/8"/3/4"							
16/20		3/4"	23.1	96	68	32	32	26.5	18
	18/20	5/8"/3/4"							

Straight bulkhead connector for flexible tube (Series 1C) with male G-thread

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Article-Nr	Connection A	Connection B	Material
1C101MG0314PF	DN1/8"/1/4"	G1/4"	PFA
1C101MG0514PF	DN1/6"/1/4"	G1/4"	PFA
1C101MG05314PFFK	DN1/6"/1/4"	G1/4"	PFA/FFKM
1C101MG0538PV	DN1/6"/1/4"	G3/8"	PVDF
1C101MG4014PF	DN04/06	G1/4"	PFA
1C101MG4014PP	DN04/06	G1/4"	PP
1C101MG4014PVFP	DN04/06	G1/4"	PVDF/FPM
1C101MG4018PF	DN04/06	G1/8"	PFA
1C101MG4314PF	DN06/08	G1/4"	PFA
1C101MG4314PP	DN06/08	G1/4"	PP
1C101MG4314PV	DN06/08	G1/4"	PVDF
1C101MG4318PP	DN06/08	G1/8"	PP
1C101MG4318PV	DN06/08	G1/8"	PVDF
1C101MG4338PF	DN06/08	G3/8"	PFA
1C101MG4512PF	DN08/10	G1/2"	PFA
1C101MG4538PF	DN08/10	G3/8"	PFA
1C101MG4812PF	DN10/12	G1/2"	PFA
1C101MG4812PP	DN10/12	G1/2"	PP

Dimensions 1A101MG... , 1C101MG...

	A(DN)	B(G)	l2	~L9*	SW3	SW5	ØD1	a
4/6		1/8"	8	37.5	14	14	10.5	9
		1/6"/1/4"						
4/6		1/4"	12	39	17	14	10.5	9
		1/6"/1/4"						
4/6		3/8"	12	40.5	22	14	10.5	9
		1/6"/1/4"						
4/6		1/2"	14	43	27	14	10.5	9
		1/6"/1/4"						
5/8	6/8	1/8"	8	44.5	19	19	14.5	9
5/8	6/8	1/4"	12	45	19	19	14.5	9
5/8	6/8	3/8"	12	45.5	22	19	14.5	9
5/8	6/8	1/2"	14	48	27	19	14.5	9
6/9		1/8"	8	32.5	22	22	16.5	
6/9		1/4"	12	33	22	22	16.5	
6/9		3/8"	12	33.5	22	22	16.5	
6/9		1/2"	14	36	27	22	16.5	
6/10	8/10	1/8"	8	49.5	22	22	16.5	10
		1/4"/3/8"						
6/10	8/10	1/4"	12	50	22	22	16.5	10
		1/4"/3/8"						
6/10	8/10	3/8"	12	50.5	22	22	16.5	10
		1/4"/3/8"						
6/10	8/10	1/2"	14	53	27	22	16.5	10
		1/4"/3/8"						
8/12	9/12	1/4"	12	58	24	24	18.5	12
	10/12	3/8"/1/2"						
8/12	9/12	3/8"	12	58.5	24	24	18.5	12
	10/12	3/8"/1/2"						
8/12	9/12	1/2"	14	60	27	24	18.5	12
	10/12	3/8"/1/2"						
8/12	9/12	3/4"	16	61	32	24	18.5	12
	10/12	3/8"/1/2"						
10/14		1/4"	12	67	24	27	20.5	14
	12/14							
10/14		3/8"	12	67.5	24	27	20.5	14
	12/14							
10/14		1/2"	14	68	27	27	20.5	14
	12/14							
10/14		3/4"	16	69	32	27	20.5	14
	12/14							
12/16		3/8"	12	72.5	27	27	22.5	16
	14/16							
12/16		1/2"	14	73	27	27	22.5	16
	14/16							

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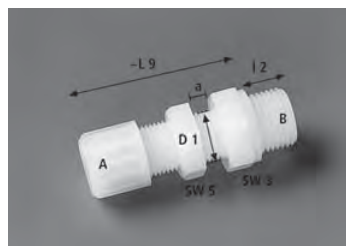
**Straight bulkhead connector for flexible tube
(Series 1C) with male G-thread**

1

	A(DN)	B(G)	l2	~L9*	SW3	SW5	ØD1	a
12/16	14/16	3/4"	16	74	32	27	22.5	16
14/18	16/18	1/2"	14	79	27	30	24.5	16
14/18	16/18	3/4"	16	79	32	30	24.5	16
		1/4"	12	80	32	32	26.5	18
		5/8"/3/4						
		3/8"	12	80.5	32	32	26.5	18
		5/8"/3/4"						
16/20	18/20	1/2"	14	81	32	32	26.5	18
		5/8"/3/4						
16/20	18/20	3/4"	16	81	32	32	26.5	18
		5/8"/3/4"						

Straight bulkhead connector for flexible tube (Series 1C) with male M-thread

1



Article-Nr	Connection A	Connection B	Material
1C101MM4011PP	DN04/06	M10x1	PP

Dimensions 1A101MM. . ., 1C101MM. . .

	A(DN)	B(M)	l2	~L9	SW3	SW5	ØD1	a
4/6		5	6	37.5	12	14	10.5	9
4/6		6	6	37.5	12	14	10.5	9
4/6		10x1	8	37.5	14	14	10.5	9
4/6		10x1,5	8	37.5	14	14	10.5	9
4/6		12x1,5	12	39	17	14	10.5	9
4/6		14x1,5	12	40.5	19	14	10.5	9
4/6		16x1,5	12	40.5	22	14	10.5	9
4/6		18x1,5	12	42	24	14	10.5	9
5/8	6/8	10x1	8	43.5	19	19	14.5	9
5/8	6/8	10x1,5	8	43.5	19	19	14.5	9
5/8	6/8	12x1,5	12	44	19	19	14.5	9
5/8	6/8	14x1,5	12	45.5	19	19	14.5	9
5/8	6/8	16x1,5	12	45.5	22	19	14.5	9
5/8	6/8	18x1,5	12	47	24	19	14.5	9
6/9		10x1	8		19	22	16.5	
6/9		10x1,5	8		19	22	16.5	
6/9		12x1,5	12		19	22	16.5	
6/9		14x1,5	12		19	22	16.5	
6/9		16x1,5	12		22	22	16.5	
6/9		18x1,5	12		24	22	16.5	
6/10	8/10	10x1	8	49.5	22	22	16.5	10
6/10	8/10	10x1,5	8	49.5	22	22	16.5	10
6/10	8/10	12x1,5	12	50	22	22	16.5	10
6/10	8/10	14x1,5	12	50.5	22	22	16.5	10
6/10	8/10	16x1,5	12	50.5	22	22	16.5	10
6/10	8/10	18x1,5	12	52	24	22	16.5	10
8/12	9/12	10/12	12	57	24	24	18.5	12
8/12	9/12	10/12	12	57	24	24	18.5	12
8/12	9/12	10/12	12	57.5	24	24	18.5	12
8/12	9/12	10/12	12	59	24	24	18.5	12
10/14	12/14	12x1,5	12	66	24	27	20.5	14
10/14	12/14	14x1,5	12	66	24	27	20.5	14
10/14	12/14	16x1,5	12	66.5	24	27	20.5	14
10/14	12/14	18x1,5	12	67	24	27	20.5	14
12/16	14/16	14x1,5	12	73	27	27	22.5	16

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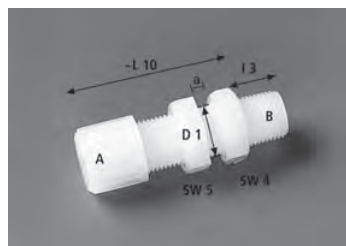
**Straight bulkhead connector for flexible tube
(Series 1C) with male M-thread**

1

	A(DN)	B(M)	l2	~L9	SW3	SW5	ØD1	a
12/16	14/16	16x1,5	12	73	27	27	22.5	16
12/16	14/16	18x1,5	12	73	27	27	22.5	16
14/18	16/18	18x1,5	12	76	27	30	24.5	16
14/18	16/18	20x1,5	14	76	27	30	24.5	16
14/18	16/18	22x1,5	14	76	27	30	24.5	16
14/18	16/18	24x1,5	16	76	27	30	24.5	16
16/20	18/20	20x1,5	14	83	32	32	26.5	18
16/20	18/20	22x1,5	14	83	32	32	26.5	18
16/20	18/20	24x1,5	16	83	32	32	26.5	18

Straight bulkhead connector for flexible tube (Series 1C) with male NPT-thread

1



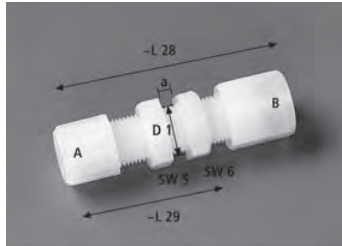
Article-Nr	Connection A	Connection B	Material
1C101MN0314PF	DN1/8"/1/4"	NPT1/4"	PFA
1C101MN4014PF	DN04/06	NPT1/4"	PFA
1C101MN4014PV	DN04/06	NPT1/4"	PVDF
1C101MN4018PV	DN04/06	NPT1/8"	PVDF
1C101MN4314PV	DN06/08	NPT1/4"	PVDF

Dimensions 1A101MN... , 1C101MN...

A(DN)		B(NPT)	l3	~L10*	SW4	SW5	ØD1	a
4/6		1/8"	10	36	14	14	10.5	9
	1/6"/1/4"							
4/6		1/4"	15	37	17	14	10.5	9
	1/6"/1/4"							
4/6		3/8"	15.3	37	19	14	10.5	9
	1/6"/1/4"							
4/6		1/2"	20	39	24	14	10.5	9
	1/6"/1/4"							
5/8	6/8	1/8"	10	42	17	19	14.5	9
5/8	6/8	1/4"	15	42	19	19	14.5	9
5/8	6/8	3/8"	15.3	42	19	19	14.5	9
5/8	6/8	1/2"	20	44	24	19	14.5	9
6/9		1/8"	10		22	22	16.5	
6/9		1/4"	15		22	22	16.5	
6/9		3/8"	15.3		22	22	16.5	
6/9		1/2"	20		24	22	16.5	
6/10	8/10	1/8"	10	48	22	22	16.5	10
	1/4"/3/8"							
6/10	8/10	1/4"	15	48	22	22	16.5	10
	1/4"/3/8"							
6/10	8/10	3/8"	15.3	48	22	22	16.5	10
	1/4"/3/8"							
6/10	8/10	1/2"	20	49	24	22	16.5	10
	1/4"/3/8"							
8/12	9/12	1/4"	15	56	24	24	18.5	12
	10/12	3/8"/1/2"						
8/12	9/12	3/8"	15.3	56	24	24	18.5	12
	10/12	3/8"/1/2"						
8/12	9/12	1/2"	20	57	27	24	18.5	12
	10/12	3/8"/1/2"						
8/12	9/12	3/4"	20	58	32	24	18.5	12
	10/12	3/8"/1/2"						
10/14		1/4"	15	65	27	27	20.5	14
	12/14							
10/14		3/8"	15.3	65	27	27	20.5	14
	12/14							
10/14		1/2"	20	65	27	27	20.5	14
	12/14							
10/14		3/4"	20	66	32	27	20.5	14
	12/14							
12/16		3/8"	15.3	70	27	27	22.5	16
	14/16							
12/16		1/2"	20	70	27	27	22.5	16
	14/16							
12/16		3/4"	20	71	32	27	22.5	16
	14/16							
14/18		1/2"	20	73	27	30	24.5	16
	16/18							
14/18		3/4"	20	74	32	30	24.5	16
	16/18							
		1/4"	15	78	32	32	26.5	18
	5/8"/3/4"							
		3/8"	15.3	78	32	32	26.5	18
	5/8"/3/4"							
16/20		1/2"	20	78	32	32	26.5	18
	18/20	5/8"/3/4"						
16/20		3/4"	20	78	32	32	26.5	18
	18/20	5/8"/3/4"						

Straight bulkhead union for flexible tube (Series 1C) with connection for pipe (Series 2N)

1



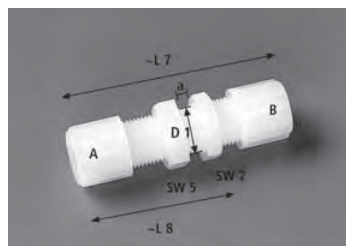
Article-Nr	Connection A	Connection B	Material
1C101P03PF	DN1/8"/1/4"	D1/4"	PFA
1C101P11PN	DN1/4"/3/8"	D3/8"	PP-NATUR
1C101P11PP	DN1/4"/3/8"	D3/8"	PP
1C101P4003PF	DN04/06	D1/8"	PFA
1C101P4005PF	DN04/06	D1/4"	PFA
1C101P4038PF	DN04/06	D04	PFA
1C101P40PF	DN04/06	D06	PFA
1C101P40PP	DN04/06	D06	PP
1C101P40PV	DN04/06	D06	PVDF
1C101P43PV	DN06/08	D08	PVDF
1C101P48PV	DN10/12	D12	PVDF

Dimensions 1A101P... , 1C101P...

A(DN)		B(D)		~L28*	~L29*	SW5	SW6	ØD1	a
4/6	1/6"- 1/4"	6	1/4"	64	37	14	17	10.5	9
5/8	6/8	8		70	43	19	19	14.5	9
6/9		10						16.5	
6/10	8/10	10	3/8"	78	48	22	22	16.5	10
8/12	9/12	12	1/2"	89	56	24	24	18.5	12
	10/12		1/2"						
10/14	12/14	14		98	65	27	27	20.5	14
12/16	14/16	16		106	73	27	32	22.5	16
14/18	16/18	18		115	76	30	32	24.5	16
16/20	18/20	20	3/4"	119	80	32	32	26.5	18
			3/4"						

Straight bulkhead union for flexible tube on both ends (Series 1C)

1



Article-Nr	Connection A	Connection B	Material
1C101T03PF	DN1/8"/1/4"	DN1/8"/1/4"	PFA
1C101T0515PV	DN1/6"/1/4"	DN3/8"/1/2"	PVDF
1C101T05PF	DN1/6"/1/4"	DN1/6"/1/4"	PFA
1C101T05PP	DN1/6"/1/4"	DN1/6"/1/4"	PP
1C101T05PV	DN1/6"/1/4"	DN1/6"/1/4"	PVDF
1C101T06PF	DN3/16"/1/4"	DN3/16"/1/4"	PFA
1C101T1105PF	DN1/4"/3/8"	DN1/6"/1/4"	PFA
1C101T1143PP	DN1/4"/3/8"	DN06/08	PP
1C101T11PF	DN1/4"/3/8"	DN1/4"/3/8"	PFA
1C101T11PN	DN1/4"/3/8"	DN1/4"/3/8"	PP-NATUR
1C101T11PP	DN1/4"/3/8"	DN1/4"/3/8"	PP
1C101T11PV	DN1/4"/3/8"	DN1/4"/3/8"	PVDF
1C101T15PF	DN3/8"/1/2"	DN3/8"/1/2"	PFA
1C101T15PV	DN3/8"/1/2"	DN3/8"/1/2"	PVDF
1C101T4003PV	DN04/06	DN1/8"/1/4"	PVDF
1C101T4004PF	DN04/06	DN5/32"/1/4"	PFA
1C101T4005PF	DN04/06	DN1/6"/1/4"	PFA
1C101T4005PP	DN04/06	DN1/6"/1/4"	PP
1C101T4043PF	DN04/06	DN06/08	PFA
1C101T4043PN	DN04/06	DN06/08	PP-NATUR
1C101T4043PP	DN04/06	DN06/08	PP
1C101T4043PV	DN04/06	DN06/08	PVDF
1C101T4045PF	DN04/06	DN08/10	PFA
1C101T4045PV	DN04/06	DN08/10	PVDF
1C101T4048PF	DN04/06	DN10/12	PFA
1C101T4048PV	DN04/06	DN10/12	PVDF
1C101T40PF	DN04/06	DN04/06	PFA
1C101T40PN	DN04/06	DN04/06	PP-NATUR
1C101T40PP	DN04/06	DN04/06	PP
1C101T40PV	DN04/06	DN04/06	PVDF
1C101T42PF	DN05/08	DN05/08	PFA
1C101T42PV	DN05/08	DN05/08	PVDF
1C101T4311PF	DN06/08	DN1/4"/3/8"	PFA
1C101T4340PP	DN06/08	DN04/06	PP
1C101T4340PV	DN06/08	DN04/06	PVDF
1C101T4345PF	DN06/08	DN08/10	PFA
1C101T4345PV	DN06/08	DN08/10	PVDF
1C101T4348PF	DN06/08	DN10/12	PFA
1C101T43PF	DN06/08	DN06/08	PFA
1C101T43PP	DN06/08	DN06/08	PP
1C101T43PV	DN06/08	DN06/08	PVDF
1C101T44PF	DN06/10	DN06/10	PFA
1C101T4540PF	DN08/10	DN04/06	PFA
1C101T4548PV	DN08/10	DN10/12	PVDF
1C101T45PF	DN08/10	DN08/10	PFA
1C101T45PP	DN08/10	DN08/10	PP
1C101T45PV	DN08/10	DN08/10	PVDF
1C101T4640PV	DN08/12	DN04/06	PVDF
1C101T46PF	DN08/12	DN08/12	PFA
1C101T47PF	DN09/12	DN09/12	PFA
1C101T47PV	DN09/12	DN09/12	PVDF
1C101T4840PF	DN10/12	DN04/06	PFA
1C101T4840PV	DN10/12	DN04/06	PVDF
1C101T48PF	DN10/12	DN10/12	PFA
1C101T48PP	DN10/12	DN10/12	PP
1C101T48PV	DN10/12	DN10/12	PVDF
1C101T51PF	DN12/14	DN12/14	PFA
1C101T52PF	DN12/16	DN12/16	PFA
1C101T77PP	DN06/09	DN06/09	PP

Dimensions 1A101T... , 1C101T...

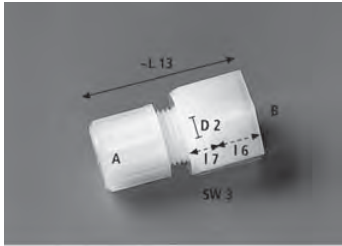
Straight bulkhead union for flexible tube on both ends (Series 1C)

1

A-B(DN)			~L7	~L8	SW2	SW5	ØD1	a
4/6		1/6"- 1/4"	53	36	14	14	10.5	9
5/8**	6/8		64	43	19 (17)**	19	14.5	9
6/9					22		16.5	
6/10	8/10	1/4"- 3/8"	73	49	22	22	16.5	10
8/12	9/12 10/12	3/8"- 1/2"	84	56	24	24	18.5	12
10/14	12/14		98	65	27	27	20.5	14
12/16	14/16		105	70	27	27	22.5	16
14/18	16/18		111	73	27	30	24.5	16
16/20	18/20	5/8"- 3/4"	120	80	32	32	26.5	18

Straight pressure gauge connector for flexible tube (Series 1C) with female G-thread

1



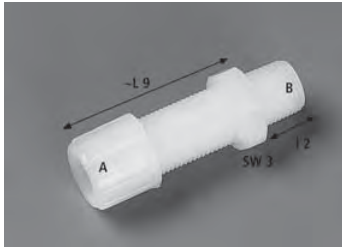
Article-Nr	Connection A	Connection B	Material
1C110FG4012PF	DN04/06	G1/2"	PFA
1C110FG4012PP	DN04/06	G1/2"	PP
1C110FG4014PF	DN04/06	G1/4"	PFA
1C110FG4014PP	DN04/06	G1/4"	PP
1C110FG4014PV	DN04/06	G1/4"	PVDF
1C110FG4312PP	DN06/08	G1/2"	PP
1C110FG4314PF	DN06/08	G1/4"	PFA
1C110FG4314PP	DN06/08	G1/4"	PP
1C110FG4812PF	DN10/12	G1/2"	PFA

Dimensions 1A110FG... , 1C110FG...

A(DN)	B(G)	I6	I7	~L13*	SW3	ØD2
4/6	1/4"	10	4	36.5	17	5,5
1/6"/1/4"						
4/6	1/2"	18	6	44	27	7
1/6"/1/4"						
5/8	1/4"	10	4	38	17	5,5
6/8	1/2"	18	6	48	27	7
6/9	1/4"	10	4			
6/9	1/2"	18	6			
6/10	1/4"	10	4	41	19	5,5
1/4"/3/8"						
6/10	1/2"	18	6	51	27	7
8/10	1/4"/3/8"					
1/4"/3/8"						
8/12	1/2"	18	6	55	27	7

Straight connector for flexible tube (Series 1C) with male G-thread (long model)

1



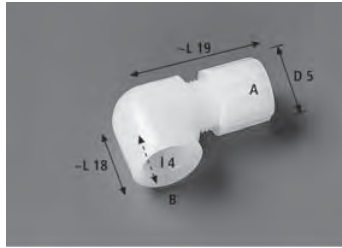
Article-Nr	Connection A	Connection B	Material
1C110MG4014PP	DN04/06	G1/4"	PP
1C110MG4018PV	DN04/06	G1/8"	PVDF
1C110MG4314PF	DN06/08	G1/4"	PFA
1C110MG4812PF	DN10/12	G1/2"	PFA
1C150MG4014PN	DN04/06	G1/4"	PP-NATUR
1C150MG4014PV	DN04/06	G1/4"	PVDF

Dimensions 1A110MG. . . , 1C110MG. . .

A(DN)		B(G)	l2	~L9*	SW3		
4/6		1/6"/1/4"	1/8"	8	37.5	14	
4/6		1/6"/1/4"	1/4"	12	39	17	
4/6		1/6"/1/4"	3/8"	12	40.5	22	
4/6		1/6"/1/4"	1/2"	14	43	27	
5/8	6/8		1/8"	8	44.5	19	
5/8	6/8		1/4"	12	45	19	
5/8	6/8		3/8"	12	45.5	22	
5/8	6/8		1/2"	14	48	27	
6/9			1/8"	8	32.5	22	
6/9			1/4"	12	33	22	
6/9			3/8"	12	33.5	22	
6/9			1/2"	14	36	27	
6/10	8/10	1/4"/3/8"	1/8"	8	49.5	22	
6/10	8/10	1/4"/3/8"	1/4"	12	50	22	
6/10	8/10	1/4"/3/8"	3/8"	12	50.5	22	
6/10	8/10	1/4"/3/8"	1/2"	14	53	27	
8/12	9/12	10/12	3/8"/1/2"	1/4"	12	58	24
8/12	9/12	10/12	3/8"/1/2"	3/8"	12	58.5	24
8/12	9/12	10/12	3/8"/1/2"	1/2"	14	60	27
8/12	9/12	10/12	3/8"/1/2"	3/4"	16	61	32
10/14	12/14		1/4"	12	67	24	
10/14	12/14		3/8"	12	67.5	24	
10/14	12/14		1/2"	14	68	27	
10/14	12/14		3/4"	16	69	32	
12/16	14/16		3/8"	12	72.5	27	
12/16	14/16		1/2"	14	73	27	
12/16	14/16		3/4"	16	74	32	
14/18	16/18		1/2"	14	79	27	
14/18	16/18		3/4"	16	79	32	
		5/8"/3/4"	1/4"	12	80	32	
		5/8"/3/4"	3/8"	12	80.5	32	
16/20	18/20	5/8"/3/4"	1/2"	14	81	32	
16/20	18/20	5/8"/3/4"	3/4"	16	81	32	

Elbow connector for flexible tube (Series 1C) with female G-thread

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Article-Nr	Connection A	Connection B	Material
1C200FG0518PF	DN1/6"/1/4"	G1/8"	PFA
1C200FG0518PP	DN1/6"/1/4"	G1/8"	PP
1C200FG1512PF	DN3/8"/1/2"	G1/2"	PFA
1C200FG1514PF	DN3/8"/1/2"	G1/4"	PFA
1C200FG1538PF	DN3/8"/1/2"	G3/8"	PFA
1C200FG4014PF	DN04/06	G1/4"	PFA
1C200FG4014PP	DN04/06	G1/4"	PP
1C200FG4014PV	DN04/06	G1/4"	PVDF
1C200FG4212PF	DN05/08	G1/2"	PFA
1C200FG4312PF	DN06/08	G1/2"	PFA
1C200FG4312PV	DN06/08	G1/2"	PVDF
1C200FG4314PF	DN06/08	G1/4"	PFA
1C200FG4314PP	DN06/08	G1/4"	PP
1C200FG4314PV	DN06/08	G1/4"	PVDF
1C200FG4318PF	DN06/08	G1/8"	PFA
1C200FG4338PF	DN06/08	G3/8"	PFA
1C200FG4338PV	DN06/08	G3/8"	PVDF
1C200FG4512PV	DN08/10	G1/2"	PVDF
1C200FG4514PF	DN08/10	G1/4"	PFA
1C200FG4514PP	DN08/10	G1/4"	PP
1C200FG4538PF	DN08/10	G3/8"	PFA
1C200FG4612PF	DN08/12	G1/2"	PFA
1C200FG4638PF	DN08/12	G3/8"	PFA
1C200FG4812PF	DN10/12	G1/2"	PFA
1C200FG4812PP	DN10/12	G1/2"	PP
1C200FG4814PF	DN10/12	G1/4"	PFA
1C200FG4814PV	DN10/12	G1/4"	PVDF
1C200FG4834PF	DN10/12	G3/4"	PFA
1C200FG4838PF	DN10/12	G3/8"	PFA
1C200FG4838PV	DN10/12	G3/8"	PVDF
1C200FG5112PF	DN12/14	G1/2"	PFA
1C200FG5212PP	DN12/16	G1/2"	PP

Dimensions 1A200FG... , 1C200FG...

	A(DN)		B(G)	I4	L18	~L19*	ØD5
4/6		1/6"/1/4"	1/8"	10	17	26	15
4/6		1/6"/1/4"	1/4"	15	20	29	20
4/6		1/6"/1/4"	3/8"	15	20	32	25
4/6		1/6"/1/4"	1/2"	16	23	34	30
5/8	6/8		1/8"	10	17	30	15
5/8	6/8		1/4"	15	20	33	20
5/8	6/8		3/8"	15	20	36	25
5/8	6/8		1/2"	16	23	38	30
6/9			1/8"	10			
6/9			1/4"	15			
6/9			3/8"	15			
6/9			1/2"	16			
6/10	8/10		1/8"	10	17	36	20
6/10	8/10	1/4"/3/8"	1/4"	15	20	36	20
6/10	8/10	1/4"/3/8"	3/8"	15	20	39	25
6/10	8/10	1/4"/3/8"	1/2"	16	23	41	30
8/12	9/12	10/12	1/8"	10	20	40	20
8/12	9/12	10/12	1/4"	15	20	40	20
8/12	9/12	10/12	3/8"/1/2"	15	20	43	25
			3/8"/1/2"				

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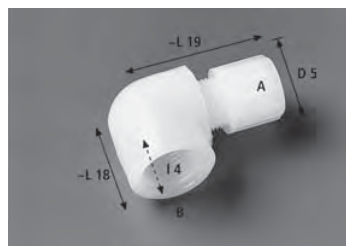
Elbow connector for flexible tube (Series 1C)
with female G-thread

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	A(DN)		B(G)	I4	L18	-L19*	ØD5	
8/12	9/12	10/12	3/8"/1/2"	1/2"	16	23	45	30
8/12	9/12	10/12	3/8"/1/2"	3/4"	20	37	56	45
10/14	12/14			1/8"	10	23	48	25
10/14	12/14			1/4"	15	23	48	25
10/14	12/14			3/8"	15	23	48	25
10/14	12/14			1/2"	16	25	50	30
10/14	12/14			3/4"	20	37	61	45
12/16	14/16			1/4"	15	25	50	25
12/16	14/16			3/8"	15	25	50	25
12/16	14/16			1/2"	16	25	52	30
12/16	14/16			3/4"	20	37	63	45
14/18	16/18			1/4"	15	25	55	30
14/18	16/18			3/8"	15	25	55	30
14/18	16/18			1/2"	16	25	55	30
14/18	16/18			3/4"	20	37	66	45
16/20	18/20			1/4"	15	25	57	30
16/20	18/20		5/8"/3/4"	3/8"	15	25	57	30
16/20	18/20		5/8"/3/4"	1/2"	16	28	57	30
16/20	18/20		5/8"/3/4"	3/4"	20	37	68	45

Elbow connector for flexible tube (Series 1C) with female M-thread

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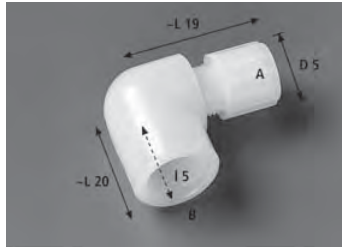
Article-Nr	Connection A	Connection B	Material
1C200FM4011PF	DN04/06	M10x1	PFA
1C200FM4011PP	DN04/06	M10x1	PP
1C200FM4311PF	DN06/08	M10x1	PFA
1C200FM4311PP	DN06/08	M10x1	PP
1C200FM4318PF	DN06/08	M16x1	PFA

Dimensions 1A200FM... , 1C200FM...

	A(DN)		B(M)	I4	L18	~L19	ØD5
4/6			5	8	17	25	13
4/6			6	10	17	26	15
4/6			10x1,5	10	17	26	15
4/6			12x1,5	15	20	29	20
4/6			14x1,5	15	20	29	20
4/6			16x1,5	15.5	20	32	25
4/6			18x1,5	16.5	20	32	25
5/8	6/8		10x1	10	17	30	15
5/8	6/8		10x1,5	10	17	30	15
5/8	6/8		12x1,5	15	20	33	20
5/8	6/8		14x1,5	15	20	33	20
5/8	6/8		16x1,5	15.5	20	36	25
5/8	6/8		18x1,5	16.5	20	36	25
6/9			10x1	10			
6/9			10x1,5	10			
6/9			12x1,5	15			
6/9			14x1,5	15			
6/9			16x1,5	15.5			
6/9			18x1,5	16.5			
6/10	8/10		10x1	10	17	36	20
6/10	8/10		10x1,5	10	20	36	20
6/10	8/10		12x1,5	15	20	36	20
6/10	8/10		14x1,5	15	20	36	20
6/10	8/10		16x1,5	15.5	20	39	25
6/10	8/10		18x1,5	16.5	20	39	25
8/12	9/12	10/12	12x1,5	15	20	40	20
8/12	9/12	10/12	14x1,5	15	20	40	20
8/12	9/12	10/12	16x1,5	15.5	20	43	25
8/12	9/12	10/12	18x1,5	16.5	20	43	25
10/14	12/14		12x1,5	15	23	48	25
10/14	12/14		14x1,5	15	23	48	25
10/14	12/14		16x1,5	15.5	25	48	25
10/14	12/14		18x1,5	16.5	25	48	25
12/16	14/16		14x1,5	15	25	50	25
12/16	14/16		16x1,5	15.5	25	50	25
12/16	14/16		18x1,5	16.5	25	50	25
14/18	16/18		18x1,5	16.5	28	55	30
14/18	16/18		20x1,5	16.5	28	55	30
14/18	16/18		22x1,5	18	28	55	30
14/18	16/18		24x1,5	18.5	28	55	30
16/20	18/20		20x1,5	16.5	28	57	30
16/20	18/20		22x1,5	18	28	57	30
16/20	18/20		24x1,5	18.5	28	57	30

Elbow connector for flexible tube (Series 1C) with female NPT-thread

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Article-Nr	Connection A	Connection B	Material
1C200FN1114PP	DN1/4"/3/8"	NPT1/4"	PP
1C200FN4014PF	DN04/06	NPT1/4"	PFA
1C200FN4014PP	DN04/06	NPT1/4"	PP
1C200FN4018PF	DN04/06	NPT1/8"	PFA
1C200FN4314PF	DN06/08	NPT1/4"	PFA
1C200FN4514PF	DN08/10	NPT1/4"	PFA
1C200FN4812PF	DN10/12	NPT1/2"	PFA
1C200FN5312PV	DN14/16	NPT1/2"	PVDF
1C200FN5712PV	DN18/20	NPT1/2"	PVDF
1C200FN5734PV	DN18/20	NPT3/4"	PVDF

Dimensions 1A200FN... , 1C200FN...

A(DN)		B(NPT)	I5	L20	~L19*	ØD5
4/6		1/8"	11.6	20	26	15
		1/6"/1/4"				
4/6		1/4"	16.4	24	29	20
		1/6"/1/4"				
4/6		3/8"	17.4	26	32	25
		1/6"/1/4"				
4/6		1/2"	22.6	32	34	30
		1/6"/1/4"				
5/8	6/8	1/8"	11.6	20	30	15
5/8	6/8	1/4"	16.4	24	33	20
5/8	6/8	3/8"	17.4	26	36	25
5/8	6/8	1/2"	22.6	32	38	30
6/9		1/8"	11.6	20		
6/9		1/4"	16.4	24		
6/9		3/8"	17.4	26		
6/9		1/2"	22.6	32		
6/10	8/10	1/8"	11.6	20	36	20
		1/4"/3/8"				
6/10	8/10	1/4"	16.4	24	36	20
		1/4"/3/8"				
6/10	8/10	3/8"	17.4	26	39	25
		1/4"/3/8"				
6/10	8/10	1/2"	22.6	32	41	30
		1/4"/3/8"				
8/12	9/12 10/12	1/4"	16.4	24	40	20
		3/8"/1/2"				
8/12	9/12 10/12	3/8"	17.4	26	43	20
		3/8"/1/2"				
8/12	9/12 10/12	1/2"	22.6	32	45	30
		3/8"/1/2"				
8/12	9/12 10/12	3/4"	23.1		56	45
		3/8"/1/2"				
10/14	12/14	1/4"	16.4	24	48	25
10/14	12/14	3/8"	17.4	26	48	25
10/14	12/14	1/2"	22.6	32	50	30
10/14	12/14	3/4"	23.1		61	45
12/16	14/16	3/8"	17.4	28	50	25
12/16	14/16	1/2"	22.6	34	52	30
12/16	14/16	3/4"	23.1		63	45
14/18	16/18	1/2"	22.6		55	30
14/18	16/18	3/4"	23.1		66	45
		1/4"	16.4		57	30
		5/8"/3/4"				
		3/8"	17.4		57	30
		5/8"/3/4"				
16/20	18/20	1/2"	22.6		57	30
		5/8"/3/4"				
16/20	18/20	3/4"	23.1		68	45
		5/8"/3/4"				

Elbow connector for flexible tube (Series 1C) with male G-thread

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Article-Nr	Connection A	Connection B	Material
1C200MG0314PFFK	DN1/8"/1/4"	G1/4"	PFA/FFKM
1C200MG0514PF	DN1/6"/1/4"	G1/4"	PFA
1C200MG0514PFFK	DN1/6"/1/4"	G1/4"	PFA/FFKM
1C200MG0514PP	DN1/6"/1/4"	G1/4"	PP
1C200MG0514PV	DN1/6"/1/4"	G1/4"	PVDF
1C200MG0518PF	DN1/6"/1/4"	G1/8"	PFA
1C200MG0518PP	DN1/6"/1/4"	G1/8"	PP
1C200MG0538PF	DN1/6"/1/4"	G3/8"	PFA
1C200MG1112PF	DN1/4"/3/8"	G1/2"	PFA
1C200MG1114PF	DN1/4"/3/8"	G1/4"	PFA
1C200MG1114PP	DN1/4"/3/8"	G1/4"	PP
1C200MG1138PF	DN1/4"/3/8"	G3/8"	PFA
1C200MG1512PF	DN3/8"/1/2"	G1/2"	PFA
1C200MG1512PP	DN3/8"/1/2"	G1/2"	PP
1C200MG1512PV	DN3/8"/1/2"	G1/2"	PVDF
1C200MG2034PV	DN5/8"/3/4"	G3/4"	PVDF
1C200MG3914PP	DN04/05	G1/4"	PP
1C200MG3918PP	DN04/05	G1/8"	PP
1C200MG4012PF	DN04/06	G1/2"	PFA
1C200MG4012PP	DN04/06	G1/2"	PP
1C200MG4012PV	DN04/06	G1/2"	PVDF
1C200MG4014PF	DN04/06	G1/4"	PFA
1C200MG4014PN	DN04/06	G1/4"	PP-NATUR
1C200MG4014PP	DN04/06	G1/4"	PP
1C200MG4014PV	DN04/06	G1/4"	PVDF
1C200MG4014PVFP	DN04/06	G1/4"	PVDF/FPM
1C200MG4018PF	DN04/06	G1/8"	PFA
1C200MG4018PFFP	DN04/06	G1/8"	PFA/FPM
1C200MG4018PN	DN04/06	G1/8"	PP-NATUR
1C200MG4018PP	DN04/06	G1/8"	PP
1C200MG4018PPEP	DN04/06	G1/8"	PP/EPDM
1C200MG4018PPFP	DN04/06	G1/8"	PP/FPM
1C200MG4018PV	DN04/06	G1/8"	PVDF
1C200MG4038PF	DN04/06	G3/8"	PFA
1C200MG4038PP	DN04/06	G3/8"	PP
1C200MG4038PV	DN04/06	G3/8"	PVDF
1C200MG4214PP	DN05/08	G1/4"	PP
1C200MG4218PP	DN05/08	G1/8"	PP
1C200MG4312PF	DN06/08	G1/2"	PFA
1C200MG4312PN	DN06/08	G1/2"	PP-NATUR
1C200MG4312PP	DN06/08	G1/2"	PP
1C200MG4312PPFP	DN06/08	G1/2"	PP/FPM
1C200MG4312PV	DN06/08	G1/2"	PVDF
1C200MG4314PF	DN06/08	G1/4"	PFA
1C200MG4314PN	DN06/08	G1/4"	PP-NATUR
1C200MG4314PP	DN06/08	G1/4"	PP
1C200MG4314PV	DN06/08	G1/4"	PVDF
1C200MG4318PF	DN06/08	G1/8"	PFA
1C200MG4318PP	DN06/08	G1/8"	PP
1C200MG4318PV	DN06/08	G1/8"	PVDF
1C200MG4334PF	DN06/08	G3/4"	PFA
1C200MG4338PF	DN06/08	G3/8"	PFA
1C200MG4338PFFP	DN06/08	G3/8"	PFA/FPM
1C200MG4338PP	DN06/08	G3/8"	PP
1C200MG4338PV	DN06/08	G3/8"	PVDF
1C200MG4414PF	DN06/10	G1/4"	PFA
1C200MG4414PP	DN06/10	G1/4"	PP
1C200MG4418PP	DN06/10	G1/8"	PP
1C200MG4438PP	DN06/10	G3/8"	PP
1C200MG4512PF	DN08/10	G1/2"	PFA
1C200MG4512PP	DN08/10	G1/2"	PP
1C200MG4512PV	DN08/10	G1/2"	PVDF

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Elbow connector for flexible tube (Series 1C)
with male G-thread

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Article-Nr	Connection A	Connection B	Material
1C200MG4512PVFP	DN08/10	G1/2"	PVDF/FPM
1C200MG4514PF	DN08/10	G1/4"	PFA
1C200MG4514PP	DN08/10	G1/4"	PP
1C200MG4514PPEL	DN08/10	G1/4"	PP-EL
1C200MG4514PV	DN08/10	G1/4"	PVDF
1C200MG4518PF	DN08/10	G1/8"	PFA
1C200MG4538PF	DN08/10	G3/8"	PFA
1C200MG4538PP	DN08/10	G3/8"	PP
1C200MG4612PF	DN08/12	G1/2"	PFA
1C200MG4612PP	DN08/12	G1/2"	PP
1C200MG4614PF	DN08/12	G1/4"	PFA
1C200MG4614PP	DN08/12	G1/4"	PP
1C200MG4638PV	DN08/12	G3/8"	PVDF
1C200MG4714PF	DN09/12	G1/4"	PFA
1C200MG4714PFEP	DN09/12	G1/4"	PFA/EPDM
1C200MG4738PP	DN09/12	G3/8"	PP
1C200MG4812PF	DN10/12	G1/2"	PFA
1C200MG4812PP	DN10/12	G1/2"	PP
1C200MG4812PV	DN10/12	G1/2"	PVDF
1C200MG4814PF	DN10/12	G1/4"	PFA
1C200MG4814PP	DN10/12	G1/4"	PP
1C200MG4814PV	DN10/12	G1/4"	PVDF
1C200MG4814PVFP	DN10/12	G1/4"	PVDF/FPM
1C200MG4834PF	DN10/12	G3/4"	PFA
1C200MG4838PF	DN10/12	G3/8"	PFA
1C200MG4838PP	DN10/12	G3/8"	PP
1C200MG4838PV	DN10/12	G3/8"	PVDF
1C200MG4914PF	DN10/14	G1/4"	PFA
1C200MG5112PF	DN12/14	G1/2"	PFA
1C200MG5212PV	DN12/16	G1/2"	PVDF
1C200MG5312PP	DN14/16	G1/2"	PP
1C200MG7712PP	DN06/09	G1/2"	PP
1C200MG7714PF	DN06/09	G1/4"	PFA
1C200MG7714PP	DN06/09	G1/4"	PP
1C200MG7714PV	DN06/09	G1/4"	PVDF
1C200MG7718PP	DN06/09	G1/8"	PP
1C200MG7738PP	DN06/09	G3/8"	PP

Dimensions 1A200MG. . . , 1C200MG. . .

	A(DN)	B(G)	l2	L16	-L17*	ØD4	
4/6		1/6"/1/4"	1/8"	8	12	25	13
4/6		1/6"/1/4"	1/4"	12	13	26	15
4/6		1/6"/1/4"	3/8"	12	19	29	20
4/6		1/6"/1/4"	1/2"	14	15	32	25
5/8	6/8		1/8"	8	15	30	15
5/8	6/8		1/4"	12	15	30	15
5/8	6/8		3/8"	12	15	33	20
5/8	6/8		1/2"	14	15	36	25
6/9			1/8"	8			
6/9			1/4"	12			
6/9			3/8"	12			
6/9			1/2"	14			
6/10	8/10		1/8"	8	17	36	20
6/10	8/10	1/4"/3/8"	1/4"	12	17	36	20
6/10	8/10	1/4"/3/8"	3/8"	12	17	36	20
6/10	8/10	1/4"/3/8"					

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Elbow connector for flexible tube (Series 1C)
with male G-thread

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	A(DN)		B(G)	l2	L16	-L17*	ØD4	
6/10	8/10		1/4"/3/8"	1/2"	14	17	39	25
8/12	9/12	10/12	3/8"/1/2"	1/4"	12	19	40	20
8/12	9/12	10/12	3/8"/1/2"	3/8"	12	19	40	20
8/12	9/12	10/12	3/8"/1/2"	1/2"	14	19	43	25
8/12	9/12	10/12	3/8"/1/2"	3/4"	16	19	45	30
10/14	12/14			1/4"	12	21	48	25
10/14	12/14			3/8"	12	21	48	25
10/14	12/14			1/2"	14	21	48	25
10/14	12/14			3/4"	16	21	50	30
12/16	14/16			3/8"	12	23	50	25
12/16	14/16			1/2"	14	23	50	25
12/16	14/16			3/4"	16	23	52	30
14/18	16/18			1/2"	14	25	55	30
14/18	16/18			3/4"	16	25	55	30
			5/8"/3/4"	1/4"	12	25	57	30
				3/8"	12	25	57	30
			5/8"/3/4"					
16/20	18/20			1/2"	14	25	57	30
			5/8"/3/4"					
16/20	18/20			3/4"	16	25	57	30
			5/8"/3/4"					

Elbow connector for flexible tube (Series 1C) with male M-thread

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Article-Nr	Connection A	Connection B	Material
1C200MM3911PP	DN04/05	M10x1	PP
1C200MM4005PF	DN04/06	M5	PFA
1C200MM4005PP	DN04/06	M5	PP
1C200MM4005PV	DN04/06	M5	PVDF
1C200MM4006PF	DN04/06	M6	PFA
1C200MM4011PF	DN04/06	M10x1	PFA
1C200MM4011PP	DN04/06	M10x1	PP
1C200MM4011PV	DN04/06	M10x1	PVDF
1C200MM4012PV	DN04/06	M10x1,5	PVDF
1C200MM4015PF	DN04/06	M12x1,5	PFA
1C200MM4015PVFP	DN04/06	M12x1,5	PVDF/FPM
1C200MM4415PV	DN06/10	M12x1,5	PVDF
1C200MM4815PV	DN10/12	M12x1,5	PVDF
1C200MM4821PF	DN10/12	M18x1,5	PFA

Dimensions 1A200MM. . . , 1C200MM. . .

	A(DN)	B(M)	I2	L16	~L17	ØD4		
	4/6	5	6	12	25	13		
	4/6	6	6	12	25	13		
	4/6	10x1	8	12	25	13		
	4/6	10x1,5	8	12	25	13		
	4/6	12x1,5	12	13	26	15		
	4/6	14x1,5	12	13	26	15		
	4/6	16x1,5	12	15	29	20		
	4/6	18x1,5	12	15	29	20		
	5/8	6/8	10x1	8	15	30	15	
	5/8	6/8	10x1,5	8	15	30	15	
	5/8	6/8	12x1,5	12	15	30	15	
	5/8	6/8	14x1,5	12	15	30	15	
	5/8	6/8	16x1,5	12	15	33	20	
	5/8	6/8	18x1,5	12	15	33	20	
	6/9		10x1	8				
	6/9		10x1,5	8				
	6/9		12x1,5	12				
	6/9		14x1,5	12				
	6/9		16x1,5	12				
	6/9		18x1,5	12				
	6/10	8/10	10x1	8	17	36	20	
	6/10	8/10	10x1,5	8	17	36	20	
	6/10	8/10	12x1,5	12	17	36	20	
	6/10	8/10	14x1,5	12	17	36	20	
	6/10	8/10	16x1,5	12	17	36	20	
	6/10	8/10	18x1,5	12	17	36	20	
	8/12	9/12	10/12	12x1,5	12	19	40	20
	8/12	9/12	10/12	14x1,5	12	19	40	20
	8/12	9/12	10/12	16x1,5	12	19	40	20
	8/12	9/12	10/12	18x1,5	12	19	40	20
	10/14	12/14		12x1,5	12	21	48	25
	10/14	12/14		14x1,5	12	21	48	25
	10/14	12/14		16x1,5	12	21	48	25
	10/14	12/14		18x1,5	12	21	48	25
	12/16	14/16		12x1,5	12	23	50	25
	12/16	14/16		14x1,5	12	23	50	25
	12/16	14/16		16x1,5	12	23	50	25
	12/16	14/16		18x1,5	12	23	50	25
	14/18	16/18		18x1,5	12	25	55	30
	14/18	16/18		20x1,5	14	25	55	30
	14/18	16/18		22x1,5	14	25	55	30
	14/18	16/18		24x1,5	16	25	55	30
	16/20	18/20		20x1,5	14	25	57	30
	16/20	18/20		22x1,5	14	25	57	30

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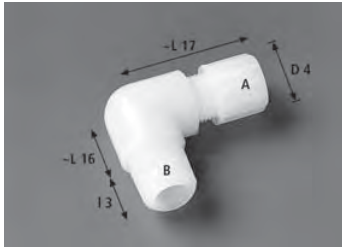
Elbow connector for flexible tube (Series 1C)
with male M-thread

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	A(DN)	B(M)	I2	L16	~L17	ØD4	
	16/20	18/20	24x1,5	16	25	57	30

Elbow connector for flexible tube (Series 1C)
with male NPT-thread

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Article-Nr	Connection A	Connection B	Material
1C200MN0314PF	DN1/8"/1/4"	NPT1/4"	PFA
1C200MN0314PP	DN1/8"/1/4"	NPT1/4"	PP
1C200MN0318PF	DN1/8"/1/4"	NPT1/8"	PFA
1C200MN0512PF	DN1/6"/1/4"	NPT1/2"	PFA
1C200MN0514PF	DN1/6"/1/4"	NPT1/4"	PFA
1C200MN0514PP	DN1/6"/1/4"	NPT1/4"	PP
1C200MN0514PV	DN1/6"/1/4"	NPT1/4"	PVDF
1C200MN0518PF	DN1/6"/1/4"	NPT1/8"	PFA
1C200MN0518PV	DN1/6"/1/4"	NPT1/8"	PVDF
1C200MN0538PV	DN1/6"/1/4"	NPT3/8"	PVDF
1C200MN1112PP	DN1/4"/3/8"	NPT1/2"	PP
1C200MN1114PP	DN1/4"/3/8"	NPT1/4"	PP
1C200MN1512PF	DN3/8"/1/2"	NPT1/2"	PFA
1C200MN1512PV	DN3/8"/1/2"	NPT1/2"	PVDF
1C200MN1514PF	DN3/8"/1/2"	NPT1/4"	PFA
1C200MN1538PF	DN3/8"/1/2"	NPT3/8"	PFA
1C200MN2034PP	DN5/8"/3/4"	NPT3/4"	PP
1C200MN4012PF	DN04/06	NPT1/2"	PFA
1C200MN4012PP	DN04/06	NPT1/2"	PP
1C200MN4014PF	DN04/06	NPT1/4"	PFA
1C200MN4014PN	DN04/06	NPT1/4"	PP-NATUR
1C200MN4014PP	DN04/06	NPT1/4"	PP
1C200MN4014PV	DN04/06	NPT1/4"	PVDF
1C200MN4018PF	DN04/06	NPT1/8"	PFA
1C200MN4018PN	DN04/06	NPT1/8"	PP-NATUR
1C200MN4018PP	DN04/06	NPT1/8"	PP
1C200MN4018PV	DN04/06	NPT1/8"	PVDF
1C200MN4038PF	DN04/06	NPT3/8"	PFA
1C200MN4038PP	DN04/06	NPT3/8"	PP
1C200MN4038PV	DN04/06	NPT3/8"	PVDF
1C200MN4312PF	DN06/08	NPT1/2"	PFA
1C200MN4312PP	DN06/08	NPT1/2"	PP
1C200MN4314PF	DN06/08	NPT1/4"	PFA
1C200MN4314PN	DN06/08	NPT1/4"	PP-NATUR
1C200MN4314PP	DN06/08	NPT1/4"	PP
1C200MN4314PV	DN06/08	NPT1/4"	PVDF
1C200MN4318PF	DN06/08	NPT1/8"	PFA
1C200MN4318PP	DN06/08	NPT1/8"	PP
1C200MN4318PV	DN06/08	NPT1/8"	PVDF
1C200MN4338PF	DN06/08	NPT3/8"	PFA
1C200MN4338PP	DN06/08	NPT3/8"	PP
1C200MN4338PV	DN06/08	NPT3/8"	PVDF
1C200MN4414PF	DN06/10	NPT1/4"	PFA
1C200MN4512PF	DN08/10	NPT1/2"	PFA
1C200MN4512PP	DN08/10	NPT1/2"	PP
1C200MN4514PF	DN08/10	NPT1/4"	PFA
1C200MN4514PN	DN08/10	NPT1/4"	PP-NATUR
1C200MN4514PP	DN08/10	NPT1/4"	PP
1C200MN4514PPEL	DN08/10	NPT1/4"	PP-EL
1C200MN4518PF	DN08/10	NPT1/8"	PFA
1C200MN4518PP	DN08/10	NPT1/8"	PP
1C200MN4538PF	DN08/10	NPT3/8"	PFA
1C200MN4538PP	DN08/10	NPT3/8"	PP
1C200MN4538PV	DN08/10	NPT3/8"	PVDF
1C200MN4638PF	DN08/12	NPT3/8"	PFA
1C200MN4638PV	DN08/12	NPT3/8"	PVDF
1C200MN4712PF	DN09/12	NPT1/2"	PFA
1C200MN4812PF	DN10/12	NPT1/2"	PFA
1C200MN4812PP	DN10/12	NPT1/2"	PP
1C200MN4812PV	DN10/12	NPT1/2"	PVDF
1C200MN4814PF	DN10/12	NPT1/4"	PFA
1C200MN4814PV	DN10/12	NPT1/4"	PVDF

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Elbow connector for flexible tube (Series 1C)
with male NPT-thread

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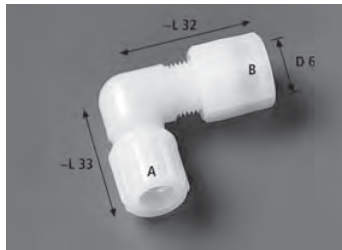
Article-Nr	Connection A	Connection B	Material
1C200MN4834PF	DN10/12	NPT3/4"	PFA
1C200MN4838PV	DN10/12	NPT3/8"	PVDF
1C200MN5112PP	DN12/14	NPT1/2"	PP
1C200MN5312PP	DN14/16	NPT1/2"	PP
1C200MN5734PV	DN18/20	NPT3/4"	PVDF
1C200MN7714PV	DN06/09	NPT1/4"	PVDF

Dimensions 1A200MN... , 1C200MN...

A(DN)		B(NPT)	I3	L16	~L17*	ØD4
4/6		1/8"	10	12	25	13
		1/6"/1/4"				
4/6		1/4"	15	13	26	15
		1/6"/1/4"				
4/6		3/8"	15.3	15	29	20
		1/6"/1/4"				
4/6		1/2"	20	15	32	25
		1/6"/1/4"				
5/8	6/8	1/8"	10	15	30	15
5/8	6/8	1/4"	15	15	30	15
5/8	6/8	3/8"	15.3	15	33	20
5/8	6/8	1/2"	20	15	36	25
6/9		1/8"	10			
6/9		1/4"	15			
6/9		3/8"	15.3			
6/9		1/2"	20			
6/10	8/10	1/8"	10	17	36	20
		1/4"/3/8"				
6/10	8/10	1/4"	15	17	36	20
		1/4"/3/8"				
6/10	8/10	3/8"	15.3	17	36	20
		1/4"/3/8"				
6/10	8/10	1/2"	20	17	39	25
		1/4"/3/8"				
8/12	9/12 10/12	1/4"	15	19	40	20
		3/8"/1/2"				
8/12	9/12 10/12	3/8"	15.3	19	40	20
		3/8"/1/2"				
8/12	9/12 10/12	1/2"	20	21	40	25
		3/8"/1/2"				
8/12	9/12 10/12	3/4"	20	25	43	30
		3/8"/1/2"				
10/14	12/14	1/4"	15	21	48	25
10/14	12/14	3/8"	15.3	21	48	25
10/14	12/14	1/2"	20	21	48	25
10/14	12/14	3/4"	20	25	50	30
12/16	14/16	3/8"	15.3	23	50	25
12/16	14/16	1/2"	20	23	50	25
12/16	14/16	3/4"	20	25	52	30
14/18	16/18	1/2"	20	25	55	30
14/18	16/18	3/4"	20	25	55	30
		1/4"	15	25	57	30
		5/8"/3/4"				
		3/8"	15.3	25	57	30
		5/8"/3/4"				
16/20	18/20	1/2"	20	25	57	30
		5/8"/3/4"				
16/20	18/20	3/4"	20	25	57	30
		5/8"/3/4"				

Elbow connector for flexible tube (Series 1C)
with connection for pipe (Series 2N)

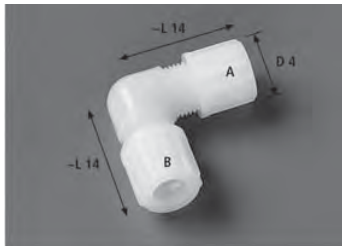
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Article-Nr	Connection A	Connection B	Material
1C200P0305PF	DN1/8"/1/4"	D1/4"	PFA
1C200P0603PF	DN1/6"/1/4"	D1/8"	PFA
1C200P4038PF	DN04/06	D04	PFA
1C200P4043PF	DN04/06	D08	PFA
1C200P4045PF	DN04/06	D10	PFA
1C200P4048PF	DN04/06	D12	PFA
1C200P40PF	DN04/06	D06	PFA
1C200P40PV	DN04/06	D06	PVDF
1C200P43PF	DN06/08	D08	PFA
1C200P45PF	DN08/10	D10	PFA
1C200P45PP	DN08/10	D10	PP
1C200P46PP	DN8/12	D12	PP
1C200P57PV	DN18/20	D20	PVDF

Dimensions 1A200P . . . , 1C200P . . .

A(DN)		B(D)		~L32	~L33*	ØD6	
4/6		1/6"- 1/4"	6	1/4"	39	26	15
5/8	6/8		8		40	30	15
6/9							
6/10	8/10	1/4"- 3/8"	10	3/8"	45	36	20
8/12	9/12 10/12	3/8"- 1/2"	12	1/2"	49	43	20
10/14	12/14		14				
12/16	14/16		16				
14/18	16/18		18	3/4"	59	55	30
16/20	18/20	5/8"- 3/4"	20				



Article-Nr	Connection A	Connection B	Material
1C200T05PF	DN1/6"/1/4"	DN1/6"/1/4"	PFA
1C200T05PP	DN1/6"/1/4"	DN1/6"/1/4"	PP
1C200T06PF	DN3/16"	DN1/4"	PFA
1C200T1105PV	DN1/4"/3/8"	DN1/6"/1/4"	PVDF
1C200T11PF	DN1/4"/3/8"	DN1/4"/3/8"	PFA
1C200T11PV	DN1/4"/3/8"	DN1/4"/3/8"	PVDF
1C200T15PF	DN3/8"/1/2"	DN3/8"/1/2"	PFA
1C200T15PV	DN3/8"/1/2"	DN3/8"/1/2"	PVDF
1C200T4003PV	DN04/06	DN1/8"/1/4"	PVDF
1C200T40PF	DN04/06	DN04/06	PFA
1C200T40PP	DN04/06	DN04/06	PP
1C200T40PV	DN04/06	DN04/06	PVDF
1C200T42PF	DN05/08	DN05/08	PFA
1C200T42PP	DN05/08	DN05/08	PP
1C200T42PV	DN05/08	DN05/08	PVDF
1C200T4340PF	DN06/08	DN04/06	PFA
1C200T4340PV	DN06/08	DN04/06	PVDF
1C200T43PF	DN06/08	DN06/08	PFA
1C200T43PN	DN06/08	DN06/08	PP-NATUR
1C200T43PP	DN06/08	DN06/08	PP
1C200T43PV	DN06/08	DN06/08	PVDF
1C200T44PF	DN06/10	DN06/10	PFA
1C200T44PP	DN06/10	DN06/10	PP
1C200T4540PF	DN08/10	DN04/06	PFA
1C200T4543PF	DN08/10	DN06/08	PFA
1C200T45PF	DN08/10	DN08/10	PFA
1C200T45PN	DN08/10	DN08/10	PP-NATUR
1C200T45PP	DN08/10	DN08/10	PP
1C200T45PV	DN08/10	DN08/10	PVDF
1C200T4640PF	DN08/12	DN04/06	PFA
1C200T4643PF	DN08/12	DN06/08	PFA
1C200T4643PV	DN08/12	DN06/08	PVDF
1C200T46PF	DN08/12	DN08/12	PFA
1C200T46PP	DN08/12	DN08/12	PP
1C200T46PV	DN08/12	DN08/12	PVDF
1C200T47PP	DN09/12	DN09/12	PP
1C200T47PV	DN09/12	DN09/12	PVDF
1C200T4840PF	DN10/12	DN04/06	PFA
1C200T4843PF	DN10/12	DN06/08	PFA
1C200T4843PP	DN10/12	DN06/08	PP
1C200T4845PF	DN10/12	DN08/10	PFA
1C200T48PF	DN10/12	DN10/12	PFA
1C200T48PP	DN10/12	DN10/12	PP
1C200T48PV	DN10/12	DN10/12	PVDF
1C200T49PF	DN10/14	DN10/14	PFA
1C200T51PF	DN12/14	DN12/14	PFA
1C200T51PP	DN12/14	DN12/14	PP
1C200T53PF	DN14/16	DN14/16	PFA
1C200T57PV	DN18/20	DN18/20	PVDF
1C200T77PP	DN06/09	DN06/09	PP
1C200T77PV	DN06/09	DN06/09	PVDF

Dimensions 1A200T... , 1C200T...

	A-B(DN)		~L14*	ØD4
4/6		1/6"-1/4"	25	13
5/8**	6/8		30	15
6/9				
6/10	8/10	1/4"-3/8"	36	20
8/12	9/12	10/12	43	20
10/14	12/14		48	25
12/16	14/16		50	25

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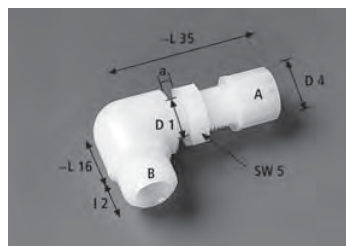
Elbow union for flexible tube (Series 1C)

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	A-B(DN)		~L14*	ØD4
14/18	16/18		55	30
16/20	18/20	5/8"-3/4"	57	30

Elbow bulkhead connector for flexible tube (Series 1C) with male G-thread

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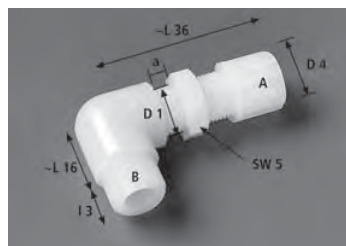
Article-Nr	Connection A	Connection B	Material
1C201MG4018PF	DN04/06	G1/8"	PFA
1C201MG4512PF	DN08/10	G1/2"	PFA
1C201MG4538PF	DN08/10	G3/8"	PFA
1C201MG4812PP	DN10/12	G1/2"	PP

Dimensions 1A201MG. . . , 1C201MG. . .

A(DN)		B(G)	I2	L16	~L35*	SW5	ØD1	ØD4	a
4/6		1/8"	8	12	43	14	10.5	13	9
		1/6"/1/4"							
4/6		1/4"	12	13	43	14	10.5	15	9
		1/6"/1/2"							
4/6		3/8"	12	15	43	14	10.5	20	9
		1/6"/1/4"							
4/6		1/2"	14	15	46	14	10.5	25	9
		1/6"/1/2"							
5/8	6/8	1/8"	8	15	53	19	14.5	20	9
5/8	6/8	1/4"	12	15	53	19	14.5	20	9
5/8	6/8	3/8"	12	15	53	19	14.5	20	9
5/8	6/8	1/2"	14	15	53	19	14.5	25	9
6/9		1/8"	8				16.5		
6/9		1/4"	12				16.5		
6/9		3/8"	12				16.5		
6/9		1/2"	14				16.5		
6/10	8/10	1/8"	8	17	58	22	16.5	20	10
		1/4"/3/8"							
6/10	8/10	1/4"	12	17	58	22	16.5	20	10
		1/4"/3/4"							
6/10	8/10	3/8"	12	17	58	22	16.5	20	10
		1/4"/3/8"							
6/10	8/10	1/2"	14	17	58	22	16.5	25	10
		1/4"/3/4"							
8/12	9/12	1/4"	12	19	67	24	18.5	25	12
	10/12	3/8"/1/2"							
8/12	9/12	3/8"	12	19	67	24	18.5	25	12
	10/12	3/8"/1/2"							
8/12	9/12	1/2"	14	19	67	24	18.5	25	12
	10/12	3/8"/1/2"							
8/12	9/12	3/4"	16	19	67	24	18.5	30	12
	10/12	3/8"/1/2"							
10/14		1/4"	12	21	73	27	20.5	25	14
	12/14								
10/14		3/8"	12	21	73	27	20.5	25	14
	12/14								
10/14		1/2"	14	21	73	27	20.5	25	14
	12/14								
10/14		3/4"	16	21	75	27	20.5	30	14
	12/14								
12/16		3/8"	12	23	78	27	22.5	25	16
	14/16								
12/16		1/2"	14	23	78	27	22.5	25	16
	14/16								
12/16		3/4"	16	23	80	27	22.5	30	16
	14/16								
14/18		1/2"	14	25	83	30	24.5	30	16
	16/18								
14/18		3/4"	16	25	83	30	24.5	30	16
	16/18								
		1/4"	12	25	87	32	26.5	30	18
		5/8"/3/4"							
		3/8"	12	25	87	32	26.5	30	18
		5/8"/3/4"							
16/20		1/2"	14	25	87	32	26.5	30	18
	18/20	5/8"/3/4"							
16/20		3/4"	16	25	87	32	26.5	30	18
	18/20	5/8"/3/4"							

Elbow bulkhead connector for flexible tube (Series 1C) with male NPT-thread

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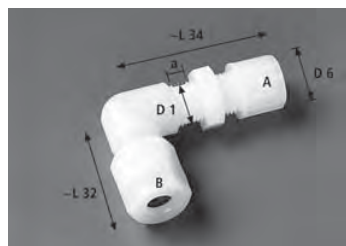
Article-Nr	Connection A	Connection B	Material
1C201MN4314PF	DN06/08	NPT1/4"	PFA
1C201MN4514PF	DN06/08	NPT1/4"	PFA

Dimensions 1A201MN... , 1C201MN...

		A(DN)	B(NPT)	I3	L16	~L36*	SW5	ØD1	ØD4	a
4/6			1/8"	10	12	43	14	10.5	13	9
			1/6"/1/4"							
4/6			1/4"	15	13	43	14	10.5	15	9
			1/6"/1/2"							
4/6			3/8"	15.3	15	43	14	10.5	20	9
			1/6"/1/4"							
4/6			1/2"	20	15	46	14	10.5	25	9
			1/6"/1/2"							
5/8	6/8		1/8"	10	15	53	19	14.5	20	9
5/8	6/8		1/4"	15	15	53	19	14.5	20	9
5/8	6/8		3/8"	15.3	15	53	19	14.5	20	9
5/8	6/8		1/2"	20	15	53	19	14.5	25	9
6/9			1/8"	10				16.5		
6/9			1/4"	15				16.5		
6/9			3/8"	15.3				16.5		
6/9			1/2"	20				16.5		
6/10	8/10		1/8"	10	17	58	22	16.5	20	10
			1/4"/3/8"							
6/10	8/10		1/4"	15	17	58	22	16.5	20	10
			1/4"/3/4"							
6/10	8/10		3/8"	15.3	17	58	22	16.5	20	10
			1/4"/3/8"							
6/10	8/10		1/2"	20	17	58	22	16.5	25	10
			1/4"/3/4"							
8/12	9/12		1/4"	15	19	67	24	18.5	25	12
		10/12	3/8"/1/2"							
8/12	9/12		3/8"	15.3	19	67	24	18.5	25	12
		10/12	3/8"/1/2"							
8/12	9/12		1/2"	20	19	67	24	18.5	25	12
		10/12	3/8"/1/2"							
8/12	9/12		3/4"	20	19	67	24	18.5	30	12
		10/12	3/8"/1/2"							
10/14			1/4"	15	21	73	27	20.5	25	14
	12/14									
10/14			3/8"	15.3	21	73	27	20.5	25	14
	12/14									
10/14			1/2"	20	21	73	27	20.5	25	14
	12/14									
10/14			3/4"	20	25	75	27	20.5	30	14
	12/14									
12/16			3/8"	15.3	23	78	27	22.5	25	16
	14/16									
12/16			1/2"	20	23	78	27	22.5	25	16
	14/16									
12/16			3/4"	20	25	80	27	22.5	30	16
	14/16									
14/18			1/2"	20	25	83	30	24.5	30	16
	16/18									
14/18			3/4"	20	25	83	30	24.5	30	16
	16/18									
			1/4"	15	25	87	32	26.5	30	18
			5/8"/3/4"							
			3/8"	15.3	25	87	32	26.5	30	18
			5/8"/3/4"							
16/20			1/2"	20	25	87	32	26.5	30	18
	18/20		5/8"/3/4"							
16/20			3/4"	20	25	87	32	26.5	30	18
	18/20		5/8"/3/4"							

Elbow bulkhead union for flexible tube (Series 1C) with connection for pipe (Series 2N)

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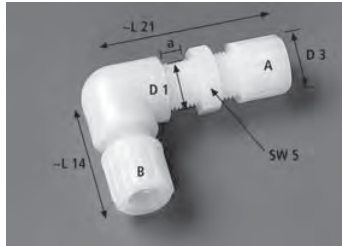
Article-Nr	Connection A	Connection B	Material
1C201P40PF	DN04/06	D06	PFA

Dimensions 1A201P. . . , 1C201P. . .

A(DN)		B(D)		~L34*	~L32	ØD1	ØD6	SW5	a	
4/6		1/6"-1/4"	6	1/4"	46	36	10.5	15	14	9
5/8	6/8		8		53	39	14.5	20	19	9
6/9			10				16.5			
6/10	8/10	1/4"-3/8"	10	3/8"	58	42	16.5	20	22	10
8/12	9/12	3/8"-1/2"	12	1/2"	63	45	18.5	20	24	12
	10/12									
10/14			14		73	48	20.5	25	27	14
	12/14									
12/16			16		78	48	22.5	25	27	16
	14/16									
14/18			18		83	56	24.5	30	30	16
	16/18									
16/20		5/8"-3/4"	20	3/4"	87	56	26.5	30	32	18
	18/20									

Elbow bulkhead union for flexible tube on both ends (Series 1C)

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Article-Nr	Connection A	Connection B	Material
1C201T03PP	DN1/8"/1/4"	DN1/8"/1/4"	PP
1C201T11PP	DN1/4"/3/8"	DN1/4"/3/8"	PP
1C201T40PF	DN04/06	DN04/06	PFA
1C201T40PP	DN04/06	DN04/06	PP
1C201T40PV	DN04/06	DN04/06	PVDF
1C201T4340PV	DN06/08	DN04/06	PVDF
1C201T43PF	DN06/08	DN06/08	PFA
1C201T43PP	DN06/08	DN06/08	PP
1C201T43PV	DN06/08	DN06/08	PVDF
1C201T4540PF	DN08/10	DN04/06	PFA
1C201T45PF	DN08/10	DN08/10	PFA
1C201T46PV	DN08/12	DN08/12	PVDF
1C201T47PF	DN09/12	DN09/12	PFA
1C201T48PF	DN10/12	DN10/12	PFA
1C201T48PV	DN10/12	DN10/12	PVDF

Dimensions 1A201T... ,1C201T...

A-B(DN)			~L14	~L21	ØD3	ØD1	SW5	a
4/6		1/6"- 1/4"	25	43	13	10.5	14	9
5/8**	6/8		33	53	20	14.5	19	9
6/9						16.5		
6/10	8/10	1/4"- 3/8"	36	58	20	16.5	22	10
8/12	9/12	10/12	43	67	20	18.5	24	12
		3/8"- 1/2"						
10/14	12/14		48	75	25	20.5	27	14
12/16	14/16		50	80	25	22.5	27	16
14/18	16/18		55		30	24.5	30	16
16/20	18/20	5/8"- 3/4"	57	93	30	26.5	32	18

Elbow connector for flexible tube (Series 1C) with male G-thread (long model)

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Article-Nr	Connection A	Connection B	Material
1C210MG4014PF	DN04/06	G1/4"	PFA
1C210MG4014PP	DN04/06	G1/4"	PP
1C210MG4018PF	DN04/06	G1/8"	PFA
1C210MG4018PFFP	DN04/06	G1/8"	PFA/FPM
1C210MG4038PF	DN04/06	G3/8"	PFA
1C210MG4312PN	DN06/08	G1/2"	PP-NATUR
1C210MG4312PP	DN06/08	G1/2"	PP
1C210MG4314PF	DN06/08	G1/4"	PFA
1C210MG4314PV	DN06/08	G1/4"	PVDF
1C210MG4338PN	DN06/08	G3/8"	PP-NATUR
1C210MG4338PP	DN06/08	G3/8"	PP
1C210MG4514PP	DN08/10	G1/4"	PP
1C210MG4612PF	DN08/12	G1/2"	PFA
1C210MG4812PF	DN10/12	G1/2"	PFA
1C210MG5212PF	DN12/16	G1/2"	PFA

Dimensions 1A210MG... , 1C210MG...

A(DN)		B(G)	l2	L37	~L17*	ØD4
4/6		1/8"	10	29	25	13
		1/6"/1/4"				
4/6		1/4"	15	29	26	15
		1/6"/1/4"				
4/6		3/8"	15	34	29	20
		1/6"/1/4"				
4/6		1/2"	16	42	32	25
		1/6"/1/4"				
5/8	6/8	1/8"	10	29	30	15
5/8	6/8	1/4"	15	29	30	15
5/8	6/8	3/8"	15	34	33	20
5/8	6/8	1/2"	16	42	36	25
6/9		1/8"	10			
6/9		1/4"	15			
6/9		3/8"	15			
6/9		1/2"	16			
6/10	8/10	1/8"	10	37	36	20
		1/4"/3/8"				
6/10	8/10	1/4"	15	37	36	20
		1/4"/3/8"				
6/10	8/10	3/8"	15	37	36	20
		1/4"/3/8"				
6/10	8/10	1/2"	16	42	39	25
		1/4"/3/8"				
8/12	9/12 10/12	1/4"	15	41	40	20
		3/8"/1/2"				
8/12	9/12 10/12	3/8"	15	41	40	20
		3/8"/1/2"				
8/12	9/12 10/12	1/2"	16	45	40	25
		3/8"/1/2"				
8/12	9/12 10/12	3/4"	20		43	30
		3/8"/1/2"				
10/14	12/14	1/4"	15	45	48	25
10/14	12/14	3/8"	15	45	48	25
10/14	12/14	1/2"	16	45	48	25
10/14	12/14	3/4"	20		50	30
12/16	14/16	3/8"	15		50	25
12/16	14/16	1/2"	16	45	50	25
12/16	14/16	3/4"	20		52	30
14/18	16/18	1/2"	16		55	30
14/18	16/18	3/4"	20		55	30
		1/4"	15		57	30
		5/8"/3/4"				
		3/8"	15		57	30
		5/8"/3/4"				
16/20	18/20	1/2"	16	45	57	30
		5/8"/3/4"				

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Elbow connector for flexible tube (Series 1C)
with male G-thread (long model)

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	A(DN)		B(G)	l2	L37	~L17*	ØD4
16/20	18/20	5/8"/3/4"	3/4"	20		57	30

Elbow connector for flexible tube (Series 1C) with male NPT-thread (long model)

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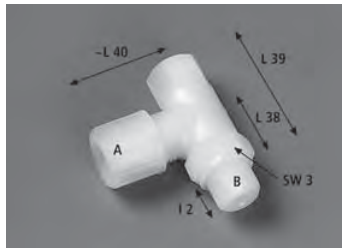
Article-Nr	Connection A	Connection B	Material
1C210MN0414PF	DN5/32"/1/4"	NPT1/4"	PFA
1C210MN4014PV	DN04/06	NPT1/4"	PVDF
1C210MN4314PV	DN06/08	NPT1/4"	PVDF

Dimensions 1A210MN... , 1C210MN...

	A(DN)	B(NPT)	I3	L37	~L17*	ØD4
4/6		1/8"	11.6	29	25	13
		1/6"/1/4"				
4/6		1/4"	16.4	29	26	15
		1/6"/1/4"				
4/6		3/8"	17.4	34	29	20
		1/6"/1/4"				
4/6		1/2"	22.6	42	32	25
		1/6"/1/4"				
5/8	6/8	1/8"	11.6	29	30	15
5/8	6/8	1/4"	16.4	29	30	15
5/8	6/8	3/8"	17.4	34	33	20
5/8	6/8	1/2"	22.6	42	36	25
6/9		1/8"	11.6			
6/9		1/4"	16.4			
6/9		3/8"	17.4			
6/9		1/2"	22.6			
6/10	8/10	1/8"	11.6	37	36	20
		1/4"/3/8"				
6/10	8/10	1/4"	16.4	37	36	20
		1/4"/3/8"				
6/10	8/10	3/8"	17.4	37	36	20
		1/4"/3/8"				
6/10	8/10	1/2"	22.6	42	39	25
		1/4"/3/8"				
8/12	9/12 10/12	1/4"	16.4	41	40	20
		3/8"/1/2"				
8/12	9/12 10/12	3/8"	17.4	41	40	20
		3/8"/1/2"				
8/12	9/12 10/12	1/2"	22.6	45	40	25
		3/8"/1/2"				
8/12	9/12 10/12	3/4"	23.1		43	30
		3/8"/1/2"				
10/14	12/14	1/4"	16.4	45	48	25
10/14	12/14	3/8"	17.4	45	48	25
10/14	12/14	1/2"	22.6	45	48	25
10/14	12/14	3/4"	23.1		50	30
12/16	14/16	3/8"	17.4		50	25
12/16	14/16	1/2"	22.6	45	50	25
12/16	14/16	3/4"	23.1		52	30
14/18	16/18	1/2"	22.6		55	30
14/18	16/18	3/4"	23.1		55	30
		1/4"	16.4		57	30
		5/8"/3/4"				
		3/8"	17.4		57	30
		5/8"/3/4"				
16/20	18/20	1/2"	22.6	45	57	30
		5/8"/3/4"				
16/20	18/20	3/4"	23.1		57	30
		5/8"/3/4"				

Elbow swivel connector for flexible tube (Series 1C) with male G-thread

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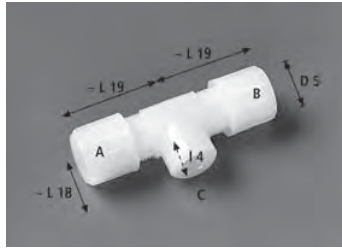
Article-Nr	Connection A	Connection B	Material
1C250MG4014PPEP	DN04/06	G1/4"	PP/EPDM
1C250MG4018PPEP	DN04/06	G1/8"	PP/EPDM

Dimensions 1A250MG. . ., 1C250MG. . .

A(DN)		B(G)	l2	L38	L39	~L40	SW3
4/6		1/8"	8	19.5	41.5	29	17
4/6		1/4"	12	20	42	29	17
4/6		3/8"	12	20.5	42.5	29	22
4/6		1/2"	14	23	45	29	27
5/8	6/8	1/8"	8	19.5	41.5	33	17
5/8	6/8	1/4"	12	20	42	33	17
5/8	6/8	3/8"	12	20.5	42.5	33	22
5/8	6/8	1/2"	14	23	45	33	27
6/10	8/10	1/4"	12	20	42	36	17
6/10	8/10	3/8"	12	20.5	42.5	36	22
6/10	8/10	1/2"	14	23	45	36	27
8/12	9/12	10/12	12	20	42	40	17
8/12	9/12	10/12	3/8"	12	20.5	42.5	22
8/12	9/12	10/12	1/2"	14	23	45	27
10/14	12/14		3/8"	12	20.5	45.5	24
10/14	12/14		1/2"	14	23	48	27

T-connector for flexible tube (Series 1C) with female G-thread

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Article-Nr	Connection A	Connection B	Connection C	Material
1C300FG1514PF	DN3/8"/1/2"	DN3/8"/1/2"	G1/4"	PFA
1C300FG4012PV	DN04/06	DN04/06	G1/2"	PVDF
1C300FG4014PF	DN04/06	DN04/06	G1/4"	PFA
1C300FG4018PF	DN04/06	DN04/06	G1/8"	PFA
1C300FG4018PP	DN04/06	DN04/06	G1/8"	PP
1C300FG4312PP	DN06/08	DN06/08	G1/2"	PP
1C300FG4314PF	DN06/08	DN06/08	G1/4"	PFA
1C300FG4314PV	DN06/08	DN06/08	G1/4"	PVDF
1C300FG4318PV	DN06/08	DN06/08	G1/8"	PVDF
1C300FG4338PN	DN06/08	DN06/08	G3/8"	PP-NATUR
1C300FG4338PP	DN06/08	DN06/08	G3/8"	PP
1C300FG4512PP	DN08/10	DN08/10	G1/2"	PP
1C300FG4512PV	DN08/10	DN08/10	G1/2"	PVDF
1C300FG4514PF	DN08/10	DN08/10	G1/4"	PFA
1C300FG4514PV	DN08/10	DN08/10	G1/4"	PVDF
1C300FG4714PF	DN09/12	DN09/12	G1/4"	PFA
1C300FG4812PV	DN10/12	DN10/12	G1/2"	PVDF
1C300FG4814PV	DN10/12	DN10/12	G1/4"	PVDF

Dimensions 1A300FG... , 1C300FG...

A-B(DN)			C(G)	L4	L18	~L19*	ØD5
4/6		1/6"/1/4"	1/8"	10	17	26	15
4/6		1/6"/1/4"	1/4"	15	20	29	20
4/6		1/6"/1/4"	3/8"	15	20	32	25
4/6		1/6"/1/4"	1/2"	16	23	34	30
5/8	6/8		1/8"	10	17	30	15
5/8	6/8		1/4"	15	20	33	20
5/8	6/8		3/8"	15	20	36	25
5/8	6/8		1/2"	16	23	38	30
6/9			1/8"	10			
6/9			1/4"	15			
6/9			3/8"	15			
6/9			1/2"	16			
6/10	8/10	1/4"/3/8"	1/8"	10	17	36	20
6/10	8/10	1/4"/3/8"	1/4"	15	20	36	20
6/10	8/10	1/4"/3/8"	3/8"	15	20	39	25
6/10	8/10	1/4"/3/8"	1/2"	16	23	41	30
8/12	9/12 10/12	3/8"/1/2"	1/4"	15	20	40	20
8/12	9/12 10/12	3/8"/1/2"	3/8"	15	20	43	25
8/12	9/12 10/12	3/8"/1/2"	1/2"	16	23	45	30
8/12	9/12 10/12	3/8"/1/2"	3/4"	20	37	56	45
10/14	12/14		1/4"	15	23	48	25
10/14	12/14		3/8"	15	25	48	25
10/14	12/14		1/2"	16	25	50	30
10/14	12/14		3/4"	20	37	61	45
12/16	14/16		3/8"	15	25	52	30
12/16	14/16		1/2"	16	25	52	30
12/16	14/16		3/4"	20	37	63	45
14/18	16/18		1/2"	16	25	55	30
14/18	16/18		3/4"	20	37	66	45
		5/8"/3/4"	1/4"	15	25	57	30

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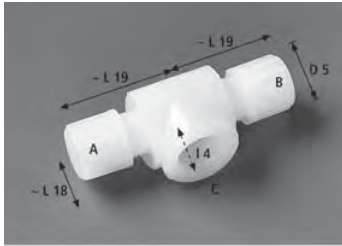
T-connector for flexible tube (Series 1C) with female G-thread

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A-B(DN)		C(G)	I4	L18	~L19*	ØD5	
		5/8"3/4"	3/8"	15	25	57	30
16/20	18/20	5/8"3/4"	1/2"	16	28	57	30
16/20	18/20	5/8"3/4"	3/4"	20	37	68	45

T-connector for flexible tube (Series 1C) with female M-thread

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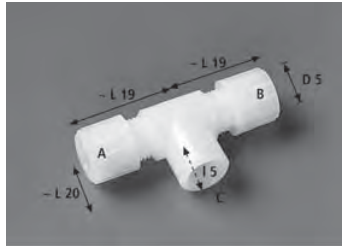
Article-Nr	Connection A	Connection B	Connection C	Material
1C300FM4011PP	DN04/06	DN04/06	M10x1	PP
1C300FM4311PP	DN06/08	DN06/08	M10x1	PP

Dimensions 1A300FM... , 1C300FM...

	A-B(DN)	C(M)	l4	L18	~L19	ØD5	
	4/6	10x1	10	17	26	15	
	4/6	10x1,5	10	17	26	15	
	4/6	12x1,5	15	20	29	20	
	4/6	14x1,5	15	20	29	20	
	4/6	16x1,5	15,5	20	32	25	
	4/6	18x1,5	16,5	20	32	25	
	5/8	6/8	10x1	10	17	15	
	5/8	6/8	10x1,5	10	17	15	
	5/8	6/8	12x1,5	15	20	20	
	5/8	6/8	14x1,5	15	20	20	
	5/8	6/8	16x1,5	15,5	20	25	
	5/8	6/8	18x1,5	16,5	20	25	
	6/9		10x1	10			
	6/9		10x1,5	10			
	6/9		12x1,5	15			
	6/9		14x1,5	15			
	6/9		16x1,5	15,5			
	6/9		18x1,5	16,5			
	6/10	8/10	10x1	10	17	20	
	6/10	8/10	10x1,5	10	17	20	
	6/10	8/10	12x1,5	15	20	20	
	6/10	8/10	14x1,5	15	20	20	
	6/10	8/10	16x1,5	15,5	20	25	
	6/10	8/10	18x1,5	16,5	20	25	
	8/12	9/12	10/12	12x1,5	15	20	20
	8/12	9/12	10/12	14x1,5	15	20	20
	8/12	9/12	10/12	16x1,5	15,5	20	25
	8/12	9/12	10/12	18x1,5	16,5	20	25
	10/14	12/14		12x1,5	15	23	25
	10/14	12/14		14x1,5	15	23	25
	10/14	12/14		16x1,5	15,5	25	25
	10/14	12/14		18x1,5	16,5	25	25

T-connector for flexible tube (Series 1C) with female NPT-thread

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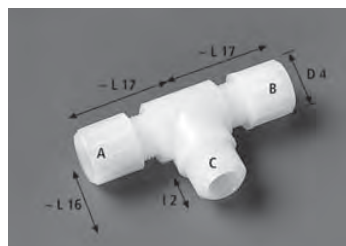
Article-Nr	Connection A	Connection B	Connection C	Material
1C300FN0538PV	DN1/6"/1/4"	DN1/6"/1/4"	NPT3/8"	PVDF
1C300FN1114PF	DN1/4"/3/8"	DN1/4"/3/8"	NPT1/4"	PFA
1C300FN4014PF	DN04/06	DN04/06	NPT1/4"	PFA
1C300FN4312PF	DN06/08	DN06/08	NPT1/2"	PFA
1C300FN4714PV	DN09/12	DN09/12	NPT1/4"	PVDF
1C300FN4814PF	DN10/12	DN10/12	NPT1/4"	PFA

Dimensions 1A300FN...1C300FN...

A-B(DN)		C(NPT)	I5	~L19*	L20	ØD5
4/6		1/6"/1/4"	11.6	26	20	15
4/6		1/4"	16.4	29	24	20
4/6		3/8"	17.4	32	26	25
4/6		1/2"	22.6	34	28	30
5/8	6/8	1/8"	11.6	30	20	15
5/8	6/8	1/4"	16.4	33	24	20
5/8	6/8	3/8"	17.4	36	26	25
5/8	6/8	1/2"	22.6	38	28	30
6/9		1/8"	11.6			
6/9		1/4"	16.4			
6/9		3/8"	17.4			
6/9		1/2"	22.6			
6/10	8/10	1/8"	11.6	36	20	20
6/10	8/10	1/4"/3/8"	16.4	36	24	20
6/10	8/10	3/8"	17.4	39	26	25
6/10	8/10	1/2"/3/8"	22.6	41	32	30
8/12	9/12 10/12	1/4"	16.4	40	24	20
8/12	9/12 10/12	3/8"/1/2"	17.4	43	26	25
8/12	9/12 10/12	1/2"	22.6	45	32	30
8/12	9/12 10/12	3/4"/3/8"/1/2"	23.1	53		45
10/14	12/14	1/4"	16.4	48	26	25
10/14	12/14	3/8"	17.4	48	26	25
10/14	12/14	1/2"	22.6	50	32	30
10/14	12/14	3/4"	23.1	58		45
12/16	14/16	3/8"	17.4	50	28	25
12/16	14/16	1/2"	22.6	52	34	30
12/16	14/16	3/4"	23.1	60		45
14/18	16/18	1/2"	22.6	55		30
14/18	16/18	3/4"	23.1	63		45
		1/4"	16.4	57		30
		3/8"	17.4	57		30
16/20	18/20	1/2"	22.6	57		30
16/20	18/20	3/4"	23.1	65		45
		5/8"/3/4"				
		5/8"/3/4"				
		5/8"/3/4"				
		5/8"/3/4"				

T-connector for flexible tube (Series 1C) with male G-thread

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Article-Nr	Connection A	Connection B	Connection C	Material
1C300MG0314PFFK	DN1/8"/1/4"	DN1/8"/1/4"	G1/4"	PFA/FFKM
1C300MG0514PV	DN1/6"/1/4"	DN1/6"/1/4"	G1/4"	PVDF
1C300MG4012PF	DN04/06	DN04/06	G1/2"	PFA
1C300MG4014PF	DN04/06	DN04/06	G1/4"	PFA
1C300MG4014PP	DN04/06	DN04/06	G1/4"	PP
1C300MG4014PV	DN04/06	DN04/06	G1/4"	PVDF
1C300MG4018PF	DN04/06	DN04/06	G1/8"	PFA
1C300MG4018PFFP	DN04/06	DN04/06	G1/8"	PFA/FPM
1C300MG4038PF	DN04/06	DN04/06	G3/8"	PFA
1C300MG4312PF	DN06/08	DN06/08	G1/2"	PFA
1C300MG4314PF	DN06/08	DN06/08	G1/4"	PFA
1C300MG4314PP	DN06/08	DN06/08	G1/4"	PP
1C300MG4314PV	DN06/08	DN06/08	G1/4"	PVDF
1C300MG4318PF	DN06/08	DN06/08	G1/8"	PFA
1C300MG4318PV	DN06/08	DN06/08	G1/8"	PVDF
1C300MG4338PF	DN06/08	DN06/08	G3/8"	PFA
1C300MG4338PP	DN06/08	DN06/08	G3/8"	PP
1C300MG4338PV	DN06/08	DN06/08	G3/8"	PVDF
1C300MG4412PF	DN06/10	DN06/10	G1/2"	PFA
1C300MG4414PP	DN06/10	DN06/10	G1/4"	PP
1C300MG4512PP	DN08/10	DN08/10	G1/2"	PP
1C300MG4514PF	DN08/10	DN08/10	G1/4"	PFA
1C300MG4514PV	DN08/10	DN08/10	G1/4"	PVDF
1C300MG4518PF	DN08/10	DN08/10	G1/8"	PFA
1C300MG4538PF	DN08/10	DN08/10	G3/8"	PFA
1C300MG4538PV	DN08/10	DN08/10	G3/8"	PVDF
1C300MG4714PF	DN09/12	DN09/12	G1/4"	PFA
1C300MG4812PF	DN10/12	DN10/12	G1/2"	PFA
1C300MG4812PV	DN10/12	DN10/12	G1/2"	PVDF
1C300MG4814PF	DN10/12	DN10/12	G1/4"	PFA
1C300MG4838PP	DN10/12	DN10/12	G3/8"	PP
1C300MG484012PV	DN10/12	DN04/06	G1/2"	PVDF
1C300MG4912PV	DN10/14	DN10/14	G1/2"	PVDF
1C300MG4938PV	DN10/14	DN10/14	G3/8"	PVDF
1C300MG5712PV	DN18/20	DN18/20	G1/2"	PVDF
1C300MG7712PP	DN06/09	DN06/09	G1/2"	PP
1C300MG7714PP	DN06/09	DN06/09	G1/4"	PP
1C300MG7714PV	DN06/09	DN06/09	G1/4"	PVDF
1C300MG7738PP	DN06/09	DN06/09	G3/8"	PP

Dimensions 1A300MG...1C300MG...

A-B(DN)		C(G)	l2	L16	~L17*	ØD4
4/6	1/6"/1/4"	1/8"	8	20	26	12
4/6	1/6"/1/4"	1/4"	12	27	27	15
4/6	1/6"/1/4"	3/8"	12	27	29	20
4/6	1/6"/1/4"	1/2"	14	34	32	25
5/8	6/8	1/8"	8	20	31	15
5/8	6/8	1/4"	12	27	31	15
5/8	6/8	3/8"	12	27	33	20
5/8	6/8	1/2"	14	34	36	25
6/9		1/8"	8			
6/9		1/4"	12			
6/9		3/8"	12			
6/9		1/2"	14			
6/10	8/10	1/8"	8	26	36	20
6/10	8/10	1/4"/3/8"	12	30	36	20
		1/4"/3/8"				

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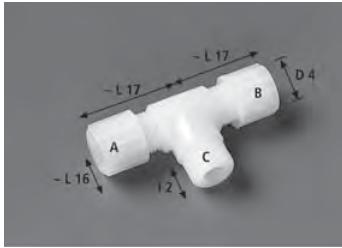
T-connector for flexible tube (Series 1C) with male G-thread

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	A-B(DN)		C(G)	I2	L16	~L17*	ØD4
6/10	8/10		3/8"	12	30	36	20
		1/4"/3/8"					
6/10	8/10		1/2"	14	34	39	25
		1/4"/3/8"					
8/12	9/12	10/12	1/8"	8	28	40	20
		3/8"/1/2"					
8/12	9/12	10/12	1/4"	12	32	40	20
		3/8"/1/2"					
8/12	9/12	10/12	3/8"	12	32	40	20
		3/8"/1/2"					
8/12	9/12	10/12	1/2"	14	34	43	25
		3/8"/1/2"					
8/12	9/12	10/12	3/4"	16	41	45	30
		3/8"/1/2"					
10/14	12/14		1/8"	8	30	48	25
10/14	12/14		1/4"	12	34	48	25
10/14	12/14		3/8"	12	34	48	25
10/14	12/14		1/2"	14	36	48	25
10/14	12/14		3/4"	16	41	50	30
12/16	14/16		1/4"	12	35	50	25
12/16	14/16		3/8"	12	35	50	25
12/16	14/16		1/2"	14	37	50	25
12/16	14/16		3/4"	16	41	52	30
14/18	16/18		1/4"	12	37	55	30
14/18	16/18		3/8"	12	37	55	30
14/18	16/18		1/2"	14	39	55	30
14/18	16/18		3/4"	16	41	55	30
16/20	18/20		1/4"	12	37	57	30
		5/8"/3/4"					
16/20	18/20		3/8"	12	37	57	30
		5/8"/3/4"					
16/20	18/20		1/2"	14	39	57	30
		5/8"/3/4"					
16/20	18/20		3/4"	16	41	57	30
		5/8"/3/4"					

T-connector for flexible tube (Series 1C) with male M-thread

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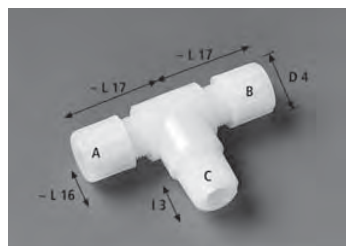
Article-Nr	Connection A	Connection B	Connection C	Material
1C300MM4011PP	DN04/06	DN04/06	M10x1	PP
1C300MM4311PP	DN06/08	DN06/08	M10x1	PP

Dimensions 1A300MM. . .,1C300MM. . .

	A-B(DN)	C(M)	I2	L16	~L17	ØD4		
	4/6	10x1	8	12	26	12		
	4/6	10x1,5	8	12	26	12		
	4/6	12x1,5	12	15	27	15		
	4/6	14x1,5	12	15	27	15		
	4/6	16x1,5	12	15	29	20		
	4/6	18x1,5	12	15	29	20		
	5/8	6/8	10x1	8	15	31	15	
	5/8	6/8	10x1,5	8	15	31	15	
	5/8	6/8	12x1,5	12	15	31	15	
	5/8	6/8	14x1,5	12	15	31	15	
	5/8	6/8	16x1,5	12	15	33	20	
	5/8	6/8	18x1,5	12	15	33	20	
	6/9		10x1	8				
	6/9		10x1,5	8				
	6/9		12x1,5	12				
	6/9		14x1,5	12				
	6/9		16x1,5	12				
	6/9		18x1,5	12				
	6/10	8/10	10x1	8	17	36	20	
	6/10	8/10	10x1,5	8	17	36	20	
	6/10	8/10	12x1,5	12	17	36	20	
	6/10	8/10	14x1,5	12	17	36	20	
	6/10	8/10	16x1,5	12	17	36	20	
	6/10	8/10	18x1,5	12	17	36	20	
	8/12	9/12	10/12	12x1,5	12	19	40	20
	8/12	9/12	10/12	14x1,5	12	19	40	20
	8/12	9/12	10/12	16x1,5	12	19	40	20
	8/12	9/12	10/12	18x1,5	12	19	40	20
	10/14	12/14		12x1,5	12	21	48	25
	10/14	12/14		14x1,5	12	21	48	25
	10/14	12/14		16x1,5	12	21	48	25
	10/14	12/14		18x1,5	12	21	48	25
	12/16	14/16		14x1,5	12	23	50	25
	12/16	14/16		16x1,5	12	23	50	25
	12/16	14/16		18x1,5	12	23	50	25
	14/18	16/18		18x1,5	12	25	55	30
	14/18	16/18		20x1,5	14	25	55	30
	14/18	16/18		22x1,5	14	25	55	30
	14/18	16/18		24x1,5	16	25	55	30
	16/20	18/20		20x1,5	14	25	57	30
	16/20	18/20		22x1,5	14	25	57	30
	16/20	18/20		24x1,5	16	25	57	30

T-connector for flexible tube (Series 1C) with male NPT-thread

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Article-Nr	Connection A	Connection B	Connection C	Material
1C300MN0314PF	DN1/8"/1/4"	DN1/8"/1/4"	NPT1/4"	PFA
1C300MN1118PF	DN1/4"/3/8"	DN1/4"/3/8"	NPT1/8"	PFA
1C300MN1138PF	DN1/4"/3/8"	DN1/4"/3/8"	NPT3/8"	PFA
1C300MN1514PF	DN3/8"/1/2"	DN3/8"/1/2"	NPT1/4"	PFA
1C300MN4014PF	DN04/06	DN04/06	NPT1/4"	PFA
1C300MN4014PV	DN04/06	DN04/06	NPT1/4"	PVDF
1C300MN4018PF	DN04/06	DN04/06	NPT1/8"	PFA
1C300MN4238PV	DN05/08	DN05/08	NPT3/8"	PVDF
1C300MN4314PF	DN06/08	DN06/08	NPT1/4"	PFA
1C300MN4338PF	DN06/08	DN06/08	NPT3/8"	PFA
1C300MN4514PF	DN08/10	DN08/10	NPT1/4"	PFA
1C300MN4514PP	DN08/10	DN08/10	NPT1/4"	PP
1C300MN4812PF	DN10/12	DN10/12	NPT1/2"	PFA
1C300MN4814PF	DN10/12	DN10/12	NPT1/4"	PFA
1C300MN4838PV	DN10/12	DN10/12	NPT3/8"	PVDF

Dimensions 1A300MN...1C300MN...

A-B(DN)		C(NPT)	I3	L16	~L17*	ØD4
4/6		1/8"	10	12	26	12
		1/6"/1/4"				
4/6		1/4"	15	15	27	15
		1/6"/1/4"				
4/6		3/8"	15.3	15	29	20
		1/6"/1/4"				
4/6		1/2"	20	20	32	25
		1/6"/1/4"				
5/8	6/8	1/8"	10	15	31	15
5/8	6/8	1/4"	15	15	31	15
5/8	6/8	3/8"	15.3	15	33	20
5/8	6/8	1/2"	20	20	36	25
6/9		1/8"	10			
6/9		1/4"	15			
6/9		3/8"	15.3			
6/9		1/2"	20			
6/10	8/10	1/8"	10	18	36	20
		1/4"/3/8"				
6/10	8/10	1/4"	15	18	36	20
		1/4"/3/8"				
6/10	8/10	3/8"	15.3	18	36	20
		1/4"/3/8"				
6/10	8/10	1/2"	20	20	39	25
		1/4"/3/8"				
8/12	9/12 10/12	1/4"	15	20	40	20
		3/8"/1/2"				
8/12	9/12 10/12	3/8"	15.3	20	40	20
		3/8"/1/2"				
8/12	9/12 10/12	1/2"	20	20	43	25
		3/8"/1/2"				
8/12	9/12 10/12	3/4"	20	20	45	30
		3/8"/1/2"				
10/14	12/14	1/4"	15	22	48	25
10/14	12/14	3/8"	15.3	22	48	25
10/14	12/14	1/2"	20	22	48	25
10/14	12/14	3/4"	20	22	50	30
12/16	14/16	3/8"	15.3	23	50	25
12/16	14/16	1/2"	20	23	50	25
12/16	14/16	3/4"	20	23	52	30
14/18	16/18	1/2"	20	25	55	30
14/18	16/18	3/4"	20	25	55	30
		1/4"	15	25	57	30
		5/8"/3/4"				
		3/8"	15.3	25	57	30
		5/8"/3/4"				
16/20	18/20	1/2"	20	25	57	30
		5/8"/3/4"				

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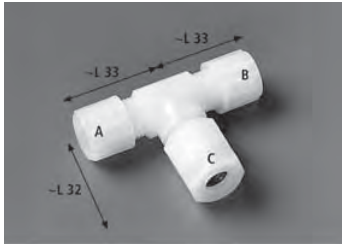
T-connector for flexible tube (Series 1C) with male NPT-thread

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	A-B(DN)	C(NPT)	I3	L16	~L17*	ØD4	
16/20	18/20	5/8"3/4"	3/4"	20	25	57	30

T-union for flexible tube (Series 1C) with connection for pipe (Series 2N)

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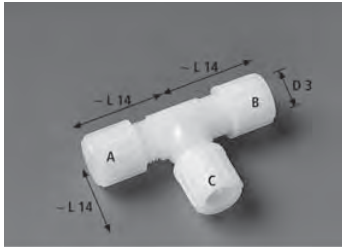
Article-Nr	Connection A	Connection B	Connection C	Material
1C300P030503PF	DN1/8"/1/4"	D1/4"	DN1/8"/1/4"	PFA
1C300P40PF	DN04/06	DN04/06	D06	PFA
1C300P40PP	DN04/06	DN04/06	D06	PP
1C300P434045PV	DN06/08	DN04/06	D10	PVDF
1C300P483048PF	DN10/12	D03	DN10/12	PFA
1C300P48PF	DN10/12	DN10/12	D12	PFA
1C300P575748PF	DN18/20	DN18/20	D12	PFA

Dimensions 1A300P . . . , 1C300P . . .

A-B(DN)		C(D)		~L32	~L33*	
4/6		1/6"-1/4"	6	1/4"	39	27
5/8	6/8		8		39	31
6/9						
6/10	8/10	1/4"-3/8"	10	3/8"	42	36
8/12	9/12	10/12	12	1/2"	45	40
10/14	12/14		14		48	48
12/16	14/16		16		52	50
14/18	16/18		18	3/4"	59	55
16/20	18/20	5/8"-3/4"	20		59	57

T-union for flexible tube on all ends (Series 1C)

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Article-Nr	Connection A	Connection B	Connection C	Material
1C300T03PF	DN1/8"/1/4"	DN1/8"/1/4"	DN1/8"/1/4"	PFA
1C300T03PV	DN1/8"/1/4"	DN1/8"/1/4"	DN1/8"/1/4"	PVDF
1C300T05PF	DN1/6"/1/4"	DN1/6"/1/4"	DN1/6"/1/4"	PFA
1C300T05PP	DN1/6"/1/4"	DN1/6"/1/4"	DN1/6"/1/4"	PP
1C300T05PV	DN1/6"/1/4"	DN1/6"/1/4"	DN1/6"/1/4"	PVDF
1C300T06PF	DN3/16"/1/4"	DN3/16"/1/4"	DN3/16"/1/4"	PFA
1C300T111105PF	DN1/4"/3/8"	DN1/4"/3/8"	DN1/6"/1/4"	PFA
1C300T111105PV	DN1/4"/3/8"	DN1/4"/3/8"	DN1/6"/1/4"	PVDF
1C300T11PF	DN1/4"/3/8"	DN1/4"/3/8"	DN1/4"/3/8"	PFA
1C300T11PV	DN1/4"/3/8"	DN1/4"/3/8"	DN1/4"/3/8"	PVDF
1C300T12PF	DN5/16"/3/8"	DN5/16"/3/8"	DN5/16"/3/8"	PFA
1C300T15PF	DN3/8"/1/2"	DN3/8"/1/2"	DN3/8"/1/2"	PFA
1C300T15PP	DN3/8"/1/2"	DN3/8"/1/2"	DN3/8"/1/2"	PP
1C300T15PV	DN3/8"/1/2"	DN3/8"/1/2"	DN3/8"/1/2"	PVDF
1C300T20PP	DN5/8"/3/4"	DN5/8"/3/4"	DN5/8"/3/4"	PP
1C300T20PV	DN5/8"/3/4"	DN5/8"/3/4"	DN5/8"/3/4"	PVDF
1C300T404043PF	DN04/06	DN04/06	DN06/08	PFA
1C300T404043PP	DN04/06	DN04/06	DN06/08	PP
1C300T404043PV	DN04/06	DN04/06	DN06/08	PVDF
1C300T404045PF	DN04/06	DN04/06	DN08/10	PFA
1C300T404045PP	DN04/06	DN04/06	DN08/10	PP
1C300T404048PV	DN04/06	DN04/06	DN10/12	PVDF
1C300T40PF	DN04/06	DN04/06	DN04/06	PFA
1C300T40PN	DN04/06	DN04/06	DN04/06	PP-NATUR
1C300T40PP	DN04/06	DN04/06	DN04/06	PP
1C300T40PV	DN04/06	DN04/06	DN04/06	PVDF
1C300T42PF	DN05/08	DN05/08	DN05/08	PFA
1C300T42PP	DN05/08	DN05/08	DN05/08	PP
1C300T42PV	DN05/08	DN05/08	DN05/08	PVDF
1C300T430505PF	DN06/08	DN1/6"/1/4"	DN1/6"/1/4"	PFA
1C300T434040PV	DN06/08	DN04/06	DN04/06	PVDF
1C300T434043PF	DN06/08	DN04/06	DN06/08	PFA
1C300T434340PF	DN06/08	DN06/08	DN04/06	PFA
1C300T434340PV	DN06/08	DN06/08	DN04/06	PVDF
1C300T434345PF	DN06/08	DN06/08	DN08/10	PFA
1C300T434348PF	DN06/08	DN06/08	DN10/12	PFA
1C300T434348PV	DN06/08	DN06/08	DN10/12	PVDF
1C300T43PF	DN06/08	DN06/08	DN06/08	PFA
1C300T43PN	DN06/08	DN06/08	DN06/08	PP-NATUR
1C300T43PP	DN06/08	DN06/08	DN06/08	PP
1C300T43PV	DN06/08	DN06/08	DN06/08	PVDF
1C300T444440PP	DN06/10	DN06/10	DN04/06	PP
1C300T44PF	DN06/10	DN06/10	DN06/10	PFA
1C300T44PP	DN06/10	DN06/10	DN06/10	PP
1C300T454040PN	DN08/10	DN04/06	DN04/06	PP-NATUR
1C300T454045PP	DN08/10	DN04/06	DN08/10	PP
1C300T454345PV	DN08/10	DN06/08	DN08/10	PVDF
1C300T454540PF	DN08/10	DN08/10	DN04/06	PFA
1C300T454540PP	DN08/10	DN08/10	DN04/06	PP
1C300T454543PF	DN08/10	DN08/10	DN06/08	PFA
1C300T454543PV	DN08/10	DN08/10	DN06/08	PVDF
1C300T454548PP	DN08/10	DN08/10	DN10/12	PP
1C300T45PF	DN08/10	DN08/10	DN08/10	PFA
1C300T45PN	DN08/10	DN08/10	DN08/10	PP-NATUR
1C300T45PP	DN08/10	DN08/10	DN08/10	PP
1C300T45PV	DN08/10	DN08/10	DN08/10	PVDF
1C300T46PF	DN08/12	DN08/12	DN08/12	PFA
1C300T46PP	DN08/12	DN08/12	DN08/12	PP
1C300T46PV	DN08/12	DN08/12	DN08/12	PVDF
1C300T47PF	DN09/12	DN09/12	DN09/12	PFA
1C300T47PP	DN09/12	DN09/12	DN09/12	PP
1C300T47PV	DN09/12	DN09/12	DN09/12	PVDF

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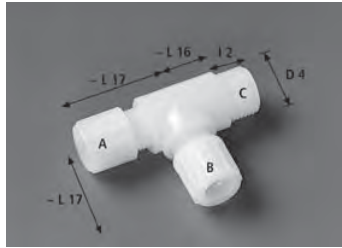
Article-Nr	Connection A	Connection B	Connection C	Material
1C300T484048PF	DN10/12	DN04/06	DN10/12	PFA
1C300T484840PF	DN10/12	DN10/12	DN04/06	PFA
1C300T484840PV	DN10/12	DN10/12	DN04/06	PVDF
1C300T484843PF	DN10/12	DN10/12	DN06/08	PFA
1C300T484843PP	DN10/12	DN10/12	DN06/08	PP
1C300T484843PV	DN10/12	DN10/12	DN06/08	PVDF
1C300T48PF	DN10/12	DN10/12	DN10/12	PFA
1C300T48PN	DN10/12	DN10/12	DN10/12	PP-NATUR
1C300T48PP	DN10/12	DN10/12	DN10/12	PP
1C300T48PV	DN10/12	DN10/12	DN10/12	PVDF
1C300T49PF	DN10/14	DN10/14	DN10/14	PFA
1C300T49PP	DN10/14	DN10/14	DN10/14	PP
1C300T51PF	DN12/14	DN12/14	DN12/14	PFA
1C300T51PP	DN12/14	DN12/14	DN12/14	PP
1C300T51PV	DN12/14	DN12/14	DN12/14	PVDF
1C300T524848PF	DN12/16	DN10/12	DN10/12	PFA
1C300T52PF	DN12/16	DN12/16	DN12/16	PFA
1C300T53PF	DN14/16	DN14/16	DN14/16	PFA
1C300T57PV	DN18/20	DN18/20	DN18/20	PVDF
1C300T77PP	DN06/09	DN06/09	DN06/09	PP
1C300T77PV	DN06/09	DN06/09	DN06/09	PVDF

Dimensions 1A300T . . . , 1C300T . . .

	A-B-C(DN)		~L14*	ØD3
4/6		1/6"-1/4"	26	12
5/8**	6/8		31	15
6/9				
6/10	8/10	1/4"-3/8"	36	20
8/12	9/12	10/12	43	20
10/14	12/14		48	25
12/16	14/16		50	25
14/18	16/18		55	30
16/20	18/20	5/8"-3/4"	59	32

T-connector for flexible tube (Series 1C) with male G-thread, asymmetrical

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Article-Nr	Connection A	Connection B	Connection C	Material
1C310MG0518PP	DN1/6"/1/4"	DN1/6"/1/4"	G1/8"	PP
1C310MG4014PF	DN04/06	DN04/06	G1/4"	PFA
1C310MG4014PP	DN04/06	DN04/06	G1/4"	PP
1C310MG4014PV	DN04/06	DN04/06	G1/4"	PVDF
1C310MG4018PF	DN04/06	DN04/06	G1/8"	PFA
1C310MG4018PFFP	DN04/06	DN04/06	G1/8"	PFA/FPM
1C310MG4018PP	DN04/06	DN04/06	G1/8"	PP
1C310MG4312PV	DN06/08	DN06/08	G1/2"	PVDF
1C310MG4314PP	DN06/08	DN06/08	G1/4"	PP
1C310MG4338PF	DN06/08	DN06/08	G3/8"	PFA
1C310MG4512PF	DN08/10	DN08/10	G1/2"	PFA
1C310MG4514PF	DN08/10	DN08/10	G1/4"	PFA
1C310MG4514PV	DN08/10	DN08/10	G1/4"	PVDF
1C310MG4612PF	DN08/12	DN08/12	G1/2"	PFA
1C310MG4614PP	DN08/12	DN08/12	G1/4"	PP
1C310MG4812PF	DN10/12	DN10/12	G1/2"	PFA
1C310MG4812PV	DN10/12	DN10/12	G1/2"	PVDF
1C310MG4814PF	DN10/12	DN10/12	G1/4"	PFA
1C310MG4838PF	DN10/12	DN10/12	G3/8"	PFA
1C310MG4838PP	DN10/12	DN10/12	G3/8"	PP
1C310MG484012PV	DN10/12	DN04/06	G1/2"	PVDF
1C310MG4912PV	DN10/14	DN10/14	G1/2"	PVDF
1C310MG4938PV	DN10/14	DN10/14	G3/8"	PVDF

Dimensions 1A310MG...1C310MG...

A-B(DN)		C(G)	l2	L16	~L17*	ØD4
4/6		1/8"	8	12	26	12
	1/6"/1/4"					
4/6		1/4"	12	15	27	15
	1/6"/1/4"					
4/6		3/8"	12	15	29	20
	1/6"/1/4"					
4/6		1/2"	14	20	32	25
	1/6"/1/4"					
5/8	6/8	1/8"	8	12	31	15
5/8	6/8	1/4"	12	15	31	15
5/8	6/8	3/8"	12	15	33	20
5/8	6/8	1/2"	14	20	36	25
6/9		1/8"	8			
6/9		1/4"	12			
6/9		3/8"	12			
6/9		1/2"	14			
6/10	8/10	1/8"	8	18	36	20
		1/4"/3/8"				
6/10	8/10	1/4"	12	18	36	20
		1/4"/3/8"				
6/10	8/10	3/8"	12	18	36	20
		1/4"/3/8"				
6/10	8/10	1/2"	14	20	39	25
		1/4"/3/8"				
8/12	9/12 10/12	1/4"	12	20	40	20
		3/8"/1/2"				
8/12	9/12 10/12	3/8"	12	20	40	20
		3/8"/1/2"				
8/12	9/12 10/12	1/2"	14	20	43	25
		3/8"/1/2"				
8/12	9/12 10/12	3/4"	16	20	45	30
		3/8"/1/2"				
10/14	12/14	1/4"	12	22	48	25
10/14	12/14	3/8"	12	22	48	25
10/14	12/14	1/2"	14	22	48	25
10/14	12/14	3/4"	16	22	50	30
12/16	14/16	3/8"	12	23	50	25
12/16	14/16	1/2"	14	23	50	25

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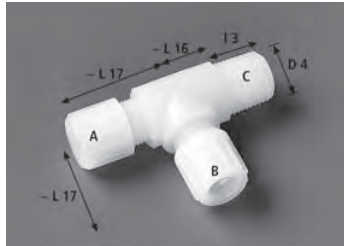
T-connector for flexible tube (Series 1C) with male G-thread, asymmetrical

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A-B(DN)		C(G)	I2	L16	~L17*	ØD4
12/16	14/16	3/4"	16	23	52	30
14/18	16/18	1/2"	14	25	55	30
14/18	16/18	3/4"	16	25	55	30
		1/4"	12	25	57	30
		5/8"/3/4"				
		3/8"	12	25	57	30
		5/8"/3/4"				
16/20	18/20	1/2"	14	25	57	30
		5/8"/3/4"				
16/20	18/20	3/4"	16	25	57	30
		5/8"/3/4"				

T-connector for flexible tube (Series 1C) with male NPT-thread, asymmetrical

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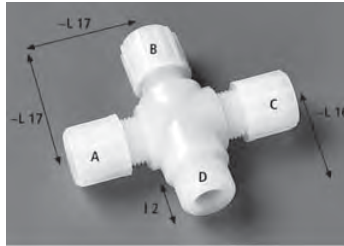
Article-Nr	Connection A	Connection B	Connection C	Material
1C310MN0514PF	DN1/6"/1/4"	DN1/6"/1/4"	NPT1/4"	PFA
1C310MN0514PP	DN1/6"/1/4"	DN1/6"/1/4"	NPT1/4"	PP
1C310MN0518PP	DN1/6"/1/4"	DN1/6"/1/4"	NPT1/8"	PP
1C310MN1214PF	DN5/16"/3/8"	DN5/16"/3/8"	NPT1/4"	PFA
1C310MN4014PF	DN04/06	DN04/06	NPT1/4"	PFA
1C310MN4014PV	DN04/06	DN04/06	NPT1/4"	PVDF
1C310MN4312PF	DN06/08	DN06/08	NPT1/2"	PFA
1C310MN4314PF	DN06/08	DN06/08	NPT1/4"	PFA
1C310MN4314PV	DN06/08	DN06/08	NPT1/4"	PVDF
1C310MN4338PF	DN06/08	DN06/08	NPT3/8"	PFA
1C310MN4514PV	DN08/10	DN08/10	NPT1/4"	PVDF
1C310MN4812PN	DN10/12	DN10/12	NPT1/2"	PP-NATUR

Dimensions 1A310MN...1C310MN...

A-B(DN)			C(NPT)	I3	L16	~L17*	ØD4
4/6			1/6"/1/4"	10	12	26	12
4/6			1/4"	15	15	27	15
4/6			3/8"	15.3	15	29	20
4/6			1/2"	20	20	32	25
5/8	6/8		1/8"	10	15	31	15
5/8	6/8		1/4"	15	15	31	15
5/8	6/8		3/8"	15.3	15	33	20
5/8	6/8		1/2"	20	20	36	25
6/9			1/8"	10			
6/9			1/4"	15			
6/9			3/8"	15.3			
6/9			1/2"	20			
6/10	8/10		1/8"	10	18	36	20
6/10	8/10		1/4"/3/8"	15	18	36	20
6/10	8/10		3/8"	15.3	18	36	20
6/10	8/10		1/2"/3/8"	20	20	39	25
8/12	9/12	10/12	1/4"	15	20	40	20
8/12	9/12	10/12	3/8"/1/2"	15.3	20	40	20
8/12	9/12	10/12	1/2"	20	20	43	25
8/12	9/12	10/12	3/4"	20	20	45	30
10/14	12/14		1/4"	15	22	48	25
10/14	12/14		3/8"	15.3	22	48	25
10/14	12/14		1/2"	20	22	48	25
10/14	12/14		3/4"	20	22	50	30
12/16	14/16		3/8"	15.3	23	50	25
12/16	14/16		1/2"	20	23	50	25
12/16	14/16		3/4"	20	23	52	30
14/18	16/18		1/2"	20	25	55	30
14/18	16/18		3/4"	20	25	55	30
			1/4"	15	25	57	30
			3/8"	15.3	25	57	30
16/20	18/20		1/2"	20	25	57	30
16/20	18/20		3/4"	20	25	57	30
			5/8"/3/4"	15	25	57	30
			3/8"	15.3	25	57	30
			1/2"	20	25	57	30
			3/4"	20	25	57	30

Cross connector for flexible tube (Series 1C) with male G-thread

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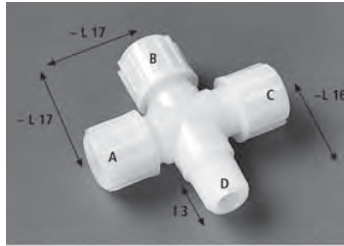
Article-Nr	Connection A	Connection B	Connection C Connection D	Material
1C400MG4014PP	DN04/06	DN04/06	DN04/06 G1/4"	PP
1C400MG4314PP	DN06/08	DN06/08	DN06/08 G1/4"	PP

Dimensions 1A400MG... , 1C400MG...

A(DN)	B(DN)	C(DN)	D(G)	l2	~L16	~L17
4/6	4/6	4/6	1/8"	8	20	26
4/6	4/6	4/6	1/4"	12	27	29
4/6	4/6	4/6	3/8"	12	27	29
4/6	4/6	4/6	1/2"	14	34	32
6/8	6/8	6/8	1/8"	8	20	33
6/8	6/8	6/8	1/4"	12	27	33
6/8	6/8	6/8	3/8"	12	27	33
6/8	6/8	6/8	1/2"	14	34	36
6/10	6/10	6/10	1/8"	8	26	36
6/10	6/10	6/10	1/4"	12	30	36
6/10	6/10	6/10	3/8"	12	30	36
6/10	6/10	6/10	1/2"	14	34	39
8/10	8/10	8/10	1/4"	12	30	36
8/10	8/10	8/10	3/8"	12	30	36
8/10	8/10	8/10	1/2"	14	34	39
8/12	8/12	8/12	1/4"	12	32	40
8/12	8/12	8/12	3/8"	12	32	40
8/12	8/12	8/12	1/2"	14	34	43
10/12	10/12	10/12	1/4"	12	32	40
10/12	10/12	10/12	3/8"	12	32	40
10/12	10/12	10/12	1/2"	14	34	43
10/14	10/14	10/14	3/8"	12	34	48
10/14	10/14	10/14	1/2"	14	36	48
12/14	12/14	12/14	3/8"	12	34	48
12/14	12/14	12/14	1/2"	14	36	48

Cross connector for flexible tube (Series 1C) with male NPT-thread

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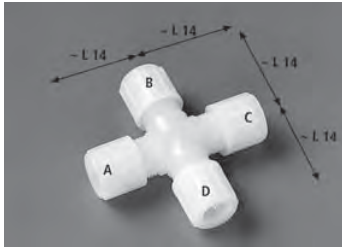
Article-Nr	Connection A	Connection B	Connection C Connection D	Material
1C400MN4018PP	DN04/06	DN04/06	DN04/06 NPT1/8"	PP

Dimensions 1A400MN... , 1C400MN...

A(DN)	B(DN)	C(DN)	D(NPT)	I3	~L16	~L17
4/6	4/6	4/6	1/8"	10	22	26
4/6	4/6	4/6	1/4"	15	30	29
4/6	4/6	4/6	3/8"	15,3	30	29
4/6	4/6	4/6	1/2"	20	40	32
6/8	6/8	6/8	1/8"	10	25	33
6/8	6/8	6/8	1/4"	15	30	33
6/8	6/8	6/8	3/8"	15,3	30	33
6/8	6/8	6/8	1/2"	20	40	36
6/10	6/10	6/10	1/8"	10	28	36
6/10	6/10	6/10	1/4"	15	33	36
6/10	6/10	6/10	3/8"	15,3	33	36
6/10	6/10	6/10	1/2"	20	40	39
8/10	8/10	8/10	1/4"	15	33	36
8/10	8/10	8/10	3/8"	15,3	33	36
8/10	8/10	8/10	1/2"	20	40	39
8/12	8/12	8/12	1/4"	15	35	40
8/12	8/12	8/12	3/8"	15,3	35	40
8/12	8/12	8/12	1/2"	20	40	43
10/12	10/12	10/12	1/4"	15	35	40
10/12	10/12	10/12	3/8"	15,3	35	40
10/12	10/12	10/12	1/2"	20	40	43
10/14	10/14	10/14	3/8"	15,3	37	48
10/14	10/14	10/14	1/2"	20	42	48
12/14	12/14	12/14	3/8"	15,3	37	48
12/14	12/14	12/14	1/2"	20	42	48

Cross union for flexible tube on all ends (Series 1C)

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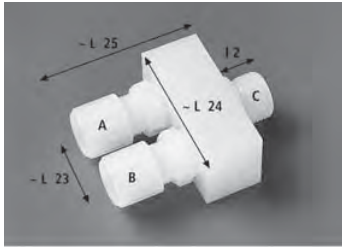
Article-Nr	Connection A	Connection B	Connection C Connection D	Material
1C400T05PV	DN1/4"	DN1/4"	DN1/4" DN1/4"	PVDF
1C400T40PF	DN04/06	DN04/06	DN04/06 DN04/06	PFA
1C400T40PP	DN04/06	DN04/06	DN04/06 DN04/06	PP
1C400T40PV	DN04/06	DN04/06	DN04/06 DN04/06	PVDF
1C400T43484345PV	DN06/08	DN10/12	DN06/08 DN08/10	PVDF
1C400T43PV	DN06/08	DN06/08	DN06/08 DN06/08	PVDF
1C400T48PF	DN10/12	DN10/12	DN10/12 DN10/12	PFA
1C400T48PP	DN10/12	DN10/12	DN10/12 DN10/12	PP

Dimensions 1A400T... , 1C400T...

A(DN)	B(DN)	C(DN)	D(DN)	~L14
4/6	4/6	4/6	4/6	25
6/8	6/8	6/8	6/8	33
6/10	6/10	6/10	6/10	36
8/10	8/10	8/10	8/10	36
8/12	8/12	8/12	8/12	43
10/12	10/12	10/12	10/12	43
10/14	10/14	10/14	10/14	48
12/14	12/14	12/14	12/14	48

Fork connector for flexible tube (Series 1C) with male G-thread

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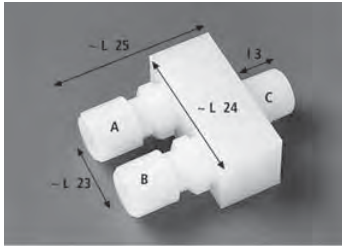
Article-Nr	Connection A	Connection B	Connection C	Material
1C500MG4018PV	DN04/06	DN04/06	G1/8"	PVDF
1C500MG4312PV	DN06/08	DN06/08	G1/2"	PVDF
1C500MG4838PV	DN10/12	DN10/12	G3/8"	PVDF

Dimensions 1A500MG... , 1C500MG...

	A-B(DN)		C(G)	l2	L23	~L24	~L25
4/6		1/6"/1/4"	1/8"	8	20	40	43
4/6		1/6"/1/4"	1/4"	12	20	40	43
4/6		1/6"/1/4"	3/8"	12	20	40	43
4/6		1/6"/1/4"	1/2"	14	20	40	43
6/8			1/8"	8	25	50	54.5
6/8			1/4"	12	25	50	54.5
6/8			3/8"	12	25	50	54.5
6/8			1/2"	14	25	50	54.5
6/10	8/10	1/4"/3/8"	1/4"	12	25	50	58.5
6/10	8/10	1/4"/3/8"	3/8"	12	25	50	58.5
6/10	8/10	1/4"/3/8"	1/2"	14	25	50	58.5
8/12	10/12	3/8"/1/2"	1/4"	12	28	63	63
8/12	10/12	3/8"/1/2"	3/8"	12	28	63	63
8/12	10/12	3/8"/1/2"	1/2"	14	28	63	63
10/14	12/14		1/4"	12	32	65	72
10/14	12/14		3/8"	12	32	65	72
10/14	12/14		1/2"	14	32	65	72

Fork connector for flexible tube (Series 1C) with male NPT-thread

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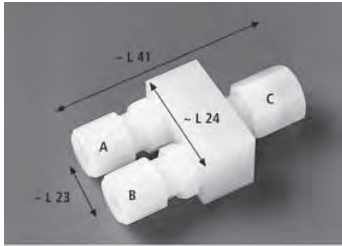
Article-Nr	Connection A	Connection B	Connection C	Material
1C500MN0514PV	DN1/6"/1/4"	DN1/6"/1/4"	NPT1/4"	PVDF

Dimensions 1A500MN. . . , 1C500MN. . .

	A-B(DN)	C(NPT)	I3	L23	L24	~L25*
4/6	1/6"/1/4"	1/8"	10	20	40	43
4/6	1/6"/1/4"	1/4"	15	20	40	43
4/6	1/6"/1/4"	3/8"	15.3	20	40	43
4/6	1/6"/1/4"	1/2"	20	20	40	43
6/8		1/8"	10	25	50	54.5
6/8		1/4"	15	25	50	54.5
6/8		3/8"	15.3	25	50	54.5
6/8		1/2"	20	25	50	54.5
6/10		1/8"	10	25	50	58.5
6/10	8/10 1/4"/3/8"	1/4"	15	25	50	58.5
6/10	8/10 1/4"/3/8"	3/8"	15.3	25	50	58.5
6/10	8/10 1/4"/3/8"	1/2"	20	25	50	58.5
8/12	10/12 3/8"/1/2"	1/4"	15	28	63	63
8/12	10/12 3/8"/1/2"	3/8"	15.3	28	63	63
8/12	10/12 3/8"/1/2"	1/2"	20	28	65	63
10/14	12/14	1/4"	15	32	65	72
10/14	12/14	3/8"	15.3	32	65	72
10/14	12/14	1/2"	20	32	65	72

Fork union for flexible tube (Series 1C) with connection for pipe (Series 2N)

1



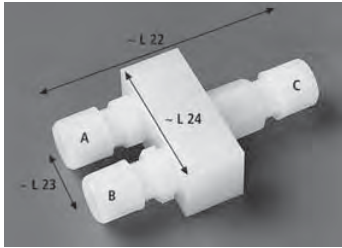
Article-Nr	Connection A	Connection B	Connection C	Material
1C500P40PV	DN04/06	DN04/06	D06	PVDF

Dimensions 1A500P... , 1C500P...

A-B(DN)	C(D)	L23	L24	~L41	
4/6	6	20	35	68.5	
6/8	8	25	45	81	
6/10	8/10	10	25	45	88
8/12	10/12	12	28	53	95.5
10/14	12/14	14	30	55	103.5

Fork union for flexible tube on all ends (Series 1C)

1



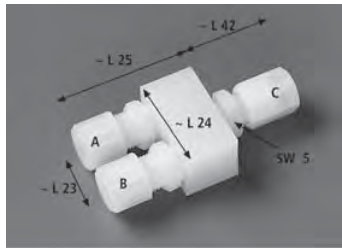
Article-Nr	Connection A	Connection B	Connection C	Material
1C500T40PP	DN04/06	DN04/06	DN04/06	PP
1C500T40PV	DN04/06	DN04/06	DN04/06	PVDF
1C500T43PF	DN06/08	DN06/08	DN06/08	PFA
1C500T43PV	DN06/08	DN06/08	DN06/08	PVDF
1C500T4551PV	DN08/10	DN08/10	DN12/14	PVDF
1C500T51PV	DN12/14	DN12/14	DN12/14	PVDF

Dimensions 1A500T... , 1C500T...

A-B-C(DN)		~L22	L23	L24
4/6	1/6"-1/4"	65.5	20	40
6/8		82	25	50
6/10	8/10	89	25	50
8/12	10/12	98	28	63
10/14	12/14	112	32	65

Fork bulkhead connector for flexible tube (Series 1C) with connection for pipe (Series 2N)

1



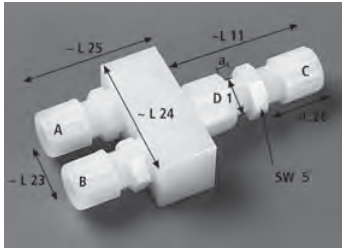
Article-Nr	Connection A	Connection B	Connection C	Material
1C501P40PV	DN04/06	DN04/06	D06	PVDF
1C501P43PV	DN06/08	DN06/08	D08	PVDF
1C501P45PV	DN08/10	DN08/10	D10	PVDF
1C501P4648PV	DN08/12	DN08/12	D12	PVDF
1C501P48PV	DN10/12	DN10/12	D12	PVDF

Dimensions 1A501P... , 1C501P...

A(DN)	B(DN)	C(D)	L23	L24	~L25	~L42	SW5
4/6	4/6	6	20	40	43	42	17
6/8	6/8	8	25	50	54.5	42	19
8/10	8/10	10	25	50	58.5	47	22
8/12	8/12	12	28	63	63	53	24
10/12	10/12	12	28	63	63	53	24
10/14	10/14	14	32	65	72	57	27
12/14	12/14	14	32	65	72	57	27

Fork bulkhead union for flexible tube on all ends (Series 1C)

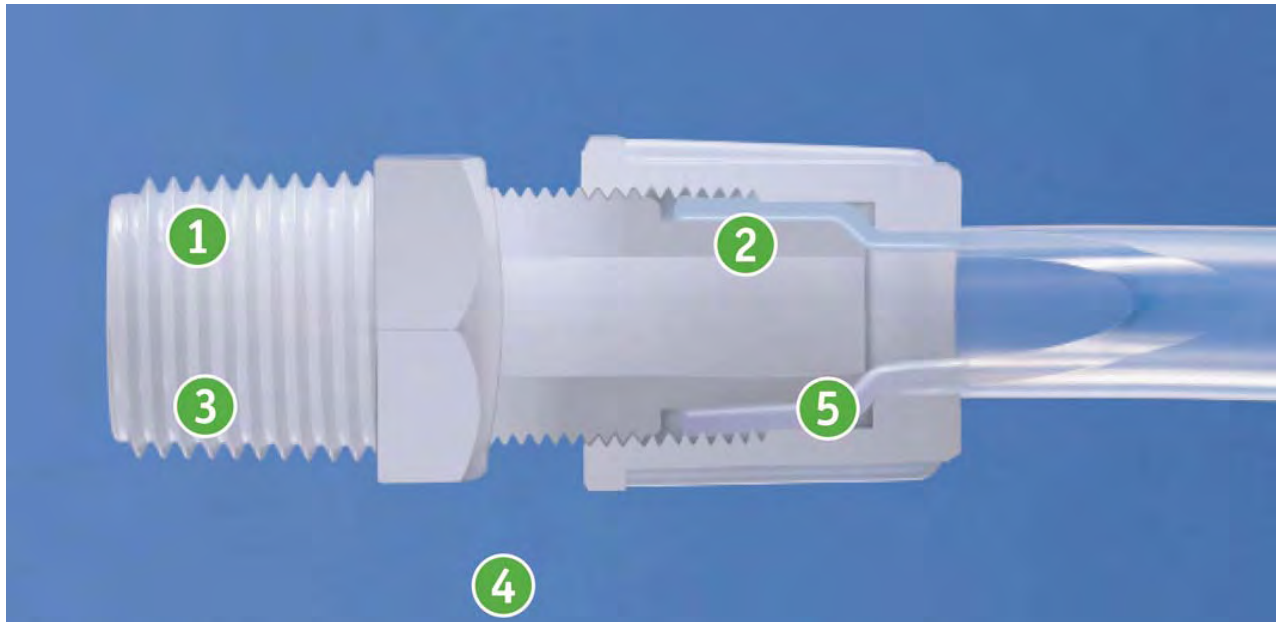
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Article-Nr	Connection A	Connection B	Connection C	Material
1C501T404045PV	DN04/06	DN04/06	DN08/10	PVDF
1C501T43PP	DN06/08	DN06/08	DN06/08	PP

Dimensions 1A501T... , 1C501T...

A(DN)	B(DN)	C(DN)	~L11	L23	~L24	~L25	~L26	SW 5	ØD1	a
4/6	4/6	4/6	45	20	40	43	17	14	10.5	9
6/8	6/8	6/8	51	25	50	54.5	21	19	14.5	9
6/10	6/10	6/10	56	25	50	58.5	24	22	16.5	10
8/10	8/10	8/10	56	25	50	58.5	24	22	16.5	10
8/12	8/12	8/12	68	28	63	63	28	24	18.5	12
10/12	10/12	10/12	68	28	63	63	28	24	18.5	12
10/14	10/14	10/14	76	32	65	72	33	27	20.5	14
12/14	12/14	12/14	76	32	65	72	33	27	20.5	14

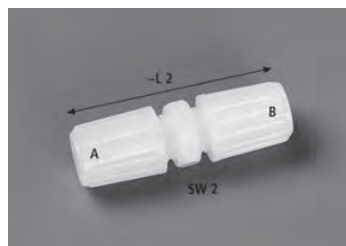


- 1) Thread manufactured without seam ⇒ High tightness, long term stability
- 2) Connecting sleeve manufactured without seam ⇒ High tightness, long term stability
- 3) Available as NPT and G thread ⇒ Various connection options
- 4) Connector available in natural PP, PVDF, PFA ⇒ High media resistance
- 5) Connection with no dead volume ⇒ No dirt deposits ⇒ No collection of bacteria ⇒ No media escape

The connection principle used in Series 1D from EM-TECHNIK entails using heat to enlarge the flexible tube before pushing it onto an integrated connecting sleeve. The tube is secured in place by means of a knurled nut acting on the flexible tube. What makes this connection principle special is the elimination of dead volume. The flexible tube and the connecting sleeve produce a form-locked connection, resulting in a connection with no dead volume. The connection principle 1D is available in HP quality. We achieve this quality in a 5-step process: 1. Cleaning in an ultrasonic bath, with oil separator 2. Cleaning in a DI bath (distilled and ionised) 3. Re-cleaning in a DI bath (18.5MΩ) in a clean-room under Class 100 clean-room conditions 4. Drying the components in a vacuum under Class 100 cleanroom conditions 5. Assembly, final inspection and packing of the parts in a cleanroom. As packaging we use two bags. To prevent dirt deposits, the bags are filled with Class 5.0 nitrogen and welded. Our connectors are manufactured without seams, likewise in HP quality, to guarantee a very high level of tightness. Compatibility of our connectors with other standard flexible tube connecting systems is assured.

**Straight union for flexible tube on both ends
(Series 1D) , (flare/flare)**

1



Article-Nr	Connection A	Connection B	Material
1D100T03PF	D1/4"	D1/4"	PFA
1D100T03PN	D1/4"	D1/4"	PP-NATUR
1D100T03PV	D1/4"	D1/4"	PVDF
1D100T1103PF	D3/8"	D1/4"	PFA
1D100T1103PN	D3/8"	D1/4"	PP-NATUR
1D100T11PF	D3/8"	D3/8"	PFA
1D100T11PN	D3/8"	D3/8"	PP-NATUR
1D100T11PV	D3/8"	D3/8"	PVDF
1D100T1503PF	D1/2"	D1/4"	PFA
1D100T1503PN	D1/2"	D1/4"	PP-NATUR
1D100T1511PF	D1/2"	D3/8"	PFA
1D100T1511PN	D1/2"	D3/8"	PP-NATUR
1D100T1511PV	D1/2"	D3/8"	PVDF
1D100T15PF	D1/2"	D1/2"	PFA
1D100T15PN	D1/2"	D1/2"	PP-NATUR
1D100T15PV	D1/2"	D1/2"	PVDF
1D100T2003PF	D3/4"	D1/4"	PFA
1D100T2003PN	D3/4"	D1/4"	PP-NATUR
1D100T2011PF	D3/4"	D3/8"	PFA
1D100T2011PN	D3/4"	D3/8"	PP-NATUR
1D100T2011PV	D3/4"	D3/8"	PVDF
1D100T2015PF	D3/4"	D1/2"	PFA
1D100T2015PN	D3/4"	D1/2"	PP-NATUR
1D100T2015PV	D3/4"	D1/2"	PVDF
1D100T20PF	D3/4"	D3/4"	PFA
1D100T2411PF	D1"	D3/8"	PFA
1D100T2415PF	D1"	D1/2"	PFA
1D100T2420PF	D1"	D3/4"	PFA
1D100T2420PN	D1"	D3/4"	PP-NATUR
1D100T24PF	D1"	D1"	PFA
1D100T24PN	D1"	D1"	PP-NATUR
1D100T24PV	D1"	D1"	PVDF

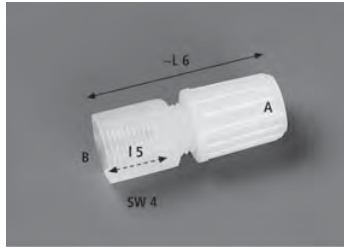
Dimensions 1D100T...

A(D*)	B(D*)	~L2	SW2
1/4"	1/4"	64	17
3/8"	3/8"	71	22
1/2"	1/2"	74	24
3/4"	3/4"	84	32
1"	1"	104	43

* corresponds to outside diameter

**Straight connector for flexible tube (Series 1D),
(flare), with female G-thread**

1



Article-Nr	Connection A	Connection B	Material
1D100FG0318PV	D1/4"	G1/8"	PVDF
1D100FG1114PF	D3/8"	G1/4"	PFA
1D100FG15100PN	D1/2"	G1"	PP-NATUR
1D100FG1512PF	D1/2"	G1/2"	PFA
1D100FG1514PF	D1/2"	G1/4"	PFA
1D100FG1538PF	D1/2"	G3/8"	PFA
1D100FG2012PF	D3/4"	G1/2"	PFA

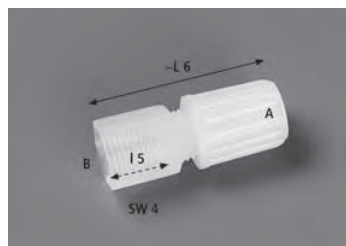
Dimensions 1D100FG . . .

A(D*)	B(G)	~L5	~L6	SW4
1/4"	1/8"	10	44	17
1/4"	1/4"	15	50	17
3/8"	1/4"	15	53	19
3/8"	3/8"	15	54	22
3/8"	1/2"	16	60	27
1/2"	1/4"	15	54	24
1/2"	3/8"	15	55	24
1/2"	1/2"	16	61	27
3/4"	1/2"	16	65	32
3/4"	3/4"	20	66	36
1"	3/4"	20	77	43
1"	1"	22	82	43

* corresponds to outside diameter

Straight connector for flexible tube (Series 1D), (flare), with female NPT-thread

1



Article-Nr	Connection A	Connection B	Material
1D100FN0312PF	D1/4"	NPT1/2"	PFA
1D100FN0312PN	D1/4"	NPT1/2"	PP-NATUR
1D100FN0314PF	D1/4"	NPT1/4"	PFA
1D100FN0314PN	D1/4"	NPT1/4"	PP-NATUR
1D100FN0318PN	D1/4"	NPT1/8"	PP-NATUR
1D100FN1112PF	D3/8"	NPT1/2"	PFA
1D100FN1112PN	D3/8"	NPT1/2"	PP-NATUR
1D100FN1112PV	D3/8"	NPT1/2"	PVDF
1D100FN1114PF	D3/8"	NPT1/4"	PFA
1D100FN1114PN	D3/8"	NPT1/4"	PP-NATUR
1D100FN1114PV	D3/8"	NPT1/4"	PVDF
1D100FN1138PF	D3/8"	NPT3/8"	PFA
1D100FN1138PN	D3/8"	NPT3/8"	PP-NATUR
1D100FN1138PV	D3/8"	NPT3/8"	PVDF
1D100FN1512PF	D1/2"	NPT1/2"	PFA
1D100FN1512PN	D1/2"	NPT1/2"	PP-NATUR
1D100FN1512PV	D1/2"	NPT1/2"	PVDF
1D100FN1514PF	D1/2"	NPT1/4"	PFA
1D100FN1514PN	D1/2"	NPT1/4"	PP-NATUR
1D100FN1514PV	D1/2"	NPT1/4"	PVDF
1D100FN1534PN	D1/2"	NPT3/4"	PP-NATUR
1D100FN1538PF	D1/2"	NPT3/8"	PFA
1D100FN1538PV	D1/2"	NPT3/8"	PVDF
1D100FN2012PF	D3/4"	NPT1/2"	PFA
1D100FN2012PN	D3/4"	NPT1/2"	PP-NATUR
1D100FN2012PV	D3/4"	NPT1/2"	PVDF
1D100FN2034PF	D3/4"	NPT3/4"	PFA
1D100FN2034PN	D3/4"	NPT3/4"	PP-NATUR
1D100FN2034PV	D3/4"	NPT3/4"	PVDF
1D100FN2434PN	D1"	NPT3/4"	PP-NATUR
1D100FN2434PV	D1"	NPT3/4"	PVDF

Dimensions 1D100FN...

A(D*)	B(NPT)	~I5	~L6	SW4
1/4"	1/8"	11.6	44	17
1/4"	1/4"	16.4	50	17
3/8"	1/4"	16.4	53	19
3/8"	3/8"	17.4	54	22
3/8"	1/2"	22.6	60	27
1/2"	1/4"	16.4	54	24
1/2"	3/8"	17.4	55	24
1/2"	1/2"	22.6	61	27
3/4"	1/2"	22.6	65	32
3/4"	3/4"	23.1	66	36
1"	3/4"	23.1	77	43

* corresponds to outside diameter

Straight connector for flexible tube (Series 1D),
(flare), with male G-thread

1



Article-Nr	Connection A	Connection B	Material
1D100MG0312PN	D1/4"	G1/2"	PP-NATUR
1D100MG0314PF	D1/4"	G1/4"	PFA
1D100MG0314PN	D1/4"	G1/4"	PP-NATUR
1D100MG0314PV	D1/4"	G1/4"	PVDF
1D100MG0318PN	D1/4"	G1/8"	PP-NATUR
1D100MG0338PF	D1/4"	G3/8"	PFA
1D100MG0338PN	D1/4"	G3/8"	PP-NATUR
1D100MG0338PV	D1/4"	G3/8"	PVDF
1D100MG1112PF	D3/8"	G1/2"	PFA
1D100MG1112PN	D3/8"	G1/2"	PP-NATUR
1D100MG1112PV	D3/8"	G1/2"	PVDF
1D100MG1114PF	D3/8"	G1/4"	PFA
1D100MG1114PN	D3/8"	G1/4"	PP-NATUR
1D100MG1114PV	D3/8"	G1/4"	PVDF
1D100MG1138PF	D3/8"	G3/8"	PFA
1D100MG1138PN	D3/8"	G3/8"	PP-NATUR
1D100MG1138PV	D3/8"	G3/8"	PVDF
1D100MG1512PF	D1/2"	G1/2"	PFA
1D100MG1512PN	D1/2"	G1/2"	PP-NATUR
1D100MG1512PV	D1/2"	G1/2"	PVDF
1D100MG1514PF	D1/2"	G1/4"	PFA
1D100MG1514PN	D1/2"	G1/4"	PP-NATUR
1D100MG1514PV	D1/2"	G1/4"	PVDF
1D100MG1534PN	D1/2"	G3/4"	PP-NATUR
1D100MG1538PF	D1/2"	G3/8"	PFA
1D100MG1538PN	D1/2"	G3/8"	PP-NATUR
1D100MG1538PV	D1/2"	G3/8"	PVDF
1D100MG2012PF	D3/4"	G1/2"	PFA
1D100MG2012PV	D3/4"	G1/2"	PVDF
1D100MG2034PF	D3/4"	G3/4"	PFA
1D100MG2034PN	D3/4"	G3/4"	PP-NATUR
1D100MG2034PV	D3/4"	G3/4"	PVDF
1D100MG2434PN	D1"	G3/4"	PP-NATUR
1D100MG4312PP	DN06/08	G1/2"	PP
1D100MG4314PF	DN06/08	G1/4"	PFA
1D100MG4314PP	DN06/08	G1/4"	PP
1D100MG4314PV	DN06/08	G1/4"	PVDF
1D100MG4318PV	DN06/08	G1/8"	PVDF
1D100MG4338PP	DN06/08	G3/8"	PP
1D100MG4338PV	DN06/08	G3/8"	PVDF

Dimensions 1D100MG. . .

A(D*)	B(G)	~L2	~L4	SW3
1/4"	1/8"	8	35.5	14
1/4"	1/4"	12	37	17
1/4"	3/8"	12	38.5	22
1/4"	1/2"	14	41	27
3/8"	1/4"	12	40	17
3/8"	3/8"	12	41.5	22
3/8"	1/2"	14	44	27
1/2"	1/4"	12	42	22
1/2"	3/8"	12	42.5	22
1/2"	1/2"	14	45	27
1/2"	3/4"	16	48	32
3/4"	1/2"	14	49	27
3/4"	3/4"	16	52	32
1"	3/4"	16	63	43
1"	1"	18	63	43

* corresponds to outside diameter

**Straight connector for flexible tube (Series 1D),
(flare), with male NPT-thread**

1



Article-Nr	Connection A	Connection B	Material
1D100MN0312PF	D1/4"	NPT1/2"	PFA
1D100MN0312PN	D1/4"	NPT1/2"	PP-NATUR
1D100MN0312PV	D1/4"	NPT1/2"	PVDF
1D100MN0314PF	D1/4"	NPT1/4"	PFA
1D100MN0314PN	D1/4"	NPT1/4"	PP-NATUR
1D100MN0314PP	D1/4"	NPT1/4"	PP
1D100MN0314PV	D1/4"	NPT1/4"	PVDF
1D100MN0318PF	D1/4"	NPT1/8"	PFA
1D100MN0318PN	D1/4"	NPT1/8"	PP-NATUR
1D100MN0318PV	D1/4"	NPT1/8"	PVDF
1D100MN0338PF	D1/4"	NPT3/8"	PFA
1D100MN0338PN	D1/4"	NPT3/8"	PP-NATUR
1D100MN0338PV	D1/4"	NPT3/8"	PVDF
1D100MN1112PF	D3/8"	NPT1/2"	PFA
1D100MN1112PN	D3/8"	NPT1/2"	PP-NATUR
1D100MN1112PV	D3/8"	NPT1/2"	PVDF
1D100MN1114PF	D3/8"	NPT1/4"	PFA
1D100MN1114PN	D3/8"	NPT1/4"	PP-NATUR
1D100MN1114PV	D3/8"	NPT1/4"	PVDF
1D100MN1118PF	D3/8"	NPT1/8"	PFA
1D100MN1118PN	D3/8"	NPT1/8"	PP-NATUR
1D100MN1118PV	D3/8"	NPT1/8"	PVDF
1D100MN1134PF	D3/8"	NPT3/4"	PFA
1D100MN1138PF	D3/8"	NPT3/8"	PFA
1D100MN1138PN	D3/8"	NPT3/8"	PP-NATUR
1D100MN1138PV	D3/8"	NPT3/8"	PVDF
1D100MN1512PF	D1/2"	NPT1/2"	PFA
1D100MN1512PN	D1/2"	NPT1/2"	PP-NATUR
1D100MN1512PV	D1/2"	NPT1/2"	PVDF
1D100MN1514PF	D1/2"	NPT1/4"	PFA
1D100MN1514PN	D1/2"	NPT1/4"	PP-NATUR
1D100MN1514PV	D1/2"	NPT1/4"	PVDF
1D100MN1518PF	D1/2"	NPT1/8"	PFA
1D100MN1518PN	D1/2"	NPT1/8"	PP-NATUR
1D100MN1534PF	D1/2"	NPT3/4"	PFA
1D100MN1534PN	D1/2"	NPT3/4"	PP-NATUR
1D100MN1534PV	D1/2"	NPT3/4"	PVDF
1D100MN1538PF	D1/2"	NPT3/8"	PFA
1D100MN1538PN	D1/2"	NPT3/8"	PP-NATUR
1D100MN1538PV	D1/2"	NPT3/8"	PVDF
1D100MN20100PF	D3/4"	NPT1"	PFA
1D100MN20100PV	D3/4"	NPT1"	PVDF
1D100MN2012PF	D3/4"	NPT1/2"	PFA
1D100MN2012PN	D3/4"	NPT1/2"	PP-NATUR
1D100MN2012PV	D3/4"	NPT1/2"	PVDF
1D100MN2034PF	D3/4"	NPT3/4"	PFA
1D100MN2034PN	D3/4"	NPT3/4"	PP-NATUR
1D100MN2034PV	D3/4"	NPT3/4"	PVDF
1D100MN24100PF	D1"	NPT1"	PFA
1D100MN24100PN	D1"	NPT1"	PP-NATUR
1D100MN24100PV	D1"	NPT1"	PVDF
1D100MN2412PF	D1"	NPT1/2"	PFA
1D100MN2412PN	D1"	NPT1/2"	PP-NATUR
1D100MN2412PV	D1"	NPT1/2"	PVDF
1D100MN2434PF	D1"-NPT3/4"		PFA
1D100MN2434PN	D1"-NPT3/4"		PP-NATUR
1D100MN2434PV	D1"-NPT3/4"		PVDF
1D100MN4014PN	DN04/06	NPT1/4"	PP-NATUR
1D100MN4314PV	DN06/08	NPT1/4"	PVDF
1D100MN4812PV	DN10/12	NPT1/2"	PVDF

Dimensions 1D100MN. . .

**Straight connector for flexible tube (Series 1D),
(flare), with male NPT-thread**

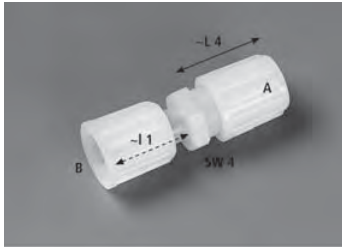
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A(D*)	B(NPT)	~I3	~L4	SW4
1/4"	1/8"	10	34	14
1/4"	1/4"	15	35	17
1/4"	3/8"	15.3	36	19
1/4"	1/2"	20	37	24
3/8"	1/4"	15	39	22
3/8"	3/8"	15.3	39	22
3/8"	1/2"	20	40	24
1/2"	1/4"	15	41	24
1/2"	3/8"	15.3	41	24
1/2"	1/2"	20	41	24
1/2"	3/4"	20	45	32
3/4"	1/2"	20	49	32
3/4"	3/4"	20	49	32
1"	3/4"	20	60	43
1"	1"	25	60	43

* corresponds to
outside diameter

**Straight spacesaver (Series 1D),
(flare/spacesaver)**

1



Article-Nr	Connection A	Connection B	Material
1D100SS0311PN	D1/4"	D3/8"	PP-NATUR
1D100SS0315PF	D1/4"	D1/2"	PFA
1D100SS0315PN	D1/4"	D1/2"	PP-NATUR
1D100SS1115PF	D3/8	D1/2"	PFA
1D100SS1115PN	D3/8	D1/2"	PP-NATUR
1D100SS1120PF	D3/8	D3/4"	PFA
1D100SS1120PN	D3/8	D3/4"	PP-NATUR
1D100SS11PF	D3/8"	D3/8"	PFA
1D100SS11PN	D3/8"	D3/8"	PP-NATUR
1D100SS11PV	D3/8"	D3/8"	PVDF
1D100SS1511PF	D1/2"	D3/8"	PFA
1D100SS1520PF	D1/2"	D3/4"	PFA
1D100SS1520PN	D1/2"	D3/4"	PP-NATUR
1D100SS15PF	D1/2"	D1/2"	PFA
1D100SS15PN	D1/2"	D1/2"	PP-NATUR
1D100SS15PV	D1/2"	D1/2"	PVDF
1D100SS2011PF	D3/4"	D3/8"	PFA
1D100SS2024PF	D3/4"	D1"	PFA
1D100SS2024PN	D3/4"	D1"	PP-NATUR
1D100SS20PV	D3/4"	D3/4"	PVDF
1D100SS2420PF	D1"	D3/4"	PFA
1D100SS2420PN	D1"	D3/4"	PP-NATUR

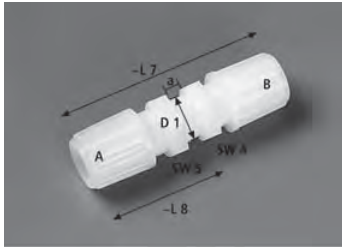
Dimensions 1D100SS...

A(D*)	B(D*)	I1	L4	SW4
3/8"	3/8"	51	39	22
1/2"	1/2"	53	41	24

* corresponds to outside diameter

Straight bulkhead union for flexible tube on both ends (Series 1D) , (flare/flare)

1



Article-Nr	Connection A	Connection B	Material
1D101T03PF	D1/4"	D1/4"	PFA
1D101T03PN	D1/4"	D1/4"	PP-NATUR
1D101T03PV	D1/4"	D1/4"	PVDF
1D101T11PF	D3/8"	D3/8"	PFA
1D101T11PN	D3/8"	D3/8"	PP-NATUR
1D101T11PV	D3/8"	D3/8"	PVDF
1D101T1503PN	D1/2"	D1/4"	PP-NATUR
1D101T1511PF	D1/2"	D3/8"	PFA
1D101T1511PV	D1/2"	D3/8"	PVDF
1D101T15PF	D1/2"	D1/2"	PFA
1D101T15PN	D1/2"	D1/2"	PP-NATUR
1D101T15PV	D1/2"	D1/2"	PVDF
1D101T2015PF	D3/4"	D1/2"	PFA
1D101T2015PV	D3/4"	D1/2"	PVDF
1D101T20PF	D3/4"	D3/4"	PFA
1D101T20PN	D3/4"	D3/4"	PP-NATUR
1D101T20PV	D3/4"	D3/4"	PVDF
1D101T24PN	D1"	D1"	PP-NATUR
1D101T24PV	D1"	D1"	PVDF

Dimensions 1D101T...

A(D*)	B(D*)	~L7	~L8	SW4	SW5	ØD1	a
1/4"	1/4"	77	41	17	17	13	6.35
3/8"	3/8"	85	46	22	22	16	6.35
1/2"	1/2"	89	48	24	24	20	6.35
3/4"	3/4"	100	53	32	30	26	6.35
1"	1"	118	58	43	46	37	6.35

* corresponds to outside diameter

Elbow connector for flexible tube (Series 1D),
(flare), with male G-thread

1



Article-Nr	Connection A	Connection B	Material
1D200MG0314PN	D1/4"	G1/4"	PP-NATUR
1D200MG0314PV	D1/4"	G1/4"	PVDF
1D200MG1112PV	D3/8"	G1/2"	PVDF
1D200MG1114PF	D3/8"	G1/4"	PFA
1D200MG1114PN	D3/8"	G1/4"	PP-NATUR
1D200MG1114PV	D3/8"	G1/4"	PVDF
1D200MG1138PN	D3/8"	G3/8"	PP-NATUR
1D200MG1138PV	D3/8"	G3/8"	PVDF
1D200MG1512PF	D1/2"	G1/2"	PFA
1D200MG1512PN	D1/2"	G1/2"	PP-NATUR
1D200MG1512PV	D1/2"	G1/2"	PVDF
1D200MG1514PF	D1/2"	G1/4"	PFA
1D200MG1514PN	D1/2"	G1/4"	PP-NATUR
1D200MG1514PV	D1/2"	G1/4"	PVDF
1D200MG1538PF	D1/2"	G3/8"	PFA
1D200MG1538PV	D1/2"	G3/8"	PVDF
1D200MG2012PF	D3/4"	G1/2"	PFA
1D200MG2012PV	D3/4"	G1/2"	PVDF
1D200MG2034PN	D3/4"	G3/4"	PP-NATUR
1D200MG2034PV	D3/4"	G3/4"	PVDF

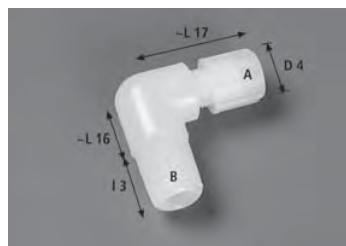
Dimensions 1D200MG. . .

A(D*)	B(G)	~L2	~L16	~L17	ØD4
1/4"	1/8"	8	15	38	15
1/4"	1/4"	12	15	38	15
1/4"	3/8"	12	15	41	20
1/4"	1/2"	14	15	44	25
3/8"	1/4"	12	18	44	20
3/8"	3/8"	12	18	44	20
3/8"	1/2"	14	18	47	25
1/2"	1/4"	12	22	48	25
1/2"	3/8"	12	22	48	25
1/2"	1/2"	14	22	48	25
1/2"	3/4"	16	25	52	30
3/4"	1/2"	14	25	56	30
3/4"	3/4"	16	25	56	30
1"	3/4"	16	30	68	45
1"	1"	18	30	68	45

* corresponds to outside diameter

Elbow connector for flexible tube (Series 1D),
(flare), with male NPT-thread

1



Article-Nr	Connection A	Connection B	Material
1D200MN0312PF	D1/4"	NPT1/2"	PFA
1D200MN0312PN	D1/4"	NPT1/2"	PP-NATUR
1D200MN0314PF	D1/4"	NPT1/4"	PFA
1D200MN0314PN	D1/4"	NPT1/4"	PP-NATUR
1D200MN0314PP	D1/4"	NPT1/4"	PP
1D200MN0314PV	D1/4"	NPT1/4"	PVDF
1D200MN0318PF	D1/4"	NPT1/8"	PFA
1D200MN0318PN	D1/4"	NPT1/8"	PP-NATUR
1D200MN0318PV	D1/4"	NPT1/8"	PVDF
1D200MN0338PF	D1/4"	NPT3/8"	PFA
1D200MN0338PN	D1/4"	NPT3/8"	PP-NATUR
1D200MN1112PF	D3/8"	NPT1/2"	PFA
1D200MN1112PN	D3/8"	NPT1/2"	PP-NATUR
1D200MN1112PV	D3/8"	NPT1/2"	PVDF
1D200MN1114PF	D3/8"	NPT1/4"	PFA
1D200MN1114PN	D3/8"	NPT1/4"	PP-NATUR
1D200MN1114PV	D3/8"	NPT1/4"	PVDF
1D200MN1118PF	D3/8"	NPT1/8"	PFA
1D200MN1134PF	D3/8"	NPT3/4"	PFA
1D200MN1134PN	D3/8"	NPT3/4"	PP-NATUR
1D200MN1134PV	D3/8"	NPT3/4"	PVDF
1D200MN1138PF	D3/8"	NPT3/8"	PFA
1D200MN1138PN	D3/8"	NPT3/8"	PP-NATUR
1D200MN1138PV	D3/8"	NPT3/8"	PVDF
1D200MN1512PF	D1/2"	NPT1/2"	PFA
1D200MN1512PN	D1/2"	NPT1/2"	PP-NATUR
1D200MN1512PV	D1/2"	NPT1/2"	PVDF
1D200MN1514PF	D1/2"	NPT1/4"	PFA
1D200MN1514PN	D1/2"	NPT1/4"	PP-NATUR
1D200MN1514PV	D1/2"	NPT1/4"	PVDF
1D200MN1534PF	D1/2"	NPT3/4"	PFA
1D200MN1534PN	D1/2"	NPT3/4"	PP-NATUR
1D200MN1534PV	D1/2"	NPT3/4"	PVDF
1D200MN1538PF	D1/2"	NPT3/8"	PFA
1D200MN1538PN	D1/2"	NPT3/8"	PP-NATUR
1D200MN1538PV	D1/2"	NPT3/8"	PVDF
1D200MN2012PF	D3/4"	NPT1/2"	PFA
1D200MN2012PN	D3/4"	NPT1/2"	PP-NATUR
1D200MN2012PV	D3/4"	NPT1/2"	PVDF
1D200MN2034PF	D3/4"	NPT3/4"	PFA
1D200MN2034PN	D3/4"	NPT3/4"	PP-NATUR
1D200MN2034PV	D3/4"	NPT3/4"	PVDF
1D200MN24100PF	D1"	NPT1"	PFA
1D200MN24100PN	D1"	NPT1"	PP-NATUR
1D200MN24100PV	D1"	NPT1"	PVDF
1D200MN2412PV	D1"	NPT1/2"	PVDF
1D200MN2434PV	D1"	NPT3/4"	PVDF

Dimensions 1D200MN...

A(D*)	B(NPT)	~I3	~L16	~L17	ØD4
1/4"	1/8"	10	15	38	15
1/4"	1/4"	15	15	38	15
1/4"	3/8"	15.3	15	41	20
1/4"	1/2"	20	15	44	25
3/8"	1/4"	15	18	44	20
3/8"	3/8"	15.3	18	44	20
3/8"	1/2"	20	18	47	25
1/2"	1/4"	15	22	48	25
1/2"	3/8"	15.3	22	48	25
1/2"	1/2"	20	22	48	25
1/2"	3/4"	20	25	52	30

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Elbow connector for flexible tube (Series 1D),
(flare), with male NPT-thread

1

A(D*)	B(NPT)	~I3	~L16	~L17	ØD4
3/4"	1/2"	20	25	56	30
3/4"	3/4"	20	25	56	30
1"	3/4"	20	30	68	45
1"	1"	25	30	68	45

* corresponds to outside diameter

Elbow spacesaver (Series 1D), (flare/spacesaver)

1



Article-Nr	Connection A	Connection B	Material
1D200SS0311PN	D1/4"	D3/8"	PP-NATUR
1D200SS03PF	D1/4"	D1/4"	PFA
1D200SS03PN	D1/4"	D1/4"	PP-NATUR
1D200SS03PV	D1/4"	D1/4"	PVDF
1D200SS1103PN	D3/8"	D1/4"	PP-NATUR
1D200SS1115PF	D3/8"	D1/2"	PFA
1D200SS11PF	D3/8"	D3/8"	PFA
1D200SS11PN	D3/8"	D3/8"	PP-NATUR
1D200SS11PV	D3/8"	D3/8"	PVDF
1D200SS1511PF	D1/2"	D3/8"	PFA
1D200SS15PF	D1/2"	D1/2"	PFA
1D200SS15PN	D1/2"	D1/2"	PP-NATUR
1D200SS15PV	D1/2"	D1/2"	PVDF
1D200SS2015PF	D3/4"	D1/2"	PFA
1D200SS2024PF	D3/4"	D1"	PFA
1D200SS20PF	D3/4"	D3/4"	PFA
1D200SS20PN	D3/4"	D3/4"	PP-NATUR
1D200SS20PV	D3/4"	D3/4"	PVDF
1D200SS24PF	D1"	D1"	PFA
1D200SS24PN	D1"	D1"	PP-NATUR
1D200SS24PV	D1"	D1"	PVDF

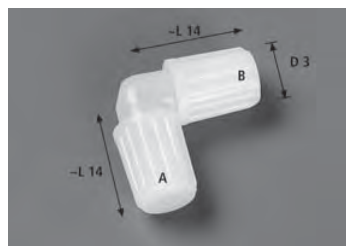
Dimensions 1D200SS...

A(D*)	B(D*)	~L1	~L14	~L18	ØD3
1/4"	1/4"	46	41	12	15
3/8"	3/8"	51	47	15	20
1/2"	1/2"	53	51	18	25
3/4"	3/4"	61	57	20	30
1"	1"	66	69	24	45

* corresponds to outside diameter

Elbow union for flexible tube on both ends (Series 1D) , (flare/flare)

1



Article-Nr	Connection A	Connection B	Material
1D200T03PF	D1/4"	D1/4"	PFA
1D200T03PN	D1/4"	D1/4"	PP-NATUR
1D200T03PV	D1/4"	D1/4"	PVDF
1D200T1103PF	D3/8"	D1/4"	PFA
1D200T1103PN	D3/8"	D1/4"	PP-NATUR
1D200T11PF	D3/8"	D3/8"	PFA
1D200T11PN	D3/8"	D3/8"	PP-NATUR
1D200T11PV	D3/8"	D3/8"	PVDF
1D200T1503PF	D1/2"	D1/4"	PFA
1D200T1503PN	D1/2"	D1/4"	PP-NATUR
1D200T1511PF	D1/2"	D3/8"	PFA
1D200T1511PN	D1/2"	D3/8"	PP-NATUR
1D200T1511PV	D1/2"	D3/8"	PVDF
1D200T15PF	D1/2"	D1/2"	PFA
1D200T15PN	D1/2"	D1/2"	PP-NATUR
1D200T15PV	D1/2"	D1/2"	PVDF
1D200T2003PF	D3/4"	D1/4"	PFA
1D200T2003PN	D3/4"	D1/4"	PP-NATUR
1D200T2011PV	D3/4"	D3/8"	PVDF
1D200T2015PF	D3/4"	D1/2"	PFA
1D200T2015PN	D3/4"	D1/2"	PP-NATUR
1D200T2015PV	D3/4"	D1/2"	PVDF
1D200T20PF	D3/4"	D3/4"	PFA
1D200T20PN	D3/4"	D3/4"	PP-NATUR
1D200T20PV	D3/4"	D3/4"	PVDF
1D200T2420PV	D1"	D3/4"	PVDF
1D200T24PF	D1"	D1"	PFA
1D200T24PN	D1"	D1"	PP-NATUR
1D200T24PV	D1"	D1"	PVDF

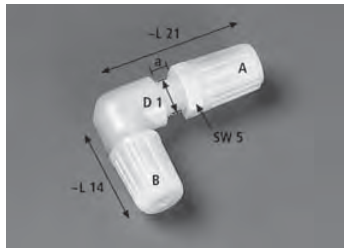
Dimensions 1D200T . . .

A(D*)	B(D*)	~L14	ØD3
1/4"	1/4"	41	15
3/8"	3/8"	47	20
1/2"	1/2"	51	25
3/4"	3/4"	57	30
1"	1"	69	45

* corresponds to outside diameter

Bulkhead elbow union for flexible tube on both ends (Series 1D) , (flare/flare)

1



Article-Nr	Connection A	Connection B	Material
1D201T03PF	D1/4"	D1/4"	PFA
1D201T03PN	D1/4"	D1/4"	PP-NATUR
1D201T03PV	D1/4"	D1/4"	PVDF
1D201T1103PF	D3/8"	D1/4"	PFA
1D201T11PF	D3/8"	D3/8"	PFA
1D201T11PN	D3/8"	D3/8"	PP-NATUR
1D201T11PV	D3/8"	D3/8"	PVDF
1D201T15PF	D1/2"	D1/2"	PFA
1D201T15PN	D1/2"	D1/2"	PP-NATUR
1D201T15PV	D1/2"	D1/2"	PVDF
1D201T20PF	D3/4"	D3/4"	PFA
1D201T20PN	D3/4"	D3/4"	PP-NATUR
1D201T20PV	D3/4"	D3/4"	PVDF

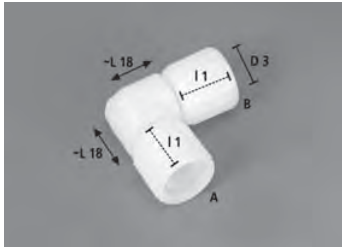
Dimensions 1D201T . . .

A(D*)	B(D*)	~L14	~L21	SW5	ØD1	a
1/4"	1/4"	41	54	17	13	6.35
3/8"	3/8"	47	61	22	16	6.35
1/2"	1/2"	51	66	24	20	6.35
3/4"	3/4"	57	70	30	26	6.35
1"	1"	69	83	46	37	6.35

* corresponds to outside diameter

Elbow spacesaver series 1D (spacesaver/spacesaver)

1



Article-Nr	Connection A	Connection B	Material
1D240SS03PF	D1/4"	D1/4"	PFA
1D240SS03PN	D1/4"	D1/4"	PP-NATUR
1D240SS11PF	D3/8"	D3/8"	PFA
1D240SS11PN	D3/8"	D3/8"	PP-NATUR
1D240SS11PV	D3/8"	D3/8"	PVDF
1D240SS1511PN	D1/2"	D3/8"	PP-NATUR
1D240SS15PF	D1/2"	D1/2"	PFA
1D240SS15PN	D1/2"	D1/2"	PP-NATUR
1D240SS20PF	D3/4"	D3/4"	PFA
1D240SS20PN	D3/4"	D3/4"	PP-NATUR
1D240SS20PV	D3/4"	D3/4"	PVDF
1D240SS2420PV	D1"	D3/4"	PVDF
1D240SS24PF	D1"	D1"	PFA
1D240SS24PN	D1"	D1"	PP-NATUR

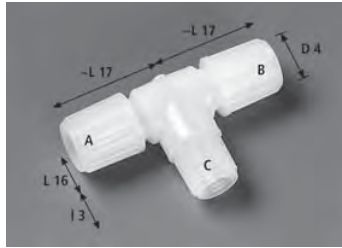
Dimensions 1D240SS...

A(D*)	B(D*)	~I1	~L18	ØD3
1/4"	1/4"	46	12	15
3/8"	3/8"	51	15	20
1/2"	1/2"	53	18	25
3/4"	3/4"	61	20	30
1"	1"	66	24	45

* corresponds to outside diameter

T-connector for flexible tube (Series 1D), (flare),
with male NPT-thread

1



Article-Nr	Connection A	Connection B	Connection C	Material
1D300MN0314PF	D1/4"	D1/4"	NPT1/4"	PFA
1D300MN0314PN	D1/4"	D1/4"	NPT1/4"	PP-NATUR
1D300MN0314PV	D1/4"	D1/4"	NPT1/4"	PVDF
1D300MN0318PF	D1/4"	D1/4"	NPT1/8"	PFA
1D300MN0318PV	D1/4"	D1/4"	NPT1/8"	PVDF
1D300MN1112PF	D3/8"	D3/8"	NPT1/2"	PFA
1D300MN1112PN	D3/8"	D3/8"	NPT1/2"	PP-NATUR
1D300MN1112PV	D3/8"	D3/8"	NPT1/2"	PVDF
1D300MN1114PF	D3/8"	D3/8"	NPT1/4"	PFA
1D300MN1114PN	D3/8"	D3/8"	NPT1/4"	PP-NATUR
1D300MN1114PV	D3/8"	D3/8"	NPT1/4"	PVDF
1D300MN1138PF	D3/8"	D3/8"	NPT3/8"	PFA
1D300MN1138PN	D3/8"	D3/8"	NPT3/8"	PP-NATUR
1D300MN1138PV	D3/8"	D3/8"	NPT3/8"	PVDF
1D300MN1512PF	D1/2"	D1/2"	NPT1/2"	PFA
1D300MN1512PN	D1/2"	D1/2"	NPT1/2"	PP-NATUR
1D300MN1512PV	D1/2"	D1/2"	NPT1/2"	PVDF
1D300MN1514PF	D1/2"	D1/2"	NPT1/4"	PFA
1D300MN1514PN	D1/2"	D1/2"	NPT1/4"	PP-NATUR
1D300MN1514PV	D1/2"	D1/2"	NPT1/4"	PVDF
1D300MN1534PN	D1/2"	D1/2"	NPT3/4"	PP-NATUR
1D300MN1534PV	D1/2"	D1/2"	NPT3/4"	PVDF
1D300MN1538PF	D1/2"	D1/2"	NPT3/8"	PFA
1D300MN1538PV	D1/2"	D1/2"	NPT3/8"	PVDF
1D300MN2012PF	D3/4"	D3/4"	NPT1/2"	PFA
1D300MN2012PN	D3/4"	D3/4"	NPT1/2"	PP-NATUR
1D300MN2012PV	D3/4"	D3/4"	NPT1/2"	PVDF
1D300MN2014PF	D3/4"	D3/4"	NPT1/4"	PFA
1D300MN2014PN	D3/4"	D3/4"	NPT1/4"	PP-NATUR
1D300MN2034PF	D3/4"	D3/4"	NPT3/4"	PFA
1D300MN2034PN	D3/4"	D3/4"	NPT3/4"	PP-NATUR
1D300MN2034PV	D3/4"	D3/4"	NPT3/4"	PVDF
1D300MN2434PF	D1"	D1"	NPT3/4"	PFA
1D300MN2434PN	D1"	D1"	NPT3/4"	PP-NATUR

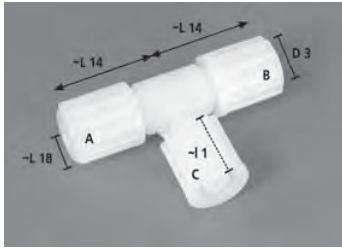
Dimensions 1D300MN. . .

A(D*)	B(D*)	C(NPT)	~I3	~L16	~L17	ØD4
1/4"	1/4"	1/8"	10	15	38	15
1/4"	1/4"	1/4"	15	15	38	15
3/8"	3/8"	1/4"	15	18	44	20
3/8"	3/8"	3/8"	15.3	18	44	20
3/8"	3/8"	1/2"	20	18	47	25
1/2"	1/2"	1/4"	15	22	48	25
1/2"	1/2"	3/8"	15.3	22	48	25
1/2"	1/2"	1/2"	20	22	48	25
1/2"	1/2"	3/4"	20	25	52	30
3/4"	3/4"	1/4"	15	25	56	30
3/4"	3/4"	1/2"	20	25	56	30
3/4"	3/4"	3/4"	20	25	56	30
1"	1"	3/4"	20	30	68	45
1"	1"	1"	25	30	68	45

* corresponds to outside diameter

**T-spacesaver for flexible tube (Series 1D),
(flare/flare/spacesaver)**

1



Article-Nr	Connection A	Connection B	Connection C	Material
1D300SS03PF	D1/4"	D1/4"	D1/4"	PFA
1D300SS03PN	D1/4"	D1/4"	D1/4"	PP-NATUR
1D300SS111103PF	D3/8"	D3/8"	D1/4"	PFA
1D300SS11PF	D3/8"	D3/8"	D3/8"	PFA
1D300SS11PN	D3/8"	D3/8"	D3/8"	PP-NATUR
1D300SS151511PF	D1/2"	D1/2"	D3/8"	PFA
1D300SS151511PN	D1/2"	D1/2"	D3/8"	PP-NATUR
1D300SS151520PN	D1/2"	D1/2"	D3/4"	PP-NATUR
1D300SS15PF	D1/2"	D1/2"	D1/2"	PFA
1D300SS15PN	D1/2"	D1/2"	D1/2"	PP-NATUR
1D300SS202015PF	D3/4"	D3/4"	D1/2"	PFA
1D300SS202015PN	D3/4"	D3/4"	D1/2"	PP-NATUR
1D300SS20PF	D3/4"	D3/4"	D3/4"	PFA
1D300SS20PN	D3/4"	D3/4"	D3/4"	PP-NATUR
1D300SS20PV	D3/4"	D3/4"	D3/4"	PVDF
1D300SS242420PN	D1"	D1"	D3/4"	PP-NATUR
1D300SS24PF	D1"	D1"	D1"	PFA
1D300SS24PN	D1"	D1"	D1"	PP-NATUR

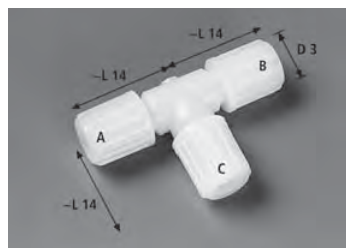
Dimensions 1D300SS...

A(D*)	B(D*)	C(D*)	~l1	~L14	~L18	ØD3
1/4"	1/4"	1/4"	46	41	12	15
3/8"	3/8"	3/8"	51	47	15	20
1/2"	1/2"	1/2"	53	51	18	25
3/4"	3/4"	3/4"	61	57	20	30
1"	1"	1"	66	68	24	45

* corresponds to outside diameter

T-union for flexible tube on all ends (Series 1D) ,
(flare/flare/flare)

1



Article-Nr	Connection A	Connection B	Connection C	Material
1D300T030311PF	D1/4"	D1/4"	D3/8"	PFA
1D300T030311PN	D1/4"	D1/4"	D3/8"	PP-NATUR
1D300T03PF	D1/4"	D1/4"	D1/4"	PFA
1D300T03PN	D1/4"	D1/4"	D1/4"	PP-NATUR
1D300T03PV	D1/4"	D1/4"	D1/4"	PVDF
1D300T110303PV	D3/8"	D1/4"	D1/4"	PVDF
1D300T111103PF	D3/8"	D3/8"	D1/4"	PFA
1D300T111103PN	D3/8"	D3/8"	D1/4"	PP-NATUR
1D300T111115PF	D3/8"	D3/8"	D1/2"	PFA
1D300T111115PN	D3/8"	D3/8"	D1/2"	PP-NATUR
1D300T11PF	D3/8"	D3/8"	D3/8"	PFA
1D300T11PN	D3/8"	D3/8"	D3/8"	PP-NATUR
1D300T11PV	D3/8"	D3/8"	D3/8"	PVDF
1D300T150303PN	D1/2"	D1/4"	D1/4"	PP-NATUR
1D300T150303PV	D1/2"	D1/4"	D1/4"	PVDF
1D300T150315PF	D1/2"	D1/4"	D1/2"	PFA
1D300T150315PN	D1/2"	D1/4"	D1/2"	PP-NATUR
1D300T151111PN	D1/2"	D3/8"	D3/8"	PP-NATUR
1D300T151503PF	D1/2"	D1/2"	D1/4"	PFA
1D300T151503PN	D1/2"	D1/2"	D1/4"	PP-NATUR
1D300T151511PF	D1/2"	D1/2"	D3/8"	PFA
1D300T151511PN	D1/2"	D1/2"	D3/8"	PP-NATUR
1D300T151511PV	D1/2"	D1/2"	D3/8"	PVDF
1D300T151520PF	D1/2"	D1/2"	D3/4"	PFA
1D300T151520PN	D1/2"	D1/2"	D3/4"	PP-NATUR
1D300T15PF	D1/2"	D1/2"	D1/2"	PFA
1D300T15PN	D1/2"	D1/2"	D1/2"	PP-NATUR
1D300T15PV	D1/2"	D1/2"	D1/2"	PVDF
1D300T201515PF	D3/4"	D1/2"	D1/2"	PFA
1D300T201515PN	D3/4"	D1/2"	D1/2"	PP-NATUR
1D300T202003PF	D3/4"	D3/4"	D1/4"	PFA
1D300T202003PN	D3/4"	D3/4"	D1/4"	PP-NATUR
1D300T202011PF	D3/4"	D3/4"	D3/8"	PFA
1D300T202011PN	D3/4"	D3/4"	D3/8"	PP-NATUR
1D300T202015PF	D3/4"	D3/4"	D1/2"	PFA
1D300T202015PN	D3/4"	D3/4"	D1/2"	PP-NATUR
1D300T20PF	D3/4"	D3/4"	D3/4"	PFA
1D300T20PN	D3/4"	D3/4"	D3/4"	PP-NATUR
1D300T20PV	D3/4"	D3/4"	D3/4"	PVDF
1D300T242024PF	D1"	D3/4"	D1"	PFA
1D300T242024PN	D1"	D3/4"	D1"	PP-NATUR
1D300T242415PF	D1"	D1"	D1/2"	PFA
1D300T242415PN	D1"	D1"	D1/2"	PP-NATUR
1D300T242420PF	D1"	D1"	D3/4"	PFA
1D300T242420PN	D1"	D1"	D3/4"	PP-NATUR
1D300T24PF	D1"	D1"	D1"	PFA
1D300T24PN	D1"	D1"	D1"	PP-NATUR
1D300T24PV	D1"	D1"	D1"	PVDF
1D300T43PP	DN06/08	DN06/08	DN06/08	PP

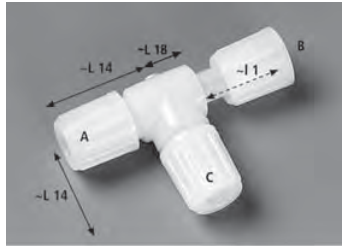
Dimensions 1D300T...

A(D*)	B(D*)	C(D*)	~L14	ØD3
1/4"	1/4"	1/4"	41	15
3/8"	3/8"	3/8"	47	20
1/2"	1/2"	1/2"	51	25
3/4"	3/4"	3/4"	57	30
1"	1"	1"	68	45

* corresponds to outside diameter

**T-spacesaver for flexible tube (Series 1D),
(flare/spacesaver/flare)**

1



Article-Nr	Connection A	Connection B	Connection C	Material
1D310SS03PF	D1/4"	D1/4"	D1/4"	PFA
1D310SS03PN	D1/4"	D1/4"	D1/4"	PP-NATUR
1D310SS11PF	D3/8"	D3/8"	D3/8"	PFA
1D310SS11PN	D3/8"	D3/8"	D3/8"	PP-NATUR
1D310SS11PV	D3/8"	D3/8"	D3/8"	PVDF
1D310SS151503PF	D1/2"	D1/2"	D1/4"	PFA
1D310SS151503PN	D1/2"	D1/2"	D1/4"	PP-NATUR
1D310SS15PF	D1/2"	D1/2"	D1/2"	PFA
1D310SS15PN	D1/2"	D1/2"	D1/2"	PP-NATUR
1D310SS15PV	D1/2"	D1/2"	D1/2"	PVDF
1D310SS202011PF	D3/4"	D3/4"	D3/8"	PFA
1D310SS202011PN	D3/4"	D3/4"	D3/8"	PP-NATUR
1D310SS20PF	D3/4"	D3/4"	D3/4"	PFA
1D310SS20PN	D3/4"	D3/4"	D3/4"	PP-NATUR
1D310SS20PV	D3/4"	D3/4"	D3/4"	PVDF
1D310SS242420PV	D1"	D1"	D3/4"	PVDF
1D310SS24PV	D1"	D1"	D1"	PVDF

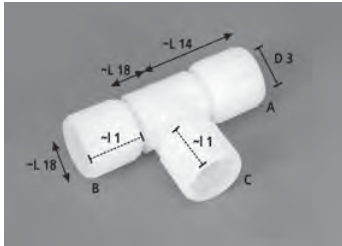
Dimensions 1D310SS...

A(D*)	B(D*)	C(D*)	~L1	~L14	~L18
1/4"	1/4"	1/4"	46	41	12
3/8"	3/8"	3/8"	51	47	15
1/2"	1/2"	1/2"	53	51	18
3/4"	3/4"	3/4"	61	57	20
1"	1"	1"	66	68	24

* corresponds to outside diameter

**T-spacesaver for flexible tube (Series 1D),
(flare/spacesaver/spacesaver)**

1



Article-Nr	Connection A	Connection B	Connection C	Material
1D320SS03PF	D1/4"	D1/4"	D1/4"	PFA
1D320SS03PN	D1/4"	D1/4"	D1/4"	PP-NATUR
1D320SS11PF	D3/8"	D3/8"	D3/8"	PFA
1D320SS11PN	D3/8"	D3/8"	D3/8"	PP-NATUR
1D320SS15PF	D1/2"	D1/2"	D1/2"	PFA
1D320SS15PN	D1/2"	D1/2"	D1/2"	PP-NATUR
1D320SS20PF	D3/4"	D3/4"	D3/4"	PFA
1D320SS20PN	D3/4"	D3/4"	D3/4"	PP-NATUR
1D320SS24PF	D1"	D1"	D1"	PFA
1D320SS24PN	D1"	D1"	D1"	PP-NATUR

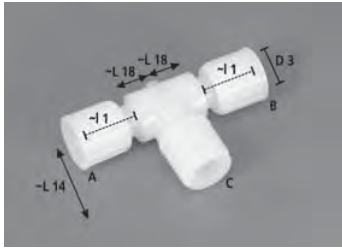
Dimensions 1D320SS...

A(D*)	B(D*)	C(D*)	~1	~L14	~L18	Ø3
1/4"	1/4"	1/4"	46	41	12	15
3/8"	3/8"	3/8"	51	47	15	20
1/2"	1/2"	1/2"	53	51	18	25
3/4"	3/4"	3/4"	61	57	20	30
1"	1"	1"	66	68	24	45

* corresponds to outside diameter

**T-spacesaver for flexible tube (Series 1D),
(spacesaver/spacesaver/flare)**

1



Article-Nr	Connection A	Connection B	Connection C	Material
1D330SS03PF	D1/4"	D1/4"	D1/4"	PFA
1D330SS03PN	D1/4"	D1/4"	D1/4"	PP-NATUR
1D330SS11PF	D3/8"	D3/8"	D3/8"	PFA
1D330SS11PN	D3/8"	D3/8"	D3/8"	PP-NATUR
1D330SS15PF	D1/2"	D1/2"	D1/2"	PFA
1D330SS15PN	D1/2"	D1/2"	D1/2"	PP-NATUR
1D330SS20PF	D3/4"	D3/4"	D3/4"	PFA
1D330SS20PN	D3/4"	D3/4"	D3/4"	PP-NATUR
1D330SS20PV	D3/4"	D3/4"	D3/4"	PVDF
1D330SS242024PV	D1"	D3/4"	D1"	PVDF
1D330SS24PF	D1"	D1"	D1"	PFA
1D330SS24PN	D1"	D1"	D1"	PP-NATUR

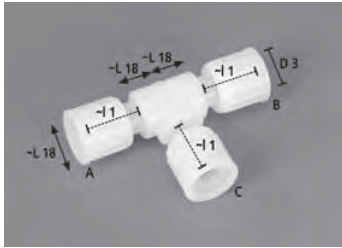
Dimensions 1D330SS...

A(D*)	B(D*)	C(D*)	~l1	~L14	~L18	ØD3
1/4"	1/4"	1/4"	46	41	12	15
3/8"	3/8"	3/8"	51	47	15	20
1/2"	1/2"	1/2"	53	51	18	25
3/4"	3/4"	3/4"	61	57	20	30
1"	1"	1"	66	68	24	45

* corresponds to outside diameter

**T-spacesaver for flexible tube (Series 1D),
(spacesaver/spacesaver/spacesaver)**

1



Article-Nr	Connection A	Connection B	Connection C	Material
1D340SS03PF	D1/4"	D1/4"	D1/4"	PFA
1D340SS03PN	D1/4"	D1/4"	D1/4"	PP-NATUR
1D340SS11PF	D3/8"	D3/8"	D3/8"	PFA
1D340SS11PN	D3/8"	D3/8"	D3/8"	PP-NATUR
1D340SS15PF	D1/2"	D1/2"	D1/2"	PFA
1D340SS15PN	D1/2"	D1/2"	D1/2"	PP-NATUR
1D340SS20PF	D3/4"	D3/4"	D3/4"	PFA
1D340SS20PN	D3/4"	D3/4"	D3/4"	PP-NATUR
1D340SS24PF	D1"	D1"	D1"	PFA
1D340SS24PN	D1"	D1"	D1"	PP-NATUR

Dimensions 1D340SS...

A(D*)	B(D*)	C(D*)	~l1	~L18	ØD3
1/4"	1/4"	1/4"	46	12	15
3/8"	3/8"	3/8"	51	15	20
1/2"	1/2"	1/2"	53	18	25
3/4"	3/4"	3/4"	61	20	30
1"	1"	1"	66	24	45

* corresponds to outside diameter

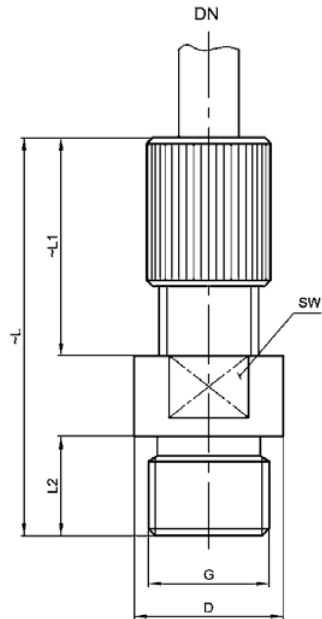


- 1) Available in HP quality (ISO Class 5 clean room)
- 2) Clamping ring for the use of flexible tubes ⇒ optimal protection against being pulled off ⇒ extreme tightness
- 3) Connector available in PP, natural PP, PVDF and PFA ⇒ high media resistance
- 4) Connection can be released at any time
- 5) Compact design, SW 10

The Series 1 M microconnectors were developed especially for use in medical, pharmaceutical and analytical system applications. They provide ideal connection features for PFA-, Silicone- or Tygon®-tubes. The microconnectors comprise a connector body with integrated conical connecting sleeve, a knurled nut for fixing the flexible tube and a slotted pressure ring. The pressure ring is not required for PFA flexible tubes. The connection is absolutely safe and leak-proof but can be undone at any time. The Series 1M is available in HP quality on request.

Straight micro connector for flexible tube (Series 1M) and male G-thread

1



Article-Nr	Connection A	Connection B	Material
1M100MG0118PN	DN1/16"/1/8"	G1/8"	PP-NATUR
1M100MG0118PP	DN1/16"/1/8"	G1/8"	PP
1M100MG0118PV	DN1/16"/1/8"	G1/8"	PVDF
1M100MG0218PV	DN3/32"/3/16"	G1/8"	PVDF
1M100MG0318PP	DN1/8"/1/4"	G1/8"	PP
1M100MG0818PV	DN1/32"/3/32"	G1/8"	PVDF

Technical data 1M...

Pressure stage	PN 6
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Materials 1M...

Body	PP	PP-nature	PVDF	PFA
Clamping ring	PVDF	PVDF	PVDF	PVDF
Knurled nut	PP	PVDF	PVDF	PVDF

Dimensions 1M100MG...

DN	G	~L	~L1	~L2	ØD	SW
1/16"/1/8"	G 1/8"	30	15.5	8	12	10
3/32"/3/16"	G 1/8"	32	17.5	8	12	10
1/8"/1/4"	G 1/8"	32	17.5	8	12	10

Straight micro connector for flexible tube (Series 1M) with male M-thread

1



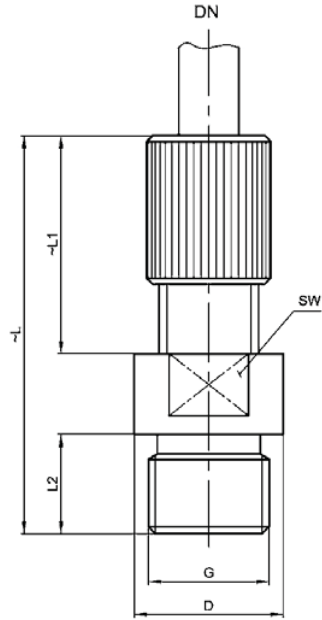
Article-Nr	Connection A	Connection B	Material
1M100MM0108PP	DN1/16"/1/8"	M8	PP
1M100MM0108PV	DN1/16"/1/8"	M8	PVDF

Technical data 1M...

Pressure stage	PN 6
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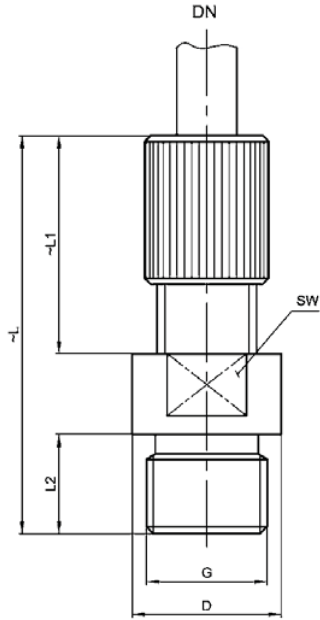
Materials 1M...

Body	PP	PP-nature	PVDF	PFA
Clamping ring	PVDF	PVDF	PVDF	PVDF
Knurled nut	PP	PVDF	PVDF	PVDF



Straight micro connector for flexible tube (Series 1M) and male NPT-thread

1



Article-Nr	Connection A	Connection B	Material
1M100MN0118PV	DN1/16"/1/8"	NPT1/8"	PVDF
1M100MN0318PV	DN1/8"/1/4"	NPT1/8"	PVDF

Technical data 1M...

Pressure stage	PN 6
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Materials 1M...

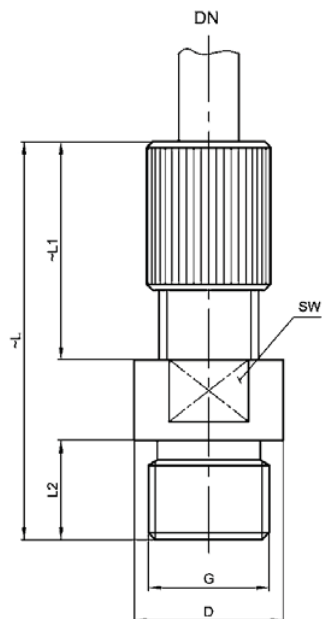
Body	PP	PP-nature	PVDF	PFA
Clamping ring	PVDF	PVDF	PVDF	PVDF
Knurled nut	PP	PVDF	PVDF	PVDF

Dimensions 1M100MN...

DN	G	~L	~L1	~L2	ØD	SW
1/16"/1/8"	NPT 1/8"	32	15.5	10	12	10
3/32"/3/16"	NPT 1/8"	34	17.5	10	12	10
1/8"/1/4"	NPT 1/8"	34	17.5	10	12	10

Straight micro connector for flexible tube (Series 1M) and male UNF-thread

1



Article-Nr	Connection A	Connection B	Material
1M100MU0110PV	DN1/16"/1/8"	UNF10-32	PVDF
1M100MU0112PP	DN1/16"/1/8"	UNF1/4"	PP
1M100MU0112PV	DN1/16"/1/8"	UNF1/4"	PVDF
1M100MU0210PV	DN3/32"/3/16"	UNF10-32	PVDF
1M100MU0212PP	DN3/32"/3/16"	UNF1/4"	PP
1M100MU0212PV	DN3/32"/3/16"	UNF1/4"	PVDF
1M100MU0312PP	DN1/8"/1/4"	UNF1/4"	PP
1M100MU0312PV	DN1/8"/1/4"	UNF1/4"	PVDF
1M100MU3812PV	DN02/04	UNF1/4"	PVDF
1M100MU4010PV	DN04/06	UNF10-32	PVDF
1M100MU4012PP	DN04/06	UNF1/4"	PP
1M100MU4012PV	DN04/06	UNF1/4"	PVDF

Technical data 1M...

Pressure stage	PN 6
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Materials 1M...

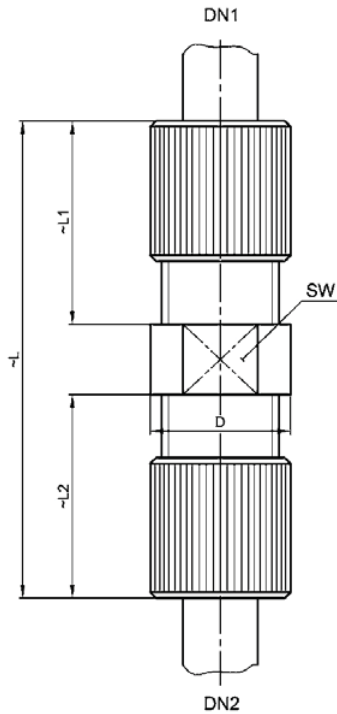
Body	PP	PP-nature	PVDF	PFA
Clamping ring	PVDF	PVDF	PVDF	PVDF
Knurled nut	PP	PVDF	PVDF	PVDF

Dimensions 1M100MU...

DN	G	~L	~L1	~L2	ØD	SW
1/16"/1/8"	UNF 1/4"	30	15.5	8	12	10
3/32"/3/16"	UNF 1/4"	32	17.5	8	12	10
1/8"/1/4"	UNF 1/4"	32	17.5	8	12	10

Straight micro union for flexible tube on both ends (Series 1M)

1



Article-Nr	Connection A	Connection B	Material
1M100T01PN	DN1/16"/1/8"	DN1/16"/1/8"	PP-NATUR
1M100T01PP	DN1/16"/1/8"	DN1/16"/1/8"	PP
1M100T01PV	DN1/16"/1/8"	DN1/16"/1/8"	PVDF
1M100T0201PV	DN3/32"/3/16"	DN1/16"/1/8"	PVDF
1M100T0302PV	DN1/8"/1/4"	DN3/32"/3/16"	PVDF
1M100T03PV	DN1/8"/1/4"	DN1/8"/1/4"	PVDF
1M100T30PV	DN03/04	DN03/04	PVDF
1M100T40PV	DN04/06	DN04/06	PVDF

Technical data 1M. . .

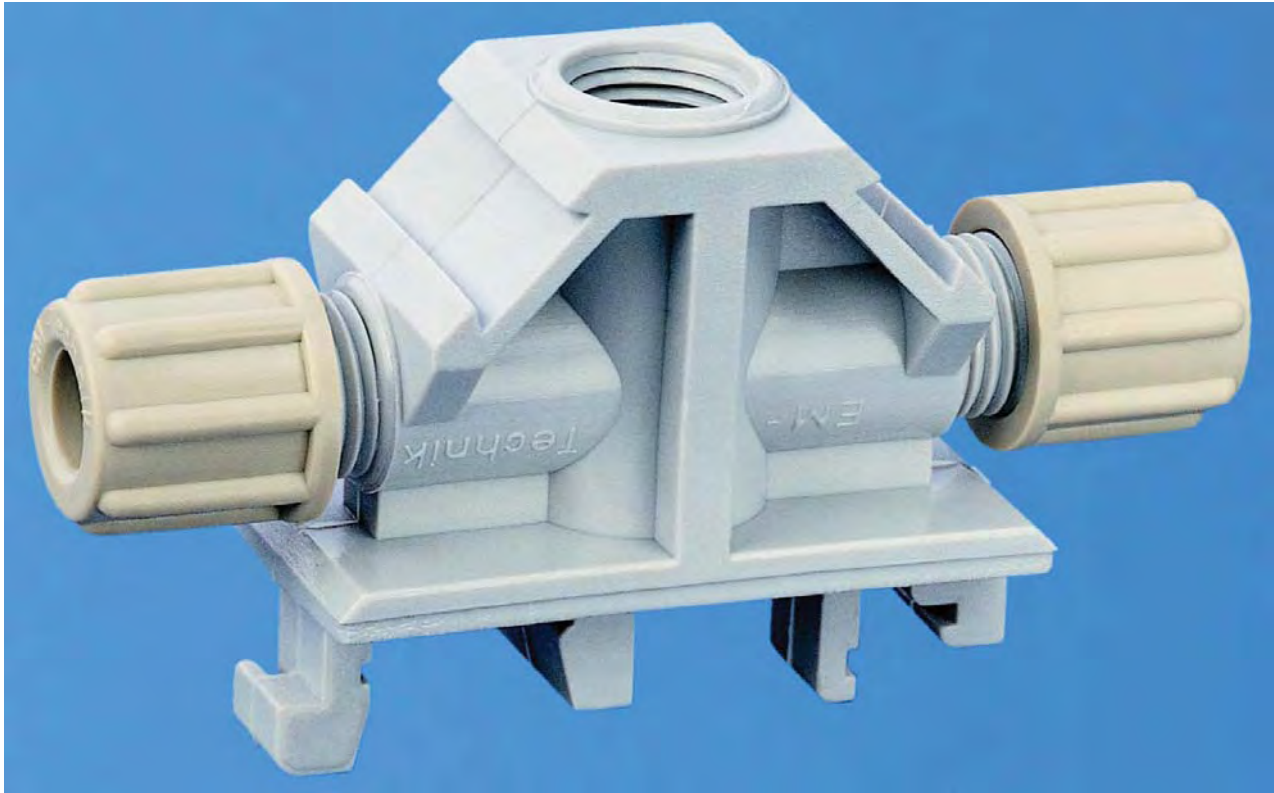
Pressure stage	PN 6
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Materials 1M. . .

Body	PP	PP-nature	PVDF	PFA
Clamping ring	PVDF	PVDF	PVDF	PVDF
Knurled nut	PP	PVDF	PVDF	PVDF

Dimensions 1M100T. . .

DN1	DN2	~L	~L1	~L2	ØD	SW
1/16"/1/8"	1/16"/1/8"	37	15.5	15,5	8	6
3/32"/3/16"	3/32"/3/16"	42	17.5	17,5	10	8
1/8"/1/4"	1/8"/1/4"	43	17.5	17,5	12	10

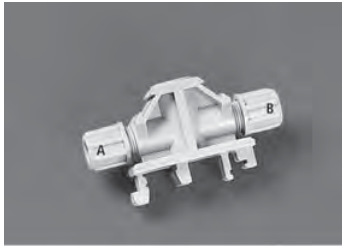


- 1) Also available in asymmetrical form ⇒ Space saving
- 2) Row terminals available in PA and PP

Flexible tubes are connected to our row terminals by the same connection principle described for the Series 1A, i. e. the flexible tube connection consists of an integrated connecting sleeve, clamping ring and knurled nut. The row terminals are equipped with a special grid foot for lining up on mounting rails and top-hat rails. An often used solution is the connection block for three lines. It is even possible to use a double guide, which would allow the connection of e.g. a pressure gauge. Connections can be added at any time. Ask us.

Straight row terminal Series 1R with connection for flexible tube Series 1A

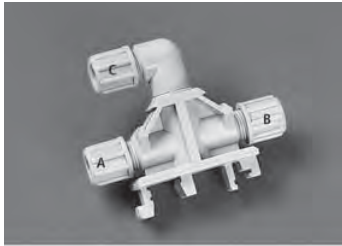
1



Article-Nr	Connection A	Connection B	Material
1R100T40PP	DN04/06		PP
1R100T40PV	DN04/06		PVDF
1R100T4340PP	DN06/08	DN04/06	PP
1R100T43PP	DN06/08		PP
1R100T43PV	DN06/08		PVDF

Row terminal with horizontal outlet Series 1R
with connection for flexible tube Series 1A

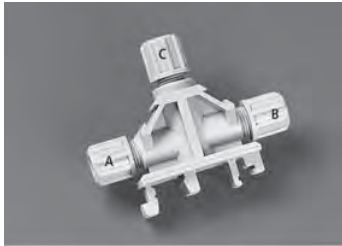
1



Article-Nr	Connection A	Material
1R102T40PP	DN04/06	PP
1R102T40PV	DN04/06	PVDF

Row terminal with vertical outlet Series 1R with connection for flexible tube Series 1A

1



Article-Nr	Connection A	Material
1R300T40PP	DN04/06	PP
1R300T40PV	DN04/06	PVDF
1R300T43PV	DN06/08	PVDF



Connection principle 2D 264
 Bushing with connection principle 2N: the pipe can be guided through the connector.



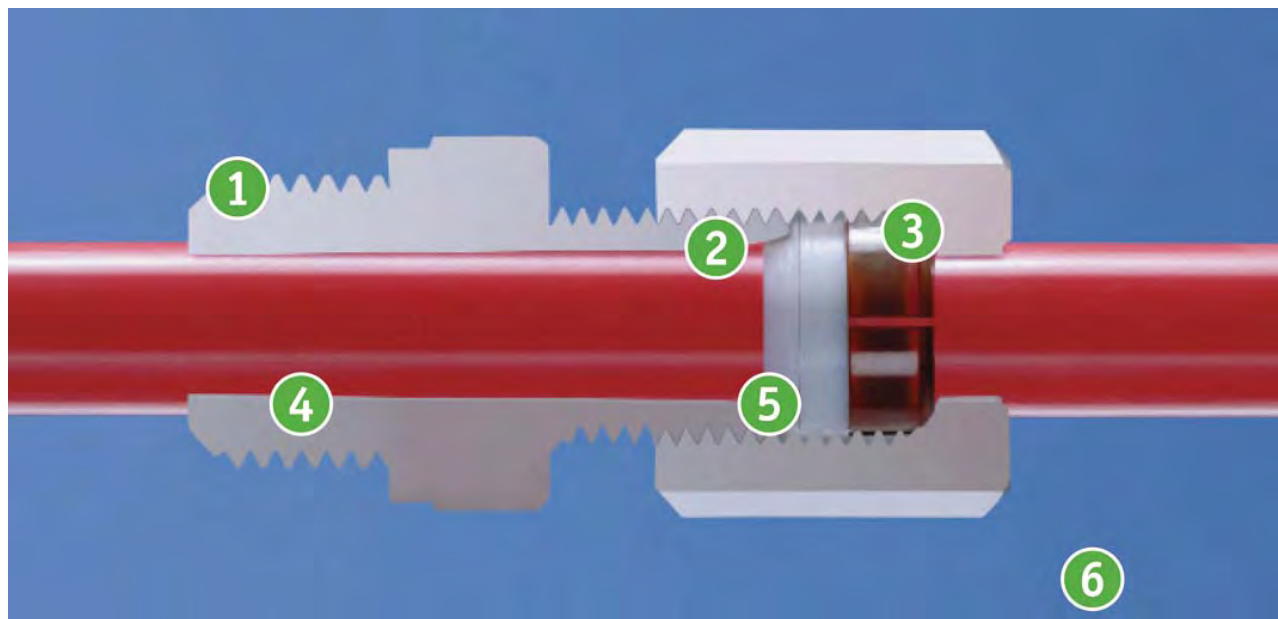
Connection principle 2M 272
 For flexible minitubes: thin pipes of 1.7 – 6.35 mm outside diameter are guided with the aid of a sealing cone, sealed and locked by an O-ring and a knurled nut.



Connection principle 2N 293
 The pipe is in contact with the inner edge of the connector body. The connection is sealed by the sealing ring and locked by the cutting ring and hexagon nut.



Connection principle 2T 369
 Bushings for flexible minitubes with connection principle 2N. The pipe is guided through the connector.

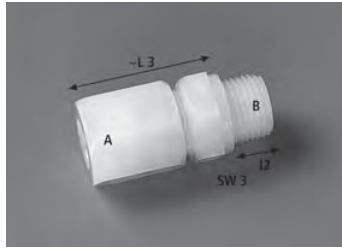


- 1) Thread manufactured according to DIN, USAS or JIS ⇒ Various connection options
- 2) No reduction of cross-section ⇒ Full flow rate
- 3) Secure connection by cutting ring principle ⇒ Suitable for rigid pipes
- 4) Bushing ⇒ Suitable for bead tubes, sensors, thermometers etc.
- 5) Sealed by PTFE sealing ring ⇒ Maximum media resistance
- 6) Connector available in PP, PVDF, PFA, PTFE ⇒ High media resistance

The connection principle used in Series 2D from EM-TECHNIK is the same as that used in Series 2N. The letter “D” only describes that it performs a “bushing function”, i.e. the pipe is guided through the connector. This is necessary, e.g. for bead tubes, immersion tubes, thermometers or sensors.

Straight connector for pipe (Series 2D) with male G-thread

2



Article-Nr	Connection A	Connection B	Material
2D100MG0312PF	D1/8"	G1/2"	PFA
2D100MG0312PP	D1/8"	G1/2"	PP
2D100MG0314PF	D1/8"	G1/4"	PFA
2D100MG0314PP	D1/8"	G1/4"	PP
2D100MG0314PV	D1/8"	G1/4"	PVDF
2D100MG0338PP	D1/8"	G3/8"	PP
2D100MG0418PF	D3/16"	G1/8"	PFA
2D100MG0512PF	D1/4"	G1/2"	PFA
2D100MG0514PF	D1/4"	G1/4"	PFA
2D100MG0514PN	D1/4"	G1/4"	PP-NATUR
2D100MG0514PP	D1/4"	G1/4"	PP
2D100MG0514PV	D1/4"	G1/4"	PVDF
2D100MG0538PF	D1/4"	G3/8"	PFA
2D100MG0912PF	D5/16"	G1/2"	PFA
2D100MG1112PF	D3/8"	G1/2"	PFA
2D100MG1112PP	D3/8"	G1/2"	PP
2D100MG1138PP	D3/8"	G3/8"	PP
2D100MG1512PF	D1/2"	G1/2"	PFA
2D100MG1512PP	D1/2"	G1/2"	PP
2D100MG1512PV	D1/2"	G1/2"	PVDF
2D100MG1512PVFP	D1/2"	G1/2"	PVDF/FPM
2D100MG1634PF	D5/8"	G3/4"	PFA
2D100MG20100PF	D3/4"	G1"	PFA
2D100MG3812PP	D04	G1/2"	PP
2D100MG3812PT	D04	G1/2"	PTFE
2D100MG3812PV	D04	G1/2"	PVDF
2D100MG3814PN	D04	G1/4"	PP-NATUR
2D100MG3814PP	D04	G1/4"	PP
2D100MG3814PPEP	D04	G1/4"	PP/EPDM
2D100MG3814PPFP	D04	G1/4"	PP/FPM
2D100MG3814PT	D04	G1/4"	PTFE
2D100MG3814PV	D04	G1/4"	PVDF
2D100MG3818PF	D04	G1/8"	PFA
2D100MG3818PN	D04	G1/8"	PP-NATUR
2D100MG3818PP	D04	G1/8"	PP
2D100MG3818PPFP	D04	G1/8"	PP/FPM
2D100MG3818PV	D04	G1/8"	PVDF
2D100MG3838PP	D04	G3/8"	PP
2D100MG3918PP	D05	G1/8"	PP
2D100MG40100PP	D06	G1"	PP
2D100MG4012PP	D06	G1/2"	PP
2D100MG4012PT	D06	G1/2"	PTFE
2D100MG4012PV	D06	G1/2"	PVDF
2D100MG4014PF	D06	G1/4"	PFA
2D100MG4014PPFP	D06	G1/4"	PFA/FPM
2D100MG4014PN	D06	G1/4"	PP-NATUR
2D100MG4014PP	D06	G1/4"	PP
2D100MG4014PPEP	D06	G1/4"	PP/EPDM
2D100MG4014PPFP	D06	G1/4"	PP/FPM
2D100MG4014PT	D06	G1/4"	PTFE
2D100MG4014PV	D06	G1/4"	PVDF
2D100MG4014PVFP	D06	G1/4"	PVDF/FPM
2D100MG4018PF	D06	G1/8"	PFA
2D100MG4018PP	D06	G1/8"	PP
2D100MG4018PV	D06	G1/8"	PVDF
2D100MG4038PF	D06	G3/8"	PFA
2D100MG4038PP	D06	G3/8"	PP
2D100MG4038PT	D06	G3/8"	PTFE
2D100MG4038PV	D06	G3/8"	PVDF
2D100MG4312PF	D08	G1/2"	PFA
2D100MG4312PP	D08	G1/2"	PP
2D100MG4312PT	D08	G1/2"	PTFE

.....continued on the next page

Straight connector for pipe (Series 2D) with male G-thread

2

Article-Nr	Connection A	Connection B	Material
2D100MG4312PV	D08	G1/2"	PVDF
2D100MG4314PF	D08	G1/4"	PFA
2D100MG4314PN	D08	G1/4"	PP-NATUR
2D100MG4314PP	D08	G1/4"	PP
2D100MG4314PPFP	D08	G1/4"	PP/FPM
2D100MG4314PT	D08	G1/4"	PTFE
2D100MG4314PV	D08	G1/4"	PVDF
2D100MG4314PVFP	D08	G1/4"	PVDF/FPM
2D100MG4338PF	D08	G3/8"	PFA
2D100MG4338PN	D08	G3/8"	PP-NATUR
2D100MG4338PP	D08	G3/8"	PP
2D100MG4338PT	D08	G3/8"	PTFE
2D100MG4338PV	D08	G3/8"	PVDF
2D100MG4512PF	D10	G1/2"	PFA
2D100MG4512PN	D10	G1/2"	PP-NATUR
2D100MG4512PP	D10	G1/2"	PP
2D100MG4512PPEP	D10	G1/2"	PP/EPDM
2D100MG4512PT	D10	G1/2"	PTFE
2D100MG4512PV	D10	G1/2"	PVDF
2D100MG4512PVFP	D10	G1/2"	PVDF/FPM
2D100MG4514PV	D10	G1/4"	PVDF
2D100MG4538PF	D10	G3/8"	PFA
2D100MG4538PN	D10	G3/8"	PP-NATUR
2D100MG4538PP	D10	G3/8"	PP
2D100MG4538PPFP	D10	G3/8"	PP/FPM
2D100MG4538PT	D10	G3/8"	PTFE
2D100MG4538PV	D10	G3/8"	PVDF
2D100MG4538PVFP	D10	G3/8"	PVDF/FPM
2D100MG4812PF	D12	G1/2"	PFA
2D100MG4812PK	D12	G1/2"	PEEK
2D100MG4812PN	D12	G1/2"	PP-NATUR
2D100MG4812PP	D12	G1/2"	PP
2D100MG4812PPEP	D12	G1/2"	PP/EPDM
2D100MG4812PPFP	D12	G1/2"	PP/FPM
2D100MG4812PT	D12	G1/2"	PTFE
2D100MG4812PV	D12	G1/2"	PVDF
2D100MG4812PVEP	D12	G1/2"	PVDF/EPDM
2D100MG4812PVFP	D12	G1/2"	PVDF/FPM
2D100MG4834PP	D12	G3/4"	PP
2D100MG4834PPFP	D12	G3/4"	PP/FPM
2D100MG4834PV	D12	G3/4"	PVDF
2D100MG4838PP	D12	G3/8"	PP
2D100MG4838PV	D12	G3/8"	PVDF
2D100MG5112PP	D14	G1/2"	PP
2D100MG5112PV	D14	G1/2"	PVDF
2D100MG5134PF	D14	G3/4"	PFA
2D100MG5134PP	D14	G3/4"	PP
2D100MG5134PV	D14	G3/4"	PVDF
2D100MG5234PT	D15	G3/4"	PTFE
2D100MG53100PP	D16	G1"	PP
2D100MG5312PF	D16	G1/2"	PFA
2D100MG5334PF	D16	G3/4"	PFA
2D100MG5334PP	D16	G3/4"	PP
2D100MG5334PPFP	D16	G3/4"	PP/FPM
2D100MG5334PT	D16	G3/4"	PTFE
2D100MG5334PV	D16	G3/4"	PVDF
2D100MG55100PP	D18	G1"	PP
2D100MG57100PF	D20	G1"	PFA
2D100MG57100PP	D20	G1"	PP
2D100MG59100PV	D22	G1"	PVDF
2D100MG61100PF	D25	G1"	PFA
2D100MG61100PP	D25	G1"	PP

Straight connector for pipe (Series 2D) with male G-thread

2

Dimensions 2D100MG. . .

A(D)	B(G)	l2	~L3	SW3
4	1/8"	8	22.5	14
4	1/4"	12	24	17
6	1/4"	12	35	17
6	3/8"	12	36.5	22
6	1/2"	14	39	27
8	1/4"	12	35	17
8	3/8"	12	36.5	22
8	1/2"	14	39	27
10	3/8"	12	39.5	22
10	1/2"	14	42	27
12	1/2"	14	45	27
12	3/4"	16	50	36
14	3/4"	16	50	36
16	3/4"	16	50	36
1/8"	1/8"	8	25.5	14
1/8"	1/4"	12	27	17
1/8"	3/8"	12	28.5	22
1/8"	1/2"	14	31	27
1/4"	1/4"	12	36	17
1/4"	3/8"	12	37.5	22
1/4"	1/2"	14	40	27
3/8"	3/8"	12	39.5	22
3/8"	1/2"	14	42	27
1/2"	1/2"	14	46	27
1/2"	3/4"	16	51	36

Straight connector for pipe (Series 2D) with male M-thread

2



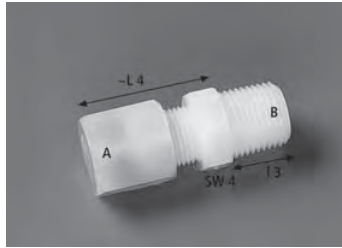
Article-Nr	Connection A	Connection B	Material
2D100MM0515PT	D1/4"	M12x1,5	PTFE
2D100MM0523PP	D1/4"	M20x1,5	PP
2D100MM1123PP	D3/8"	M20x1,5	PP
2D100MM1523PP	D1/2"	M20x1,5	PP
2D100MM3811PP	D04	M10x1	PP
2D100MM3811PV	D04	M10x1	PVDF
2D100MM4012PF	D06	M10x1,5	PFA
2D100MM4012PP	D06	M10x1,5	PP
2D100MM4012PV	D06	M10x1,5	PVDF
2D100MM4014PP	D06	M12x1	PP
2D100MM4015PP	D06	M12x1,5	PP
2D100MM4015PV	D06	M12x1,5	PVDF
2D100MM4019PP	D06	M16x1,5	PP
2D100MM4317PF	D08	M14x1,5	PFA
2D100MM4319PF	D08	M16x1,5	PFA
2D100MM4319PP	D08	M16x1,5	PP
2D100MM4319PV	D08	M16x1,5	PVDF
2D100MM4321PP	D08	M18x1,5	PP
2D100MM4521PP	D10	M18x1,5	PP
2D100MM4821PP	D12	M18x1,5	PP
2D100MM4823PP	D12	M20x1,5	PP
2D100MM4823PV	D12	M20x1,5	PVDF
2D100MM5123PP	D14	M20x1,5	PP

Dimensions 2D100MM. . .

A(D)	B(M)	l2	~L3	SW3
6	10x1,5	8	33.5	14
6	12x1,5	12	35	17
6	14x1,5	12	36.5	19
8	16x1,5	12	36.5	22
8	18x1,5	12	38	24
10	18x1,5	12	41	24
10	20x1,5	14	42	27
12	20x1,5	14	45	27
14	20x1,5	14	45	27

Straight connector for pipe (Series 2D) with male NPT-thread

2



Article-Nr	Connection A	Connection B	Material
2D100MN0314PF	D1/8"	NPT1/4"	PFA
2D100MN0314PV	D1/8"	NPT1/4"	PVDF
2D100MN0318PV	D1/8"	NPT1/8"	PVDF
2D100MN0338PV	D1/8"	NPT3/8"	PVDF
2D100MN0512PV	D1/4"	NPT1/2"	PVDF
2D100MN0514PF	D1/4"	NPT1/4"	PFA
2D100MN0514PP	D1/4"	NPT1/4"	PP
2D100MN0514PT	D1/4"	NPT1/4"	PTFE
2D100MN0514PV	D1/4"	NPT1/4"	PVDF
2D100MN0538PP	D1/4"	NPT3/8"	PP
2D100MN0538PV	D1/4"	NPT3/8"	PVDF
2D100MN11100PV	D3/8"	NPT1"	PVDF
2D100MN1112PV	D3/8"	NPT1/2"	PVDF
2D100MN1138PF	D3/8"	NPT3/8"	PFA
2D100MN1138PP	D3/8"	NPT3/8"	PP
2D100MN1138PV	D3/8"	NPT3/8"	PVDF
2D100MN1512PF	D1/2"	NPT1/2"	PFA
2D100MN1512PT	D1/2"	NPT1/2"	PTFE
2D100MN1512PV	D1/2"	NPT1/2"	PVDF
2D100MN1534PV	D1/2"	NPT3/4"	PVDF
2D100MN20100PV	D3/4"	NPT1"	PVDF
2D100MN24114PP	D1"	NPT1 1/4"	PP
2D100MN3814PF	D04	NPT1/4"	PFA
2D100MN3814PN	D04	NPT1/4"	PP-NATUR
2D100MN3814PP	D04	NPT1/4"	PP
2D100MN3814PT	D04	NPT1/4"	PTFE
2D100MN3814PV	D04	NPT1/4"	PVDF
2D100MN3818PN	D04	NPT1/8"	PP-NATUR
2D100MN3818PP	D04	NPT1/8"	PP
2D100MN3818PV	D04	NPT1/8"	PVDF
2D100MN3838PF	D04	NPT3/8"	PFA
2D100MN3838PN	D04	NPT3/8"	PP-NATUR
2D100MN4012PF	D06	NPT1/2"	PFA
2D100MN4012PN	D06	NPT1/2"	PP-NATUR
2D100MN4012PP	D06	NPT1/2"	PP
2D100MN4012PV	D06	NPT1/2"	PVDF
2D100MN4014PF	D06	NPT1/4"	PFA
2D100MN4014PN	D06	NPT1/4"	PP-NATUR
2D100MN4014PP	D06	NPT1/4"	PP
2D100MN4014PT	D06	NPT1/4"	PTFE
2D100MN4014PV	D06	NPT1/4"	PVDF
2D100MN4018PP	D06	NPT1/8"	PP
2D100MN4018PV	D06	NPT1/8"	PVDF
2D100MN4038PF	D06	NPT3/8"	PFA
2D100MN4314PF	D08	NPT1/4"	PFA
2D100MN4314PN	D08	NPT1/4"	PP-NATUR
2D100MN4314PP	D08	NPT1/4"	PP
2D100MN4314PV	D08	NPT1/4"	PVDF
2D100MN4338PF	D08	NPT3/8"	PFA
2D100MN4338PP	D08	NPT3/8"	PP
2D100MN4512PP	D10	NPT1/2"	PP
2D100MN4512PT	D10	NPT1/2"	PTFE
2D100MN4512PV	D10	NPT1/2"	PVDF
2D100MN4538PP	D10	NPT3/8"	PP
2D100MN4538PT	D10	NPT3/8"	PTFE
2D100MN4538PV	D10	NPT3/8"	PVDF
2D100MN4812PN	D12	NPT1/2"	PP-NATUR
2D100MN4812PP	D12	NPT1/2"	PP
2D100MN4812PT	D12	NPT1/2"	PTFE
2D100MN4812PV	D12	NPT1/2"	PVDF
2D100MN4838PF	D12	NPT3/8"	PFA
2D100MN5112PP	D14	NPT1/2"	PP

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Straight connector for pipe (Series 2D) with male NPT-thread

2

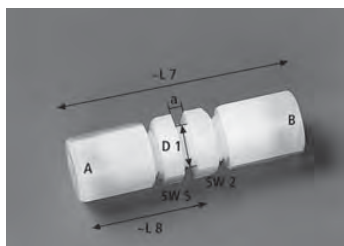
Article-Nr	Connection A	Connection B	Material
2D100MN5134PP	D14	NPT3/4"	PP

Dimensions 2D100MN...

A(D)	B(NPT)	I3	~L4	SW4
4	1/8"	10	21	12
4	1/4"	15	22	17
6	1/4"	15	33	17
6	3/8"	15.3	34	19
6	1/2"	20	35	24
8	1/4"	15	33	17
8	3/8"	15.3	34	19
8	1/2"	20	35	24
10	3/8"	15.3	37	22
10	1/2"	20	38	24
12	1/2"	20	41	24
12	3/4"	20	45	32
14	3/4"	20	45	32
16	3/4"	20	45	32
1/8"	1/8"	10	24	12
1/8"	1/4"	15	25	17
1/8"	3/8"	15.3	26	19
1/8"	1/2"	20	27	24
1/4"	1/4"	15	34	17
1/4"	3/8"	15.3	35	19
1/4"	1/2"	20	36	24
3/8"	3/8"	15.3	37	22
3/8"	1/2"	20	38	24
1/2"	1/2"	20	42	24
1/2"	3/4"	20	46	32

Straight bulkhead union for pipe on both ends (Series 2D)

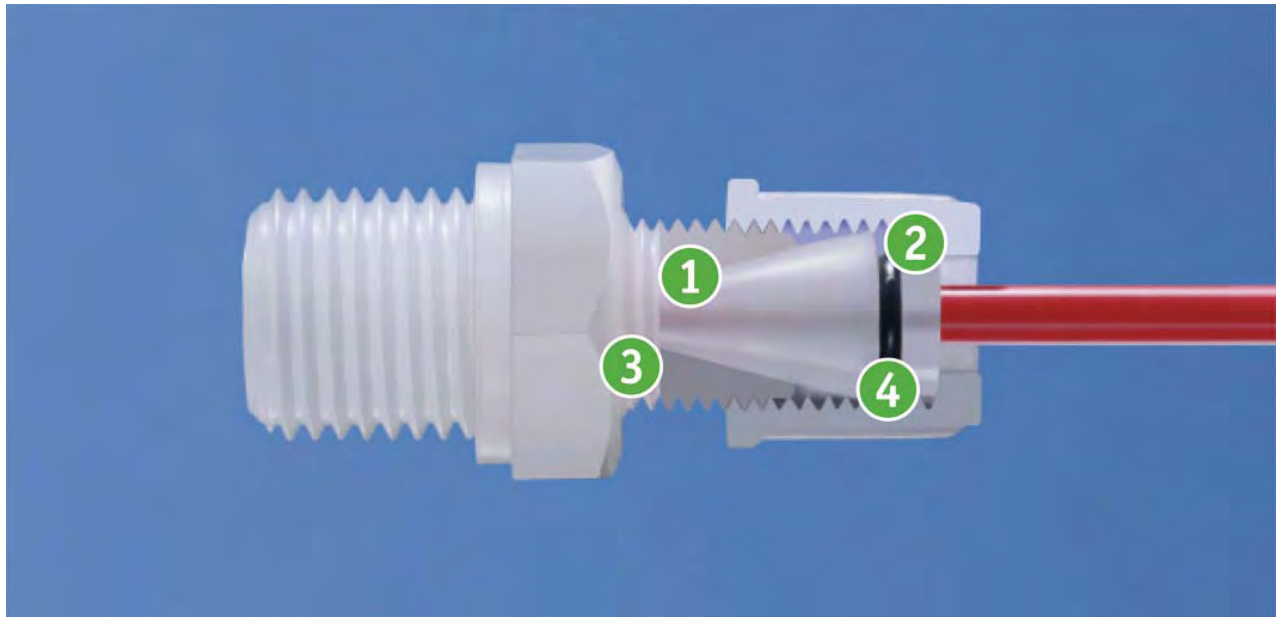
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Article-Nr	Connection A	Connection B	Material
2D101P03PF	D1/8"	D1/8"	PFA
2D101P03PP	D1/8"	D1/8"	PP
2D101P03PT	D1/8"	D1/8"	PTFE
2D101P05PF	D1/4"	D1/4"	PFA
2D101P05PP	D1/4"	D1/4"	PP
2D101P15PV	D1/2"	D1/2"	PVDF
2D101P38PF	D04	D04	PFA
2D101P38PP	D04	D04	PP
2D101P38PV	D04	D04	PVDF
2D101P4045PP	D06	D10	PP
2D101P40PF	D06	D06	PFA
2D101P40PP	D06	D06	PP
2D101P40PV	D06	D06	PVDF
2D101P43PF	D08	D08	PFA
2D101P43PP	D08	D08	PP
2D101P43PV	D08	D08	PVDF
2D101P45PF	D10	D10	PFA
2D101P45PP	D10	D10	PP
2D101P45PV	D10	D10	PVDF
2D101P48PF	D12	D12	PFA
2D101P48PK	D12	D12	PEEK
2D101P48PP	D12	D12	PP
2D101P48PV	D12	D12	PVDF
2D101P57PP	D20	D20	PP

Dimensions 2D101P. . .

A(D)	B(D)	~L7	~L8	SW2	SW5	ØD1	a
4	4	47	29	14	14	8.5	9
6	6	70	42	17	17	12.5	9
8	8	76	42	19	19	14.5	9
10	10	81	47	19	22	16.5	10
12	12	87	53	22	24	18.5	12
14	14	99	57	27	27	22.5	14
16	16	104	59	32	32	24.5	16
18	18	116	65	32	32	26.5	16
20	20	120	69	32	32	27.5	18
1/8"	1/8"	58	31	14	14	8.5	9
1/4"	1/4"	77	43	17	17	12.5	9
3/8"	3/8"	79	42	22	22	16.5	10
1/2"	1/2"	95	47	24	24	18.5	12



- 1) Sealed by sealing cone made of PTFE ⇒ Maximum media resistance
- 2) Pressure disc protects O-ring against damage ⇒ Secure, tight and durable connection
- 3) No reduction of cross-section ⇒ Full flow rate
- 4) O-ring holds pipe ⇒ Safeguard against the tube being pulled out

The connection principle used in Series 2M from EM-TECHNIK has been developed for thin pipes, e.g. capillary tubes of 0.7 to 6.35 mm outside diameter. The connector consist of a sealing cone which is pushed into the matching inner taper of the connector to act as a bushing for the pipe while performing a sealing function. An additional O-ring, which is protected against damage by a pressure disc, holds the pipe in place and prevents it from being pulled out accidentally. The result is a secure and tight connection.

Straight connector for pipe (Series 2M) with female G-thread

2



Article-Nr	Connection A	Connection B	Material
2M100FG1614PT	D1,6	G1/4"	PTFE
2M100FG1618PT	D1,6	G1/8"	PTFE
2M100FG2814PV	D2,8	G1/4"	PVDF
2M100FG3014PF	D3,0	G1/4"	PFA
2M100FG3014PT	D3,0	G1/4"	PTFE
2M100FG3014PV	D3,0	G1/4"	PVDF
2M100FG3018PF	D3,0	G1/8"	PFA
2M100FG3018PV	D3,0	G1/8"	PVDF
2M100FG3214PF	D3,2	G1/4"	PFA
2M100FG3214PT	D3,2	G1/4"	PTFE
2M100FG3218PP	D3,2	G1/8"	PP
2M100FG3418PP	D3,4	G1/8"	PP
2M100FG4014PT	D4,0	G1/4"	PTFE
2M100FG4014PV	D4,0	G1/4"	PVDF
2M100FG4812PV	D4,8	G1/2"	PVDF
2M100FG5014PT	D5,0	G1/4"	PTFE

Dimensions 2M100FG... , 2T100FG...

A(D)	B(G)	l4	~L5	SW3
0,7-1	1/8"	10	36	14
0,7-1	1/4"	15	41	17
1,1-2	1/8"	10	36	14
1,1-2	1/4"	15	41	17
2,1-4	1/8"	10	36	14
2,1-4	1/4"	15	41	17
4,1-6,4	1/8"	10	36	14
4,1-6,4	1/4"	15	41	17

Straight connector for pipe (Series 2M) with female M-thread

2



Article-Nr	Connection A	Connection B	Material
2M100FM2014PT	D2,0	M12x1	PTFE
2M100FM3010PT	D3,0	M10	PTFE
2M100FM3011PT	D3,0	M10x1	PTFE
2M100FM3011PV	D3,0	M10x1	PVDF
2M100FM3014PT	D3,0	M12x1	PTFE
2M100FM3223PV	D3,2	M20x1,5	PVDF
2M100FM4010PT	D4,0	M10	PTFE
2M100FM4011PT	D4,0	M10x1	PTFE
2M100FM4014PT	D4,0	M12x1	PTFE
2M100FM6011PT	D6,0	M10x1	PTFE
2M100FM6014PT	D6,0	M12x1	PTFE

Dimensions 2M100FM... , 2T100FM...

A(D)	B(M)	l4	~L5	SW3
0,7-1	10x1	10	36	14
1,1-2	10x1	10	36	14
2,1-4	10x1	10	36	14
4,1-6,4	10x1	10	36	14

Straight connector for pipe (Series 2M) with female NPT-thread

2



Article-Nr	Connection A	Connection B	Material
2M100FN1518PT	D1,5	NPT1/8"	PTFE
2M100FN1618PV	D1,6	NPT1/8"	PVDF
2M100FN1718PF	D1,7	NPT1/8"	PFA
2M100FN2018PV	D2,0	NPT1/8"	PVDF
2M100FN3014PT	D3,0	NPT1/4"	PTFE
2M100FN3014PV	D3,0	NPT1/4"	PVDF
2M100FN3018PV	D3,0	NPT1/8"	PVDF

Dimensions 2M100FN... , 2T100FN...

A(D)	B(NPT)	I5	~L6	SW4
0,7-1	1/8"	11.6	33	12
0,7-1	1/4"	16.4	39	17
1,1-2	1/8"	11.6	33	12
1,1-2	1/4"	16.4	39	17
2,1-4	1/8"	11.6	33	12
2,1-4	1/4"	16.4	39	17
4,1-6,4	1/8"	11.6	33	12
4,1-6,4	1/4"	16.4	39	17

Straight connector for pipe (Series 2M) with male G-thread

2



Article-Nr	Connection A	Connection B	Material
2M100MG0318PV	D1/8"	G1/8"	PVDF
2M100MG0714PT	D0,7	G1/4"	PTFE
2M100MG0714PV	D0,7	G1/4"	PVDF
2M100MG0718PT	D0,7	G1/8"	PTFE
2M100MG0718PV	D0,7	G1/8"	PVDF
2M100MG0818PT	D0,8	G1/8"	PTFE
2M100MG0918PT	D0,9	G1/8"	PTFE
2M100MG0918PV	D0,9	G1/8"	PVDF
2M100MG1014PV	D1,0	G1/4"	PVDF
2M100MG1018PV	D1,0	G1/8"	PVDF
2M100MG1514PV	D1,5	G1/4"	PVDF
2M100MG1518PV	D1,5	G1/8"	PVDF
2M100MG1614PF	D1,6	G1/4"	PFA
2M100MG1614PT	D1,6	G1/4"	PTFE
2M100MG1614PV	D1,6	G1/4"	PVDF
2M100MG1618PP	D1,6	G1/8"	PP
2M100MG1618PT	D1,6	G1/8"	PTFE
2M100MG1618PV	D1,6	G1/8"	PVDF
2M100MG1818PT	D1,8	G1/8"	PTFE
2M100MG1818PV	D1,8	G1/8"	PVDF
2M100MG1918PV	D1,9	G1/8"	PVDF
2M100MG2014PF	D2,0	G1/4"	PFA
2M100MG2014PT	D2,0	G1/4"	PTFE
2M100MG2014PV	D2,0	G1/4"	PVDF
2M100MG2018PF	D2,0	G1/8"	PFA
2M100MG2018PT	D2,0	G1/8"	PTFE
2M100MG2018PV	D2,0	G1/8"	PVDF
2M100MG2018PVFP	D2,0	G1/8"	PVDF/FPM
2M100MG2118PV	D2,1	G1/8"	PVDF
2M100MG2314PP	D2,3	G1/4"	PP
2M100MG2314PT	D2,3	G1/4"	PTFE
2M100MG2314PV	D2,3	G1/4"	PVDF
2M100MG2514PV	D2,5	G1/4"	PVDF
2M100MG2518PV	D2,5	G1/8"	PVDF
2M100MG2618PV	D2,6	G1/8"	PVDF
2M100MG2814PT	D2,8	G1/4"	PTFE
2M100MG2814PV	D2,8	G1/4"	PVDF
2M100MG2818PV	D2,8	G1/8"	PVDF
2M100MG3014PF	D3,0	G1/4"	PFA
2M100MG3014PP	D3,0	G1/4"	PP
2M100MG3014PT	D3,0	G1/4"	PTFE
2M100MG3014PV	D3,0	G1/4"	PVDF
2M100MG3014PVFP	D3,0	G1/4"	PVDF/FPM
2M100MG3018PF	D3,0	G1/8"	PFA
2M100MG3018PP	D3,0	G1/8"	PP
2M100MG3018PPFP	D3,0	G1/8"	PP/FPM
2M100MG3018PT	D3,0	G1/8"	PTFE
2M100MG3018PV	D3,0	G1/8"	PVDF
2M100MG3018PVFP	D3,0	G1/8"	PVDF/FPM
2M100MG3114PV	D3,1	G1/4"	PVDF
2M100MG3214PF	D3,2	G1/4"	PFA
2M100MG3214PFFK	D3,2	G1/4"	PFA/FFKM
2M100MG3214PP	D3,2	G1/4"	PP
2M100MG3214PT	D3,2	G1/4"	PTFE
2M100MG3214PV	D3,2	G1/4"	PVDF
2M100MG3238PV	D3,2	G3/8"	PVDF
2M100MG3318PF	D3,3	G1/8"	PFA
2M100MG3512PV	D3,5	G1/2"	PVDF
2M100MG3514PV	D3,5	G1/4"	PVDF
2M100MG3518PT	D3,5	G1/8"	PTFE
2M100MG3518PV	D3,5	G1/8"	PVDF
2M100MG3818PV	D3,8	G1/8"	PVDF

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Straight connector for pipe (Series 2M) with male G-thread

2

Article-Nr	Connection A	Connection B	Material
2M100MG4014PF	D4,0	G1/4"	PFA
2M100MG4014PP	D4,0	G1/4"	PP
2M100MG4014PT	D4,0	G1/4"	PTFE
2M100MG4014PTFK	D4,0	G1/4"	PTFE/FFKM
2M100MG4014PV	D4,0	G1/4"	PVDF
2M100MG4018PF	D4,0	G1/8"	PFA
2M100MG4018PT	D4,0	G1/8"	PTFE
2M100MG4018PV	D4,0	G1/8"	PVDF
2M100MG4114PT	D4,1	G1/4"	PTFE
2M100MG4214PP	D4,2	G1/4"	PP
2M100MG4214PV	D4,2	G1/4"	PVDF
2M100MG4218PV	D4,2	G1/8"	PVDF
2M100MG4314PV	D4,3	G1/4"	PVDF
2M100MG4318PV	D4,3	G1/8"	PVDF
2M100MG4514PV	D4,5	G1/4"	PVDF
2M100MG4518PV	D4,5	G1/8"	PVDF
2M100MG4814PT	D4,8	G1/4"	PTFE
2M100MG4814PV	D4,8	G1/4"	PVDF
2M100MG4818PV	D4,8	G1/8"	PVDF
2M100MG5014PT	D5,0	G1/4"	PTFE
2M100MG5014PV	D5,0	G1/4"	PVDF
2M100MG5018PF	D5,0	G1/8"	PFA
2M100MG5018PP	D5,0	G1/8"	PP
2M100MG5018PT	D5,0	G1/8"	PTFE
2M100MG5018PV	D5,0	G1/8"	PVDF
2M100MG6014PF	D6,0	G1/4"	PFA
2M100MG6014PT	D6,0	G1/4"	PTFE
2M100MG6014PV	D6,0	G1/4"	PVDF
2M100MG6018PT	D6,0	G1/8"	PTFE
2M100MG6018PV	D6,0	G1/8"	PVDF
2M100MG6414PF	D6,4	G1/4"	PFA
2M100MG6414PT	D6,4	G1/4"	PTFE
2M100MG6414PV	D6,4	G1/4"	PVDF
2M100MG6418PF	D6,4	G1/8"	PFA
2M100MG6418PT	D6,4	G1/8"	PTFE
2M100MG6418PV	D6,4	G1/8"	PVDF

Dimensions 2M100MG. ..., 2T100MG. ...

A(D)	B(G)	l2	~L3	SW3
0,7-1	1/8"	8	25	14
0,7-1	1/4"	12	26	17
1,1-2	1/8"	8	25	14
1,1-2	1/4"	12	26	17
2,1-4	1/8"	8	25	14
2,1-4	1/4"	12	26	17
4,1-6,4	1/8"	8	25	14
4,1-6,4	1/4"	12	26	17

Straight connector for pipe (Series 2M) with male M-thread

2



Article-Nr	Connection A	Connection B	Material
2M100MM1605PT	D1,6	M5	PTFE
2M100MM1608PV	D1,6	M8	PVDF
2M100MM1611PV	D1,6	M10x1	PVDF
2M100MM2506PV	D2,5	M6	PVDF
2M100MM3005PP	D3,0	M5	PP
2M100MM3006PV	D3,0	M6	PVDF
2M100MM3011PT	D3,0	M10x1	PTFE
2M100MM3011PV	D3,0	M10x1	PVDF
2M100MM3206PV	D3,2	M6	PVDF
2M100MM3211PV	D3,2	M10x1	PVDF
2M100MM3506PV	D3,5	M6	PVDF
2M100MM4005PV	D4,0	M5	PVDF
2M100MM4006PV	D4,0	M6	PVDF
2M100MM5005PP	D5,0	M5	PP
2M100MM6005PP	D6,0	M5	PP
2M100MM6011PP	D6,0	M10x1	PP

Dimensions 2M100MM . . . , 2T100MM . . .

A(D)	B(M)	l2	~L3	SW3
0,7-1	10x1	8	25	14
1,1-2	10x1	8	25	14
2,1-4	10x1	8	25	14
4,1-6,4	10x1	8	25	14

Straight connector for pipe (Series 2M) with male NPT-thread

2



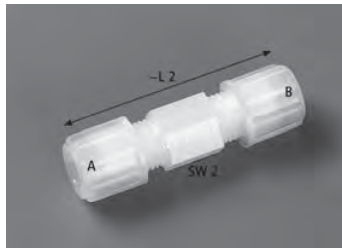
Article-Nr	Connection A	Connection B	Material
2M100MN1014PV	D1,0	NPT1/4"	PVDF
2M100MN1018PT	D1,0	NPT1/8"	PTFE
2M100MN1018PV	D1,0	NPT1/8"	PVDF
2M100MN1514PV	D1,5	NPT1/4"	PVDF
2M100MN1518PV	D1,5	NPT1/8"	PVDF
2M100MN1614PT	D1,6	NPT1/4"	PTFE
2M100MN1614PV	D1,6	NPT1/4"	PVDF
2M100MN1618PT	D1,6	NPT1/8"	PTFE
2M100MN1618PV	D1,6	NPT1/8"	PVDF
2M100MN1714PF	D1,7	NPT1/4"	PFA
2M100MN1818PV	D1,8	NPT1/8"	PVDF
2M100MN2014PF	D2,0	NPT1/4"	PFA
2M100MN2014PT	D2,0	NPT1/4"	PTFE
2M100MN2014PV	D2,0	NPT1/4"	PVDF
2M100MN2018PT	D2,0	NPT1/8"	PTFE
2M100MN2018PV	D2,0	NPT1/8"	PVDF
2M100MN3014PF	D3,0	NPT1/4"	PFA
2M100MN3014PKFK	D3,0	NPT1/4"	PEEK/FFKM
2M100MN3014PT	D3,0	NPT1/4"	PTFE
2M100MN3014PV	D3,0	NPT1/4"	PVDF
2M100MN3018PF	D3,0	NPT1/8"	PFA
2M100MN3018PKFK	D3,0	NPT1/8"	PEEK/FFKM
2M100MN3018PP	D3,0	NPT1/8"	PP
2M100MN3018PT	D3,0	NPT1/8"	PTFE
2M100MN3018PV	D3,0	NPT1/8"	PVDF
2M100MN3214PP	D3,2	NPT1/4"	PP
2M100MN3214PT	D3,2	NPT1/4"	PTFE
2M100MN3214PV	D3,2	NPT1/4"	PVDF
2M100MN3218PP	D3,2	NPT1/8"	PP
2M100MN3218PT	D3,2	NPT1/8"	PTFE
2M100MN3218PV	D3,2	NPT1/8"	PVDF
2M100MN4014PT	D4,0	NPT1/4"	PTFE
2M100MN4014PV	D4,0	NPT1/4"	PVDF
2M100MN4018PT	D4,0	NPT1/8"	PTFE
2M100MN4018PV	D4,0	NPT1/8"	PVDF
2M100MN4814PV	D4,8	NPT1/4"	PVDF
2M100MN4818PV	D4,8	NPT1/8"	PVDF
2M100MN6014PT	D6,0	NPT1/4"	PTFE
2M100MN6014PV	D6,0	NPT1/4"	PVDF
2M100MN6018PT	D6,0	NPT1/8"	PTFE
2M100MN6018PV	D6,0	NPT1/8"	PVDF
2M100MN6414PT	D6,4	NPT1/4"	PTFE
2M100MN6418PT	D6,4	NPT1/8"	PTFE
2M100MN6418PV	D6,4	NPT1/8"	PVDF

Dimensions 2M100MN... , 2T100MN...

A(D)	B(NPT)	l3	~L4	SW4
0,7-1	1/8"	10	23	12
0,7-1	1/4"	15	24	17
1,1-2	1/8"	10	23	12
1,1-2	1/4"	15	24	17
2,1-4	1/8"	10	23	12
2,1-4	1/4"	15	24	17
4,1-6,4	1/8"	10	23	12
4,1-6,4	1/4"	15	24	17

Straight union for pipe on both ends (Series 2M)

2



Article-Nr	Connection A	Connection B	Material
2M100P1510PT	D1,5	D1,0	PTFE
2M100P15PT	D1,5	D1,5	PTFE
2M100P15PV	D1,5	D1,5	PVDF
2M100P16PT	D1,6	D1,6	PTFE
2M100P16PV	D1,6	D1,6	PVDF
2M100P18PV	D1,8	D1,8	PVDF
2M100P2015PT	D2,0	D1,5	PTFE
2M100P2016PF	D2,0	D1,6	PFA
2M100P2016PT	D2,0	D1,6	PTFE
2M100P2016PV	D2,0	D1,6	PVDF
2M100P20PF	D2,0	D2,0	PFA
2M100P20PT	D2,0	D2,0	PTFE
2M100P20PV	D2,0	D2,0	PVDF
2M100P2115PT	D2,1	D1,5	PTFE
2M100P21PT	D2,1	D2,1	PTFE
2M100P21PV	D2,1	D2,1	PVDF
2M100P22PT	D2,2	D2,2	PTFE
2M100P2315PT	D2,3	D1,5	PTFE
2M100P23PV	D2,3	D2,3	PVDF
2M100P2518PT	D2,5	D1,8	PTFE
2M100P2925PV	D2,9	D2,5	PVDF
2M100P29PV	D2,9	D2,9	PVDF
2M100P3010PV	D3,0	D1,0	PVDF
2M100P3011PV	D3,0	D1,1	PVDF
2M100P3015PF	D3,0	D1,5	PFA
2M100P3015PT	D3,0	D1,5	PTFE
2M100P3016PF	D3,0	D1,6	PFA
2M100P3016PT	D3,0	D1,6	PTFE
2M100P3016PV	D3,0	D1,6	PVDF
2M100P3020PF	D3,0	D2,0	PFA
2M100P3020PT	D3,0	D2,0	PTFE
2M100P30PF	D3,0	D3,0	PFA
2M100P30PP	D3,0	D3,0	PP
2M100P30PT	D3,0	D3,0	PTFE
2M100P30PV	D3,0	D3,0	PVDF
2M100P3215PT	D3,2	D1,5	PTFE
2M100P3216PF	D3,2	D1,6	PFA
2M100P3216PT	D3,2	D1,6	PTFE
2M100P3216PV	D3,2	D1,6	PVDF
2M100P3218PF	D3,2	D1,8	PFA
2M100P3218PT	D3,2	D1,8	PTFE
2M100P3220PF	D3,2	D2,0	PFA
2M100P3221PV	D3,2	D2,1	PVDF
2M100P3223PV	D3,2	D2,3	PVDF
2M100P3280PT	D3,2	D8,0	PTFE
2M100P32PF	D3,2	D3,2	PFA
2M100P32PP	D3,2	D3,2	PP
2M100P32PT	D3,2	D3,2	PTFE
2M100P32PV	D3,2	D3,2	PVDF
2M100P3328PF	D3,3	D2,8	PFA
2M100P35PT	D3,5	D3,5	PTFE
2M100P3622PV	D3,6	D2,2	PVDF
2M100P3629PV	D3,6	D2,9	PVDF
2M100P3732PP	D3,7	D3,2	PP
2M100P4016PF	D4,0	D1,6	PFA
2M100P4016PV	D4,0	D1,6	PVDF
2M100P4020PF	D4,0	D2,0	PFA
2M100P4020PV	D4,0	D2,0	PVDF
2M100P4021PV	D4,0	D2,1	PVDF
2M100P4028PV	D4,0	D2,8	PVDF
2M100P4030PP	D4,0	D3,0	PP
2M100P4030PV	D4,0	D3,0	PVDF

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Article-Nr	Connection A	Connection B	Material
2M100P4032PF	D4,0	D3,2	PFA
2M100P4039PT	D4,0	D3,9	PTFE
2M100P40PP	D4,0	D4,0	PP
2M100P40PT	D4,0	D4,0	PTFE
2M100P40PV	D4,0	D4,0	PVDF
2M100P4129PV	D4,1	D2,9	PVDF
2M100P4227PP	D4,2	D2,7	PP
2M100P45PT	D4,5	D4,5	PTFE
2M100P48PV	D4,8	D4,8	PVDF
2M100P5010PV	D5,0	D1,0	PVDF
2M100P5015PT	D5,0	D1,5	PTFE
2M100P5015PV	D5,0	D1,5	PVDF
2M100P5016PT	D5,0	D1,6	PTFE
2M100P5020PT	D5,0	D2,0	PTFE
2M100P5020PV	D5,0	D2,0	PVDF
2M100P5030PP	D5,0	D3,0	PP
2M100P5030PT	D5,0	D3,0	PTFE
2M100P5030PV	D5,0	D3,0	PVDF
2M100P5040PT	D5,0	D4,0	PTFE
2M100P5040PV	D5,0	D4,0	PVDF
2M100P50PP	D5,0	D5,0	PP
2M100P50PV	D5,0	D5,0	PVDF
2M100P5540PV	D5,5	D4,0	PVDF
2M100P6008PV	D6,0	D0,8	PVDF
2M100P6010PV	D6,0	D1,0	PVDF
2M100P6013PV	D6,0	D1,3	PVDF
2M100P6015PT	D6,0	D1,5	PTFE
2M100P6015PV	D6,0	D1,5	PVDF
2M100P6016PT	D6,0	D1,6	PTFE
2M100P6016PV	D6,0	D1,6	PVDF
2M100P6019PV	D6,0	D1,9	PVDF
2M100P6020PT	D6,0	D2,0	PTFE
2M100P6030PF	D6,0	D3,0	PFA
2M100P6030PFEP	D6,0	D3,0	PFA/EPDM
2M100P6030PP	D6,0	D3,0	PP
2M100P6030PT	D6,0	D3,0	PTFE
2M100P6030PV	D6,0	D3,0	PVDF
2M100P6030PVFK	D6,0	D3,0	PVDF/FFKM
2M100P6032PT	D6,0	D3,2	PTFE
2M100P6032PV	D6,0	D3,2	PVDF
2M100P6040PF	D6,0	D4,0	PFA
2M100P6040PP	D6,0	D4,0	PP
2M100P6040PV	D6,0	D4,0	PVDF
2M100P6047PF	D6,0	D4,7	PFA
2M100P6048PV	D6,0	D4,8	PVDF
2M100P6050PV	D6,0	D5,0	PVDF
2M100P6055PV	D6,0	D5,5	PVDF
2M100P60PF	D6,0	D6,0	PFA
2M100P60PP	D6,0	D6,0	PP
2M100P60PT	D6,0	D6,0	PTFE
2M100P60PV	D6,0	D6,0	PVDF
2M100P6416PT	D6,4	D1,6	PTFE
2M100P6416PV	D6,4	D1,6	PVDF
2M100P6420PF	D6,4	D2,0	PFA
2M100P6430PT	D6,4	D3,0	PTFE
2M100P6440PF	D6,4	D4,0	PFA
2M100P6444PF	D6,4	D4,4	PFA
2M100P64PT	D6,4	D6,4	PTFE

Dimensions 2M100P... , 2T100P...

A(D)	B(D)	~L2	SW2
.....continued on the next page			

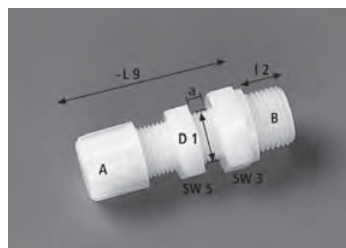
Straight union for pipe on both ends (Series 2M)

2

A(D)	B(D)	~L2	SW2
0,7-1	0,7-1	55	14
1,1-2	1,1-2	52	14
2,1-4	2,1-4	47	14
4,1-6,4	4,1-6,4	41	14

Straight bulkhead connector for pipe (Series 2M) with male G-thread

2



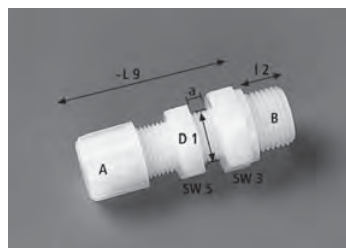
Article-Nr	Connection A	Connection B	Material
2M101MG1714PV	D1,7	G1/4"	PVDF
2M101MG2418PV	D2,4	G1/8"	PVDF
2M101MG3014PP	D3,0	G1/4"	PP
2M101MG3014PV	D3,0	G1/4"	PVDF
2M101MG3018PV	D3,0	G1/8"	PVDF
2M101MG3018PVFP	D3,0	G1/8"	PVDF/FPM
2M101MG3218PT	D3,2	G1/8"	PTFE
2M101MG4018PV	D4,0	G1/8"	PVDF

Dimensions 2M101MG. . . , 2T101MG. . .

A(D)	B(G)	l2	~L9	SW3	SW5	ØD1	a
0,7-1	1/8"	8	38	14	14	10.5	9
0,7-1	1/4"	12	40	17	14	10.5	9
1,1-2	1/8"	8	38	14	14	10.5	9
1,1-2	1/4"	12	40	17	14	10.5	9
2,1-4	1/8"	8	38	14	14	10.5	9
2,1-4	1/4"	12	40	17	14	10.5	9
4,1-6,4	1/8"	8	38	14	14	10.5	9
4,1-6,4	1/4"	12	40	17	14	10.5	9

Straight bulkhead connector for pipe (Series 2M) with male M-thread

2



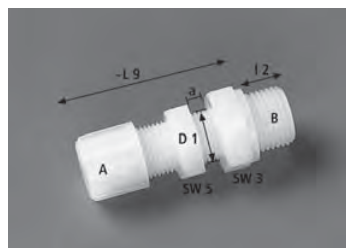
Article-Nr	Connection A	Connection B	Material
2M101MM2214PT	D2,2	M12x1	PTFE
2M101MM3514PT	D3,5	M12x1	PTFE
2M101MM6011PP	D6,0	M10x1	PP

Dimensions 2M101MM . . . , 2T101MM . . .

A(D)	B(M)	l2	~L9	SW3	SW5	ØD1	a
0,7-1	10x1	8	38	14	14	10.5	9
1,1-2	10x1	8	38	14	14	10.5	9
2,1-4	10x1	8	38	14	14	10.5	9
4,1-6,4	10x1	8	38	14	14	10.5	9

Straight bulkhead connector for pipe (Series 2M) with male NPT-thread

2



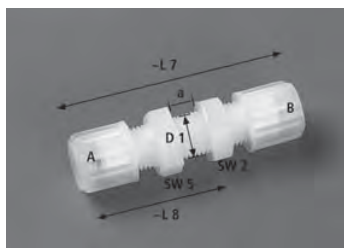
Article-Nr	Connection A	Connection B	Material
2M101MN6014PV	D6,0	NPT1/4"	PVDF
2M101MN6018PV	D6,0	NPT1/8"	PVDF

Dimensions 2M101MN. . . , 2T101MN. . .

A(D)	B(NPT)	l3	~L10	SW4	SW5	ØD1	a
0,7-1	1/8"	11.6	38	12	14	10.5	9
0,7-1	1/4"	16.4	40	17	14	10.5	9
1,1-2	1/8"	11.6	38	12	14	10.5	9
1,1-2	1/4"	16.4	40	17	14	10.5	9
2,1-4	1/8"	11.6	38	12	14	10.5	9
2,1-4	1/4"	16.4	40	17	14	10.5	9
4,1-6,4	1/8"	11.6	38	12	14	10.5	9
4,1-6,4	1/4"	16.4	40	17	14	10.5	9

Straight bulkhead union for pipe on both ends (Series 2M)

2



Article-Nr	Connection A	Connection B	Material
2M101P15PV	D1,5	D1,5	PVDF
2M101P1660PF	D1,6	D6,0	PFA
2M101P16PF	D1,6	D1,6	PFA
2M101P16PT	D1,6	D1,6	PTFE
2M101P16PV	D1,6	D1,6	PVDF
2M101P19PV	D1,9	D1,9	PVDF
2M101P2030PF	D2,0	D3,0	PFA
2M101P2030PT	D2,0	D3,0	PTFE
2M101P2032PT	D2,0	D3,2	PTFE
2M101P2060PF	D2,0	D6,0	PFA
2M101P20PT	D2,0	D2,0	PTFE
2M101P20PV	D2,0	D2,0	PVDF
2M101P2924PV	D2,9	D2,4	PVDF
2M101P3020PP	D3,0	D2,0	PP
2M101P3020PT	D3,0	D2,0	PTFE
2M101P3020PV	D3,0	D2,0	PVDF
2M101P3022PV	D3,0	D2,2	PVDF
2M101P3027PV	D3,0	D2,7	PVDF
2M101P3060PF	D3,0	D6,0	PFA
2M101P3060PV	D3,0	D6,0	PVDF
2M101P30PF	D3,0	D3,0	PFA
2M101P30PT	D3,0	D3,0	PTFE
2M101P30PV	D3,0	D3,0	PVDF
2M101P3216PT	D3,2	D1,6	PTFE
2M101P3216PV	D3,2	D1,6	PVDF
2M101P3240PF	D3,2	D4,0	PFA
2M101P32PF	D3,2	D3,2	PFA
2M101P32PT	D3,2	D3,2	PTFE
2M101P32PV	D3,2	D3,2	PVDF
2M101P34PP	D3,4	D3,4	PP
2M101P4020PF	D4,0	D2,0	PFA
2M101P4020PV	D4,0	D2,0	PVDF
2M101P4060PV	D4,0	D6,0	PVDF
2M101P40PV	D4,0	D4,0	PVDF
2M101P41PP	D4,1	D4,1	PP
2M101P4264PT	D4,2	D6,4	PTFE
2M101P4830PV	D4,8	D3,0	PVDF
2M101P6020PT	D6,0	D2,0	PTFE
2M101P6030PF	D6,0	D3,0	PFA
2M101P6030PT	D6,0	D3,0	PTFE
2M101P6030PV	D6,0	D3,0	PVDF
2M101P60PP	D6,0	D6,0	PP
2M101P60PT	D6,0	D6,0	PTFE
2M101P60PV	D6,0	D6,0	PVDF
2M101P64PT	D6,4	D6,4	PTFE

Dimensions 2M101P ... , 2T101P ...

A(D)	B(D)	~L7	~L8	SW2	SW5	ØD1	a
0,7-1	0,7-1	52	29	14	14	10.5	9
1,1-2	1,1-2	52	29	14	14	10.5	9
2,1-4	2,1-4	52	29	14	14	10.5	9
4,1-6,4	4,1-6,4	52	29	14	14	10.5	9

Elbow connector for pipe (Series 2M) with male G-thread

2



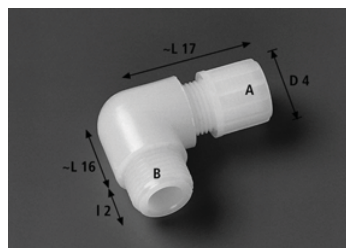
Article-Nr	Connection A	Connection B	Material
2M200MG0318PV	D1/8"	G1/8"	PVDF
2M200MG0918PV	D0,9	G1/8"	PVDF
2M200MG1514PV	D1,5	G1/4"	PVDF
2M200MG1518PV	D1,5	G1/8"	PVDF
2M200MG1618PP	D1,6	G1/8"	PP
2M200MG3014PF	D3,0	G1/4"	PFA
2M200MG3014PT	D3,0	G1/4"	PTFE
2M200MG3014PV	D3,0	G1/4"	PVDF
2M200MG3014PVFP	D3,0	G1/4"	PVDF/FPM
2M200MG3018PP	D3,0	G1/8"	PP
2M200MG3018PV	D3,0	G1/8"	PVDF
2M200MG3214PF	D3,2	G1/4"	PFA
2M200MG3214PV	D3,2	G1/4"	PVDF
2M200MG3218PF	D3,2	G1/8"	PFA
2M200MG3218PT	D3,2	G1/8"	PTFE
2M200MG3218PV	D3,2	G1/8"	PVDF
2M200MG3414PP	D3,4	G1/4"	PP
2M200MG3518PV	D3,5	G1/8"	PVDF
2M200MG4014PV	D4,0	G1/4"	PVDF
2M200MG4018PT	D4,0	G1/8"	PTFE
2M200MG4018PV	D4,0	G1/8"	PVDF
2M200MG4314PV	D4,3	G1/4"	PVDF
2M200MG5014PV	D5,0	G1/4"	PVDF
2M200MG5018PV	D5,0	G1/8"	PVDF
2M200MG6014PP	D6,0	G1/4"	PP
2M200MG6014PV	D6,0	G1/4"	PVDF
2M200MG6018PT	D6,0	G1/8"	PTFE
2M200MG6018PV	D6,0	G1/8"	PVDF
2M200MG6414PV	D6,4	G1/4"	PVDF

Dimensions 2M200MG . . . , 2T200MG . . .

A(D)	B(G)	I2	~L16	~L17	ØD4
0,7-1	1/8"	8	12	28	13
0,7-1	1/4"	12	13	30	15
1,1-2	1/8"	8	12	28	13
1,1-2	1/4"	12	13	30	15
2,1-4	1/8"	8	12	28	13
2,1-4	1/4"	12	13	30	15
4,1-6,4	1/8"	8	12	28	13
4,1-6,4	1/4"	12	13	30	15

Elbow connector for pipe (Series 2M) with male NPT-thread

2



Article-Nr	Connection A	Connection B	Material
2M200MN2014PF	D2,0	NPT1/4"	PFA
2M200MN3014PF	D3,0	NPT1/4"	PFA
2M200MN3014PT	D3,0	NPT1/4"	PTFE
2M200MN3014PV	D3,0	NPT1/4"	PVDF
2M200MN3018PT	D3,0	NPT1/8"	PTFE
2M200MN3018PV	D3,0	NPT1/8"	PVDF
2M200MN3214PV	D3,2	NPT1/4"	PVDF
2M200MN3218PT	D3,2	NPT1/8"	PTFE
2M200MN4014PV	D4,0	NPT1/4"	PVDF
2M200MN4018PV	D4,0	NPT1/8"	PVDF
2M200MN6014PT	D6,0	NPT1/4"	PTFE
2M200MN6014PV	D6,0	NPT1/4"	PVDF
2M200MN6018PV	D6,0	NPT1/8"	PVDF
2M200MN6018PVEP	D6,0	NPT1/8"	PVDF/EPDM

Dimensions 2M200MN. . . , 2T200MN. . .

A(D)	B(NPT)	I3	~L16	~L17	ØD4
0,7-1	1/8"	10	12	28	12
0,7-1	1/4"	15	13	30	15
1,1-2	1/8"	10	12	28	12
1,1-2	1/4"	15	13	30	15
2,1-4	1/8"	10	12	28	12
2,1-4	1/4"	15	13	30	15
4,1-6,4	1/8"	10	12	28	12
4,1-6,4	1/4"	15	13	30	15

Elbow union for pipe on both ends (Series 2M)

2



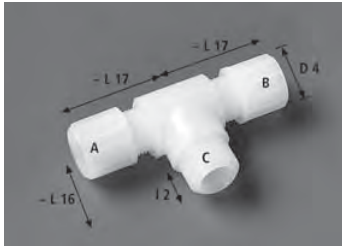
Article-Nr	Connection A	Connection B	Material
2M200P15PT	D1,5	D1,5	PTFE
2M200P3216PT	D3,2	D1,6	PTFE
2M200P32PV	D3,2	D3,2	PVDF
2M200P4216PV	D4,2	D1,6	PVDF
2M200P6030PT	D6,0	D3,0	PTFE
2M200P6040PV	D6,0	D4,0	PVDF
2M200P60PF	D6,0	D6,0	PFA
2M200P60PV	D6,0	D6,0	PVDF
2M200P6140PV	D6,1	D4,0	PVDF
2M200P6416PT	D6,4	D1,6	PTFE

Dimensions 2M200P . . . , 2T200P . . .

A(D)	B(D)	~L14	ØD3
0,7-1	0,7-1	28	12
1,1-2	1,1-2	28	12
2,1-4	2,1-4	28	12
4,1-6,4	4,1-6,4	28	12

T-connector for pipe (Series 2M) with male G-thread

2



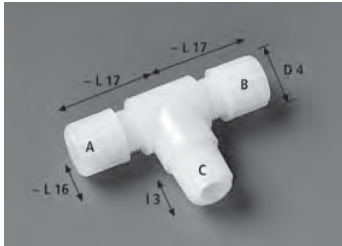
Article-Nr	Connection A	Connection B	Connection C	Material
2M300MG2014PV	D2,0	D2,0	G1/4"	PVDF
2M300MG2018PT	D2,0	D2,0	G1/8"	PTFE
2M300MG3018PT	D3,0	D3,0	G1/8"	PTFE
2M300MG3018PV	D3,0	D3,0	G1/8"	PVDF
2M300MG3212PT	D3,2	D3,2	G1/2"	PTFE
2M300MG3214PV	D3,2	D3,2	G1/4"	PVDF
2M300MG3218PT	D3,2	D3,2	G1/8"	PTFE
2M300MG4018PT	D4,0	D4,0	G1/8"	PTFE
2M300MG402418PV	D4,0	D2,4	G1/8"	PVDF
2M300MG5018PV	D5,0D5,0	G1/8"		PVDF
2M300MG6014PV	D6,0	D6,0	G1/4"	PVDF
2M300MG6414PV	D6,4	D6,4	G1/4"	PVDF

Dimensions 2M300MG. . . , 2T300MG. . .

A(D)	B(D)	C(G)	l2	~L16	~L17	ØD4
0,7-1	0,7-1	1/8"	8	12	28	13
0,7-1	0,7-1	1/4"	12	13	30	15
1,1-2	1,1-2	1/8"	8	12	28	13
1,1-2	1,1-2	1/4"	12	13	30	15
2,1-4	2,1-4	1/8"	8	12	28	13
2,1-4	2,1-4	1/4"	12	13	30	15
4,1-6,4	4,1-6,4	1/8"	8	12	28	13
4,1-6,4	4,1-6,4	1/4"	12	13	30	15

T-connector for pipe (Series 2M) with male NPT-thread

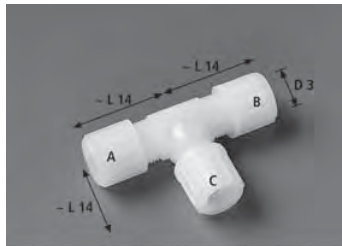
2



Article-Nr	Connection A	Connection B	Connection C	Material
2M300MN3014PV	D3,0	D3,0	NPT1/4"	PVDF
2M300MN6414PV	D6,4	D6,4	NPT1/4"	PVDF

Dimensions 2M300MN. . . , 2T300MN. . .

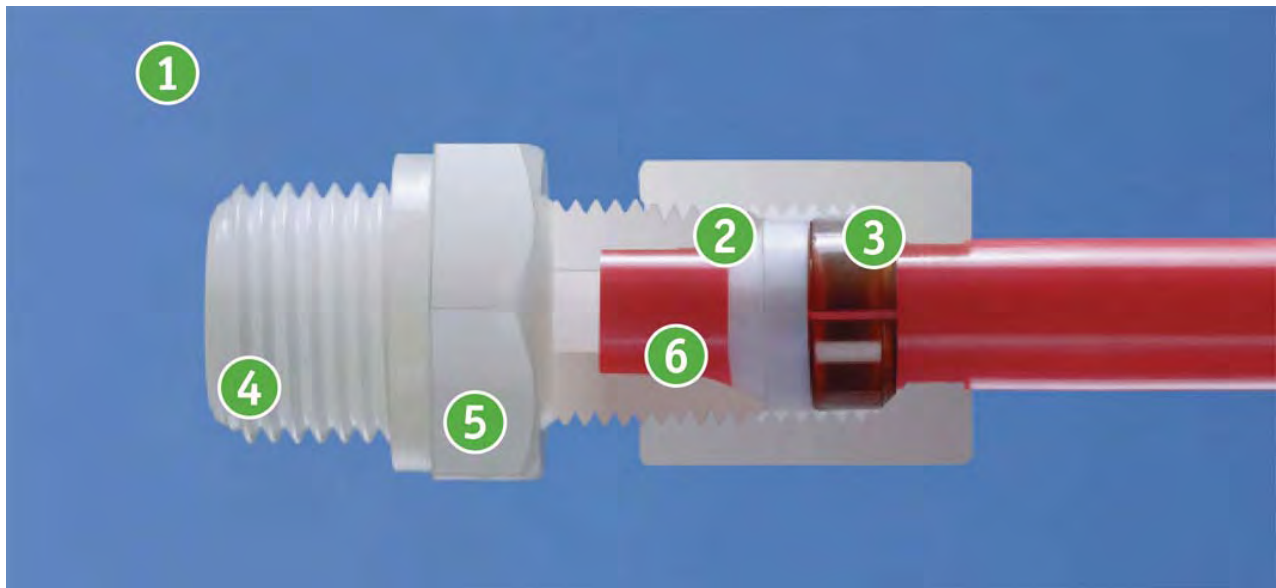
A(D)	B(D)	C(NPT)	l3	~L16	~L17	ØD4
0,7-1	0,7-1	1/8"	10	12	28	12
0,7-1	0,7-1	1/4"	15	13	30	15
1,1-2	1,1-2	1/8"	10	12	28	12
1,1-2	1,1-2	1/4"	15	13	30	15
2,1-4	2,1-4	1/8"	10	12	28	12
2,1-4	2,1-4	1/4"	15	13	30	15
4,1-6,4	4,1-6,4	1/8"	10	12	28	12
4,1-6,4	4,1-6,4	1/4"	15	13	30	15



Article-Nr	Connection A	Connection B	Connection C	Material
2M300P07PV	D0,7	D0,7	D0,7	PVDF
2M300P101015PF	D1,0	D1,0	D1,5	PFA
2M300P10PT	D1,0	D1,0	D1,0	PTFE
2M300P15PV	D1,5	D1,5	D1,5	PVDF
2M300P161648PV	D1,6	D1,6	D4,8	PVDF
2M300P16PT	D1,6	D1,6	D1,6	PTFE
2M300P18PV	D1,8	D1,8	D1,8	PVDF
2M300P202015PV	D2,0	D2,0	D1,5	PVDF
2M300P202030PT	D2,0	D2,0	D3,0	PTFE
2M300P202030PV	D2,0	D2,0	D3,0	PVDF
2M300P20PF	D2,0	D2,0	D2,0	PFA
2M300P20PV	D2,0	D2,0	D2,0	PVDF
2M300P212141PV	D2,1	D2,1	D4,1	PVDF
2M300P28PT	D2,8	D2,8	D2,8	PTFE
2M300P301630PV	D3,0	D1,6	D3,0	PVDF
2M300P302030PT	D3,0	D2,0	D3,0	PTFE
2M300P303040PT	D3,0	D3,0	D4,0	PTFE
2M300P303060PT	D3,0	D3,0	D6,0	PTFE
2M300P303060PV	D3,0	D3,0	D6,0	PVDF
2M300P30PP	D3,0	D3,0	D3,0	PP
2M300P30PT	D3,0	D3,0	D3,0	PTFE
2M300P30PV	D3,0	D3,0	D3,0	PVDF
2M300P32PT	D3,2	D3,2	D3,2	PTFE
2M300P32PV	D3,2	D3,2	D3,2	PVDF
2M300P34PP	D3,4	D3,4	D3,4	PP
2M300P403040PT	D4,0	D3,0	D4,0	PTFE
2M300P404016PV	D4,0	D4,0	D1,6	PVDF
2M300P404060PV	D4,0	D4,0	D6,0	PVDF
2M300P40PT	D4,0	D4,0	D4,0	PTFE
2M300P40PV	D4,0	D4,0	D4,0	PVDF
2M300P48PT	D4,8	D4,8	D4,8	PTFE
2M300P505015PV	D5,0	D5,0	D1,5	PVDF
2M300P505030PV	D5,0	D5,0	D3,0	PVDF
2M300P50PT	D5,0	D5,0	D5,0	PTFE
2M300P603016PT	D6,0	D6,0	D1,6	PTFE
2M300P603016PV	D6,0	D6,0	D1,6	PVDF
2M300P603030PV	D6,0	D3,0	D3,0	PVDF
2M300P603060PV	D6,0	D3,0	D6,0	PVDF
2M300P606010PT	D6,0	D6,0	D1,0	PTFE
2M300P606030PF	D6,0	D6,0	D3,0	PFA
2M300P606030PV	D6,0	D6,0	D3,0	PVDF
2M300P60PP	D6,0	D6,0	D6,0	PP
2M300P60PT	D6,0	D6,0	D6,0	PTFE
2M300P60PV	D6,0	D6,0	D6,0	PVDF
2M300P644064PF	D6,4	D4,0	D6,4	PFA
2M300P646064PF	D6,4	D6,0	D6,4	PFA
2M300P64PF	D6,4	D6,4	D6,4	PFA
2M300P64PV	D6,4	D6,4	D6,4	PVDF

Dimensions 2M300P . . . , 2T300P . . .

A(D)	B(D)	C(D)	~L14	ØD3
0,7-1	0,7-1	0,7-1	28	12
1,1-2	1,1-2	1,1-2	28	12
2,1-4	2,1-4	2,1-4	28	12
4,1-6,4	4,1-6,4	4,1-6,4	28	12

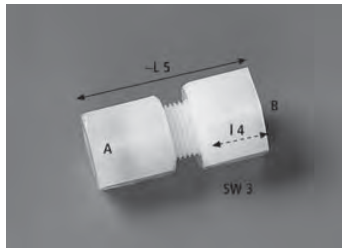


- 1) Connector available in PP, PVDF, PFA, PTFE ⇒ High media resistance
- 2) Sealed by PTFE sealing ring ⇒ Maximum media resistance
- 3) Secure connection by cutting ring principle ⇒ Suitable for rigid pipes
- 4) Thread manufactured without seam according to DIN, USAS or JIS ⇒ Various connection options
- 5) Hexagon manufactured according to DIN
- 6) No reduction of cross-section ⇒ Full flow rate

The connection principle used in the Series 2N from EM-TECHNIK entails pushing the pipe against the inner edge of the connector and sealing it with a sealing ring. The pipe is secured in place by a cutting ring, which is forced against the pipe by a nut. The more the nut is screwed on the connector body, the more the slotted ring wedges the pipe. The result is a tight, friction-locked connection which can be released at any time. The design concept eliminates the dead volume. It also has no effect on the flow because the inside diameter is identical to that of the pipe.

Straight connector for pipe (Series 2N) with female G-thread

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Article-Nr	Connection A	Connection B	Material
2N100FG0314PF	D1/8"	G1/4"	PFA
2N100FG0314PT	D1/8"	G1/4"	PTFE
2N100FG0314PV	D1/8"	G1/4"	PVDF
2N100FG0318PT	D1/8"	G1/8"	PTFE
2N100FG0318PV	D1/8"	G1/8"	PVDF
2N100FG0338PT	D1/8"	G3/8"	PTFE
2N100FG0338PV	D1/8"	G3/8"	PVDF
2N100FG0512PP	D1/4"	G1/2"	PP
2N100FG0512PT	D1/4"	G1/2"	PTFE
2N100FG0512PV	D1/4"	G1/2"	PVDF
2N100FG0514PF	D1/4"	G1/4"	PFA
2N100FG0514PT	D1/4"	G1/4"	PTFE
2N100FG0514PV	D1/4"	G1/4"	PVDF
2N100FG0518PV	D1/4"	G1/8"	PVDF
2N100FG0538PP	D1/4"	G3/8"	PP
2N100FG0538PV	D1/4"	G3/8"	PVDF
2N100FG1114PT	D3/8"	G1/4"	PTFE
2N100FG1114PV	D3/8"	G1/4"	PVDF
2N100FG1118PP	D3/8"	G1/8"	PP
2N100FG1138PF	D3/8"	G3/8"	PFA
2N100FG1138PP	D3/8"	G3/8"	PP
2N100FG1512PP	D1/2"	G1/2"	PP
2N100FG1512PT	D1/2"	G1/2"	PTFE
2N100FG1514PP	D1/2"	G1/4"	PP
2N100FG1514PT	D1/2"	G1/4"	PTFE
2N100FG1514PV	D1/2"	G1/4"	PVDF
2N100FG1518PV	D1/2"	G1/8"	PVDF
2N100FG3812PP	D04	G1/2"	PP
2N100FG3812PT	D04	G1/2"	PTFE
2N100FG3812PV	D04	G1/2"	PVDF
2N100FG3814PF	D04	G1/4"	PFA
2N100FG3814PP	D04	G1/4"	PP
2N100FG3814PT	D04	G1/4"	PTFE
2N100FG3814PV	D04	G1/4"	PVDF
2N100FG3818PF	D04	G1/8"	PFA
2N100FG3818PP	D04	G1/8"	PP
2N100FG3818PT	D04	G1/8"	PTFE
2N100FG3818PV	D04	G1/8"	PVDF
2N100FG3838PP	D04	G3/8"	PP
2N100FG3838PT	D04	G3/8"	PTFE
2N100FG3838PV	D04	G3/8"	PVDF
2N100FG4012PF	D06	G1/2"	PFA
2N100FG4012PP	D06	G1/2"	PP
2N100FG4012PT	D06	G1/2"	PTFE
2N100FG4012PV	D06	G1/2"	PVDF
2N100FG4014PF	D06	G1/4"	PFA
2N100FG4014PP	D06	G1/4"	PP
2N100FG4014PT	D06	G1/4"	PTFE
2N100FG4014PV	D06	G1/4"	PVDF
2N100FG4018PP	D06	G1/8"	PP
2N100FG4018PT	D06	G1/8"	PTFE
2N100FG4018PV	D06	G1/8"	PVDF
2N100FG4034PT	D06	G3/4"	PTFE
2N100FG4038PF	D06	G3/8"	PFA
2N100FG4038PP	D06	G3/8"	PP
2N100FG4038PT	D06	G3/8"	PTFE
2N100FG4038PV	D06	G3/8"	PVDF
2N100FG4312PP	D08	G1/2"	PP
2N100FG4312PT	D08	G1/2"	PTFE
2N100FG4312PV	D08	G1/2"	PVDF
2N100FG4314PF	D08	G1/4"	PFA
2N100FG4314PP	D08	G1/4"	PP

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Straight connector for pipe (Series 2N) with female G-thread

2

Article-Nr	Connection A	Connection B	Material
2N100FG4314PT	D08	G1/4"	PTFE
2N100FG4314PV	D08	G1/4"	PVDF
2N100FG4318PP	D08	G1/8"	PP
2N100FG4318PT	D08	G1/8"	PTFE
2N100FG4318PV	D08	G1/8"	PVDF
2N100FG4338PF	D08	G3/8"	PFA
2N100FG4338PP	D08	G3/8"	PP
2N100FG4338PT	D08	G3/8"	PTFE
2N100FG4338PV	D08	G3/8"	PVDF
2N100FG4512PP	D10	G1/2"	PP
2N100FG4512PT	D10	G1/2"	PTFE
2N100FG4512PV	D10	G1/2"	PVDF
2N100FG4514PF	D10	G1/4"	PFA
2N100FG4514PP	D10	G1/4"	PP
2N100FG4514PT	D10	G1/4"	PTFE
2N100FG4514PV	D10	G1/4"	PVDF
2N100FG4518PP	D10	G1/8"	PP
2N100FG4518PT	D10	G1/8"	PTFE
2N100FG4518PV	D10	G1/8"	PVDF
2N100FG4534PV	D10	G3/4"	PVDF
2N100FG4538PP	D10	G3/8"	PP
2N100FG4538PT	D10	G3/8"	PTFE
2N100FG4538PV	D10	G3/8"	PVDF
2N100FG48100PT	D12	G1"	PTFE
2N100FG4812PF	D12	G1/2"	PFA
2N100FG4812PP	D12	G1/2"	PP
2N100FG4812PPEP	D12	G1/2"	PP/EPDM
2N100FG4812PT	D12	G1/2"	PTFE
2N100FG4812PV	D12	G1/2"	PVDF
2N100FG4814PF	D12	G1/4"	PFA
2N100FG4814PP	D12	G1/4"	PP
2N100FG4814PT	D12	G1/4"	PTFE
2N100FG4814PV	D12	G1/4"	PVDF
2N100FG4814PVFP	D12	G1/4"	PVDF/FPM
2N100FG4834PT	D12	G3/4"	PTFE
2N100FG4838PF	D12	G3/8"	PFA
2N100FG4838PP	D12	G3/8"	PP
2N100FG4838PT	D12	G3/8"	PTFE
2N100FG4838PV	D12	G3/8"	PVDF
2N100FG4858PP	D12	G5/8"	PP
2N100FG4858PV	D12	G5/8"	PVDF
2N100FG5112PP	D14	G1/2"	PP
2N100FG5112PT	D14	G1/2"	PTFE
2N100FG5112PV	D14	G1/2"	PVDF
2N100FG5114PP	D14	G1/4"	PP
2N100FG5114PT	D14	G1/4"	PTFE
2N100FG5114PV	D14	G1/4"	PVDF
2N100FG5118PP	D14	G1/8"	PP
2N100FG5118PT	D14	G1/8"	PTFE
2N100FG5118PV	D14	G1/8"	PVDF
2N100FG5138PP	D14	G3/8"	PP
2N100FG5138PT	D14	G3/8"	PTFE
2N100FG5138PV	D14	G3/8"	PVDF
2N100FG5238PP	D15	G3/8"	PP
2N100FG5312PP	D16	G1/2"	PP
2N100FG5312PT	D16	G1/2"	PTFE
2N100FG5312PV	D16	G1/2"	PVDF
2N100FG5314PP	D16	G1/4"	PP
2N100FG5314PT	D16	G1/4"	PTFE
2N100FG5314PV	D16	G1/4"	PVDF
2N100FG5334PP	D16	G3/4"	PP
2N100FG5334PT	D16	G3/4"	PTFE

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Straight connector for pipe (Series 2N) with female G-thread

2

Article-Nr	Connection A	Connection B	Material
2N100FG5338PP	D16	G3/8"	PP
2N100FG5338PT	D16	G3/8"	PTFE
2N100FG5338PV	D16	G3/8"	PVDF
2N100FG55100PT	D18	G1"	PTFE
2N100FG5512PP	D18	G1/2"	PP
2N100FG5512PT	D18	G1/2"	PTFE
2N100FG5534PP	D18	G3/4"	PP
2N100FG5712PP	D20	G1/2"	PP
2N100FG5712PT	D20	G1/2"	PTFE
2N100FG5712PV	D20	G1/2"	PVDF
2N100FG5734PN	D20	G3/4"	PP-NATUR
2N100FG5734PP	D20	G3/4"	PP
2N100FG5734PV	D20	G3/4"	PVDF
2N100FG5738PT	D20	G3/8"	PTFE
2N100FG59100PP	D22	G1"	PP
2N100FG6112PP	D25	G1/2"	PP
2N100FG6134PP	D25	G3/4"	PP

Dimensions 2N100FG...

A(D)	B(G)	l4	~L5	SW3
4	1/8"	10	29	14
4	1/4"	15	35	17
4	3/8"	15	36	22
4	1/2"	16	38	27
6	1/8"	10	40	14
6	1/4"	15	46	17
6	3/8"	15	46	22
6	1/2"	16	48	27
8	1/8"	10	40	17
8	1/4"	15	46	17
8	3/8"	15	46	22
8	1/2"	16	48	27
10	1/8"	10	44	19
10	1/4"	15	50	19
10	3/8"	15	50	22
10	1/2"	16	51	27
12	1/8"	10	47	22
12	1/4"	15	53	22
12	3/8"	15	53	22
12	1/2"	16	54	27
14	1/8"	10	47	27
14	1/4"	15	53	27
14	3/8"	15	53	27
14	1/2"	16	54	27
15	1/8"	10	47	27
15	1/4"	15	53	27
15	3/8"	15	53	27
15	1/2"	16	54	27
16	1/4"	15	53	27
16	3/8"	15	53	27
16	1/2"	16	54	27
18	1/4"	15	59	32
18	3/8"	15	59	32
18	1/2"	16	60	32
20	1/4"	15	60	32
20	3/8"	15	60	32
20	1/2"	16	60	32
20	3/4"	20	65	36
22	3/8"	15	62	36
22	1/2"	16	63	36
22	3/4"	20	67	36

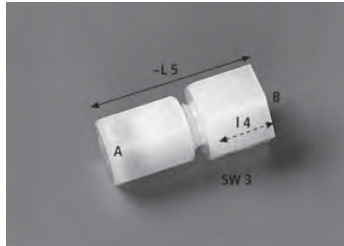
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Straight connector for pipe (Series 2N) with female G-thread

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A(D)	B(G)	I4	-L5	SW3
22	1"	22	70	43
25	1/2"	16	70	43
25	3/4"	20	69	43
25	1"	22	70	43
1/8"	1/8"	10	32	14
1/8"	1/4"	15	37	17
1/8"	3/8"	15	37	22
1/8"	1/2"	16	39	27
1/4"	1/8"	10	41	14
1/4"	1/4"	15	47	17
1/4"	3/8"	15	47	22
1/4"	1/2"	16	49	27
3/8"	1/8"	10	45	19
3/8"	1/4"	15	50	19
3/8"	3/8"	15	50	22
3/8"	1/2"	16	51	27
1/2"	1/8"	10	54	22
1/2"	1/4"	15	54	22
1/2"	3/8"	15	54	22
1/2"	1/2"	16	55	27
3/4"	1/4"	15	55	32
3/4"	3/8"	15	55	32
3/4"	1/2"	16	56	32
3/4"	3/4"	20	61	32

Straight connector for pipe (Series 2N) with female M-thread



Article-Nr	Connection A	Connection B	Material
2N100FM0306PP	D1/8"	M6	PP
2N100FM1123PP	D3/8"	M20x1,5	PP
2N100FM3811PV	D04	M10x1	PVDF
2N100FM3909PP	D05	M8x1	PP
2N100FM4011PT	D06	M10x1	PTFE
2N100FM4011PV	D06	M10x1	PVDF
2N100FM4012PF	D06	M10x1,5	PFA
2N100FM4015PP	D06	M12x1,5	PP
2N100FM4015PT	D06	M12x1,5	PTFE
2N100FM4015PV	D06	M12x1,5	PVDF
2N100FM4017PP	D06	M14x1,5	PP
2N100FM4017PV	D06	M14x1,5	PVDF
2N100FM4019PP	D06	M16x1,5	PP
2N100FM4019PV	D06	M16x1,5	PVDF
2N100FM4021PP	D06	M18x1,5	PP
2N100FM4021PV	D06	M18x1,5	PVDF
2N100FM4023PP	D06	M20x1,5	PP
2N100FM4023PT	D06	M20x1,5	PTFE
2N100FM4315PP	D08	M12x1,5	PP
2N100FM4315PV	D08	M12x1,5	PVDF
2N100FM4317PP	D08	M14x1,5	PP
2N100FM4317PV	D08	M14x1,5	PVDF
2N100FM4319PP	D08	M16x1,5	PP
2N100FM4319PV	D08	M16x1,5	PVDF
2N100FM4321PP	D08	M18x1,5	PP
2N100FM4321PT	D08	M18x1,5	PTFE
2N100FM4321PV	D08	M18x1,5	PVDF
2N100FM4323PP	D08	M20x1,5	PP
2N100FM4515PP	D10	M12x1,5	PP
2N100FM4515PV	D10	M12x1,5	PVDF
2N100FM4517PP	D10	M14x1,5	PP
2N100FM4517PV	D10	M14x1,5	PVDF
2N100FM4519PP	D10	M16x1,5	PP
2N100FM4519PV	D10	M16x1,5	PVDF
2N100FM4521PP	D10	M18x1,5	PP
2N100FM4521PV	D10	M18x1,5	PVDF
2N100FM4523PV	D10	M20x1,5	PVDF
2N100FM4815PP	D12	M12x1,5	PP
2N100FM4815PV	D12	M12x1,5	PVDF
2N100FM4817PP	D12	M14x1,5	PP
2N100FM4817PV	D12	M14x1,5	PVDF
2N100FM4819PP	D12	M16x1,5	PP
2N100FM4819PV	D12	M16x1,5	PVDF
2N100FM4821PP	D12	M18x1,5	PP
2N100FM4821PV	D12	M18x1,5	PVDF
2N100FM4823PP	D12	M20x1,5	PP
2N100FM4823PT	D12	M20x1,5	PTFE
2N100FM4828PT	D12	M20x2	PTFE
2N100FM5115PP	D14	M12x1,5	PP
2N100FM5115PV	D14	M12x1,5	PVDF
2N100FM5117PF	D14	M14x1,5	PFA
2N100FM5117PP	D14	M14x1,5	PP
2N100FM5117PV	D14	M14x1,5	PVDF
2N100FM5119PF	D14	M16x1,5	PFA
2N100FM5119PP	D14	M16x1,5	PP
2N100FM5119PV	D14	M16x1,5	PVDF
2N100FM5121PP	D14	M18x1,5	PP
2N100FM5121PV	D14	M18x1,5	PVDF

Dimensions 2N100FM . . .

A(D)	B(M)	I4	~L5	SW3
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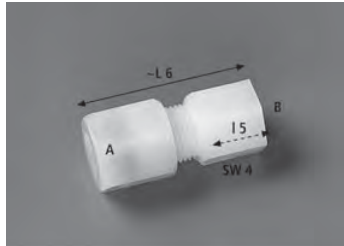
Straight connector for pipe (Series 2N) with female M-thread

2

A(D)	B(M)	l4	~L5	SW3
4	10x1	10	31	14
4	10x1,5	10	31	14
4	12x1,5	15	36	17
4	14x1,5	15	36	19
4	16x1,5	15.5	36	22
4	18x1,5	16.5	37	24
6	10x1	10	40	14
6	10x1,5	10	40	14
6	12x1,5	15	46	17
6	14x1,5	15	46	19
6	16x1,5	15.5	46	22
6	18x1,5	16.5	46	24
8	10x1	10	40	17
8	10x1,5	10	40	17
8	12x1,5	15	46	17
8	14x1,5	15	46	19
8	16x1,5	15.5	46	22
8	18x1,5	16.5	46	24
10	10x1	10	44	19
10	10x1,5	10	44	19
10	12x1,5	15	50	22
10	14x1,5	15	50	22
10	16x1,5	15.5	50	22
10	18x1,5	16.5	50	24
12	12x1,5	15	53	22
12	14x1,5	15	53	22
12	16x1,5	15.5	53	22
12	18x1,5	16.5	53	24
14	12x1,5	15	53	27
14	14x1,5	15	53	27
14	16x1,5	15.5	53	27
14	18x1,5	16.5	53	27
14	20x1,5	16.5	53	27
15	12x1,5	15	53	27
15	14x1,5	15	53	27
15	16x1,5	15.5	53	27
15	18x1,5	16.5	53	27
15	20x1,5	16.5	53	27
16	12x1,5	15	53	27
16	14x1,5	15	53	27
16	16x1,5	15.5	53	27
16	18x1,5	16.5	53	27
16	20x1,5	16.5	53	32
18	12x1,5	15	60	32
18	14x1,5	15	60	32
18	16x1,5	15.5	60	32
18	18x1,5	16.5	60	32
18	20x1,5	16.5	60	32

Straight connector for pipe (Series 2N) with female NPT-thread

2



Article-Nr	Connection A	Connection B	Material
2N100FN0312PF	D1/8"	NPT1/2"	PFA
2N100FN0314PF	D1/8"	NPT1/4"	PFA
2N100FN0314PP	D1/8"	NPT1/4"	PP
2N100FN0314PT	D1/8"	NPT1/4"	PTFE
2N100FN0318PT	D1/8"	NPT1/8"	PTFE
2N100FN0318PV	D1/8"	NPT1/8"	PVDF
2N100FN0512PF	D1/4"	NPT1/2"	PFA
2N100FN0512PV	D1/4"	NPT1/2"	PVDF
2N100FN0514PP	D1/4"	NPT1/4"	PP
2N100FN0514PT	D1/4"	NPT1/4"	PTFE
2N100FN0514PV	D1/4"	NPT1/4"	PVDF
2N100FN0518PP	D1/4"	NPT1/8"	PP
2N100FN0518PT	D1/4"	NPT1/8"	PTFE
2N100FN0518PV	D1/4"	NPT1/8"	PVDF
2N100FN1112PT	D3/8"	NPT1/2"	PTFE
2N100FN1114PP	D3/8"	NPT1/4"	PP
2N100FN15100PT	D1/2"	NPT1"	PTFE
2N100FN1512PF	D1/2"	NPT1/2"	PFA
2N100FN1512PP	D1/2"	NPT1/2"	PP
2N100FN1512PV	D1/2"	NPT1/2"	PVDF
2N100FN3812PP	D04	NPT1/2"	PP
2N100FN3812PT	D04	NPT1/2"	PTFE
2N100FN3812PV	D04	NPT1/2"	PVDF
2N100FN3814PP	D04	NPT1/4"	PP
2N100FN3814PT	D04	NPT1/4"	PTFE
2N100FN3814PV	D04	NPT1/4"	PVDF
2N100FN3818PP	D04	NPT1/8"	PP
2N100FN3818PT	D04	NPT1/8"	PTFE
2N100FN3818PV	D04	NPT1/8"	PVDF
2N100FN3838PP	D04	NPT3/8"	PP
2N100FN3838PT	D04	NPT3/8"	PTFE
2N100FN3838PV	D04	NPT3/8"	PVDF
2N100FN4012PP	D06	NPT1/2"	PP
2N100FN4012PT	D06	NPT1/2"	PTFE
2N100FN4012PV	D06	NPT1/2"	PVDF
2N100FN4014PP	D06	NPT1/4"	PP
2N100FN4014PT	D06	NPT1/4"	PTFE
2N100FN4014PV	D06	NPT1/4"	PVDF
2N100FN4018PP	D06	NPT1/8"	PP
2N100FN4018PT	D06	NPT1/8"	PTFE
2N100FN4018PV	D06	NPT1/8"	PVDF
2N100FN4034PP	D06	NPT3/4"	PP
2N100FN4038PP	D06	NPT3/8"	PP
2N100FN4038PT	D06	NPT3/8"	PTFE
2N100FN4038PV	D06	NPT3/8"	PVDF
2N100FN4312PP	D08	NPT1/2"	PP
2N100FN4312PT	D08	NPT1/2"	PTFE
2N100FN4312PV	D08	NPT1/2"	PVDF
2N100FN4314PF	D08	NPT1/4"	PFA
2N100FN4314PP	D08	NPT1/4"	PP
2N100FN4314PT	D08	NPT1/4"	PTFE
2N100FN4314PV	D08	NPT1/4"	PVDF
2N100FN4318PP	D08	NPT1/8"	PP
2N100FN4318PT	D08	NPT1/8"	PTFE
2N100FN4318PV	D08	NPT1/8"	PVDF
2N100FN4338PP	D08	NPT3/8"	PP
2N100FN4338PT	D08	NPT3/8"	PTFE
2N100FN4338PV	D08	NPT3/8"	PVDF
2N100FN4512PP	D10	NPT1/2"	PP
2N100FN4512PT	D10	NPT1/2"	PTFE
2N100FN4512PV	D10	NPT1/2"	PVDF
2N100FN4514PF	D10	NPT1/4"	PFA

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Article-Nr	Connection A	Connection B	Material
2N100FN4514PP	D10	NPT1/4"	PP
2N100FN4514PT	D10	NPT1/4"	PTFE
2N100FN4514PV	D10	NPT1/4"	PVDF
2N100FN4518PP	D10	NPT1/8"	PP
2N100FN4518PT	D10	NPT1/8"	PTFE
2N100FN4518PV	D10	NPT1/8"	PVDF
2N100FN4538PP	D10	NPT3/8"	PP
2N100FN4538PT	D10	NPT3/8"	PTFE
2N100FN4538PV	D10	NPT3/8"	PVDF
2N100FN4812PF	D12	NPT1/2"	PFA
2N100FN4812PP	D12	NPT1/2"	PP
2N100FN4812PT	D12	NPT1/2"	PTFE
2N100FN4812PV	D12	NPT1/2"	PVDF
2N100FN4814PP	D12	NPT1/4"	PP
2N100FN4814PT	D12	NPT1/4"	PTFE
2N100FN4814PV	D12	NPT1/4"	PVDF
2N100FN4838PP	D12	NPT3/8"	PP
2N100FN4838PT	D12	NPT3/8"	PTFE
2N100FN4838PV	D12	NPT3/8"	PVDF
2N100FN5112PT	D14	NPT1/2"	PTFE
2N100FN5112PV	D14	NPT1/2"	PVDF
2N100FN5114PP	D14	NPT1/4"	PP
2N100FN5114PT	D14	NPT1/4"	PTFE
2N100FN5114PV	D14	NPT1/4"	PVDF
2N100FN5138PP	D14	NPT3/8"	PP
2N100FN5138PT	D14	NPT3/8"	PTFE
2N100FN5138PV	D14	NPT3/8"	PVDF
2N100FN5312PP	D16	NPT1/2"	PP
2N100FN5312PT	D16	NPT1/2"	PTFE
2N100FN5312PV	D16	NPT1/2"	PVDF
2N100FN5314PP	D16	NPT1/4"	PP
2N100FN5314PT	D16	NPT1/4"	PTFE
2N100FN5314PV	D16	NPT1/4"	PVDF
2N100FN5338PP	D16	NPT3/8"	PP
2N100FN5338PT	D16	NPT3/8"	PTFE
2N100FN5338PV	D16	NPT3/8"	PVDF
2N100FN5712PT	D20	NPT1/2"	PTFE
2N100FN5712PV	D20	NPT1/2"	PVDF

Dimensions 2N100FN. . .

A(D)	B(NPT)	I5	~L6	SW4
4	1/8"	11.6	31	14
4	1/4"	16.4	37	17
4	3/8"	17.4	38	22
4	1/2"	22.6	44	27
6	1/8"	11.6	42	14
6	1/4"	16.4	48	17
6	3/8"	17.4	49	22
6	1/2"	22.6	55	27
8	1/8"	11.6	42	17
8	1/4"	16.4	48	17
8	3/8"	17.4	49	22
8	1/2"	22.6	55	27
10	1/8"	11.6	45	19
10	1/4"	16.4	51	19
10	3/8"	17.4	52	22
10	1/2"	22.6	58	27
12	1/8"	11.6	48	22
12	1/4"	16.4	54	22
12	3/8"	17.4	55	22
12	1/2"	22.6	61	27

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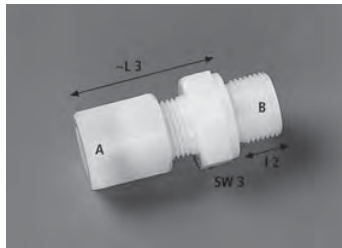
Straight connector for pipe (Series 2N) with female NPT-thread

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A(D)	B(NPT)	I5	-L6	SW4
14	1/8"	11.6	49	27
14	1/4"	16.4	55	27
14	3/8"	17.4	56	27
14	1/2"	22.6	61	27
15	1/8"	11.6	49	27
15	1/4"	16.4	55	27
15	3/8"	17.4	56	27
15	1/2"	22.6	61	27
16	1/4"	16.4	55	27
16	3/8"	17.4	56	27
16	1/2"	22.6	61	27
18	1/4"	16.4	60	32
18	3/8"	17.4	61	32
18	1/2"	22.6	67	32
20	1/4"	16.4	60	32
20	3/8"	17.4	61	32
20	1/2"	22.6	67	32
20	3/4"	23.1	67	36
22	3/8"	17.4	65	36
22	1/2"	22.6	70	36
22	3/4"	23.1	70	36
22	1"	27.8	75	43
25	1/2"	22.6	71	43
25	3/4"	23.1	71	43
25	1"	27.8	76	43
1/8"	1/8"	11.6	36	14
1/8"	1/4"	16.4	40	17
1/8"	3/8"	17.4	41	22
1/8"	1/2"	22.6	47	27
1/4"	1/8"	11.6	45	14
1/4"	1/4"	16.4	49	17
1/4"	3/8"	17.4	50	22
1/4"	1/2"	22.6	56	27
3/8"	1/8"	11.6	47	19
3/8"	1/4"	16.4	51	22
3/8"	3/8"	17.4	52	22
3/8"	1/2"	22.6	58	27
1/2"	1/8"	11.6	51	22
1/2"	1/4"	16.4	55	22
1/2"	3/8"	17.4	56	22
1/2"	1/2"	22.6	62	27
3/4"	1/4"	16.4	56	32
3/4"	3/8"	17.4	57	32
3/4"	1/2"	22.6	63	32
3/4"	3/4"	23.1	63	36

Straight connector for pipe (Series 2N) with male G-thread

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Article-Nr	Connection A	Connection B	Material
2N100MG0314PF	D1/8"	G1/4"	PFA
2N100MG0314PFFP	D1/8"	G1/4"	PFA/FPM
2N100MG0314PP	D1/8"	G1/4"	PP
2N100MG0314PT	D1/8"	G1/4"	PTFE
2N100MG0314PV	D1/8"	G1/4"	PVDF
2N100MG0314PVFP	D1/8"	G1/4"	PVDF/FPM
2N100MG0318PF	D1/8"	G1/8"	PFA
2N100MG0318PFFP	D1/8"	G1/8"	PFA/FPM
2N100MG0318PN	D1/8"	G1/8"	PP-NATUR
2N100MG0318PP	D1/8"	G1/8"	PP
2N100MG0318PPFP	D1/8"	G1/8"	PP/FPM
2N100MG0318PT	D1/8"	G1/8"	PTFE
2N100MG0318PV	D1/8"	G1/8"	PVDF
2N100MG0318PVFP	D1/8"	G1/8"	PVDF/FPM
2N100MG0338PP	D1/8"	G3/8"	PP
2N100MG0338PT	D1/8"	G3/8"	PTFE
2N100MG0414PV	D3/16"	G1/4"	PVDF
2N100MG0418PV	D3/16"	G1/8"	PVDF
2N100MG0512PF	D1/4"	G1/2"	PFA
2N100MG0512PP	D1/4"	G1/2"	PP
2N100MG0512PT	D1/4"	G1/2"	PTFE
2N100MG0512PV	D1/4"	G1/2"	PVDF
2N100MG0514PF	D1/4"	G1/4"	PFA
2N100MG0514PFFK	D1/4"	G1/4"	PFA/FFKM
2N100MG0514PFFP	D1/4"	G1/4"	PFA/FPM
2N100MG0514PN	D1/4"	G1/4"	PP-NATUR
2N100MG0514PP	D1/4"	G1/4"	PP
2N100MG0514PPFP	D1/4"	G1/4"	PP/FPM
2N100MG0514PT	D1/4"	G1/4"	PTFE
2N100MG0514PTFP	D1/4"	G1/4"	PTFE/FPM
2N100MG0514PV	D1/4"	G1/4"	PVDF
2N100MG0518PF	D1/4"	G1/8"	PFA
2N100MG0518PFFP	D1/4"	G1/8"	PFA/FPM
2N100MG0518PN	D1/4"	G1/8"	PP-NATUR
2N100MG0518PP	D1/4"	G1/8"	PP
2N100MG0518PT	D1/4"	G1/8"	PTFE
2N100MG0518PV	D1/4"	G1/8"	PVDF
2N100MG0518PVEP	D1/4"	G1/8"	PVDF/EPDM
2N100MG0518PVFP	D1/4"	G1/8"	PVDF/FPM
2N100MG0538PF	D1/4"	G3/8"	PFA
2N100MG0538PP	D1/4"	G3/8"	PP
2N100MG0538PT	D1/4"	G3/8"	PTFE
2N100MG0538PV	D1/4"	G3/8"	PVDF
2N100MG1112PF	D3/8"	G1/2"	PFA
2N100MG1112PP	D3/8"	G1/2"	PP
2N100MG1112PT	D3/8"	G1/2"	PTFE
2N100MG1112PV	D3/8"	G1/2"	PVDF
2N100MG1114PF	D3/8"	G1/4"	PFA
2N100MG1114PP	D3/8"	G1/4"	PP
2N100MG1114PT	D3/8"	G1/4"	PTFE
2N100MG1114PV	D3/8"	G1/4"	PVDF
2N100MG1118PP	D3/8"	G1/8"	PP
2N100MG1118PV	D3/8"	G1/8"	PVDF
2N100MG1138PF	D3/8"	G3/8"	PFA
2N100MG1138PP	D3/8"	G3/8"	PP
2N100MG1138PT	D3/8"	G3/8"	PTFE
2N100MG1138PV	D3/8"	G3/8"	PVDF
2N100MG1512PF	D1/2"	G1/2"	PFA
2N100MG1512PFFK	D1/2"	G1/2"	PFA/FFKM
2N100MG1512PN	D1/2"	G1/2"	PP-NATUR
2N100MG1512PP	D1/2"	G1/2"	PP
2N100MG1512PT	D1/2"	G1/2"	PTFE

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Straight connector for pipe (Series 2N) with male G-thread

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Article-Nr	Connection A	Connection B	Material
2N100MG1512PV	D1/2"	G1/2"	PVDF
2N100MG1514PP	D1/2"	G1/4"	PP
2N100MG1514PT	D1/2"	G1/4"	PTFE
2N100MG1514PV	D1/2"	G1/4"	PVDF
2N100MG1518PF	D1/2"	G1/8"	PFA
2N100MG1538PF	D1/2"	G3/8"	PFA
2N100MG1538PP	D1/2"	G3/8"	PP
2N100MG1538PT	D1/2"	G3/8"	PTFE
2N100MG1538PV	D1/2"	G3/8"	PVDF
2N100MG2012PP	D3/4"	G1/2"	PP
2N100MG2012PV	D3/4"	G1/2"	PVDF
2N100MG2014PV	D3/4"	G1/4"	PVDF
2N100MG2034PF	D3/4"	G3/4"	PFA
2N100MG2034PP	D3/4"	G3/4"	PP
2N100MG2034PV	D3/4"	G3/4"	PVDF
2N100MG24100PT	D1"	G1"	PTFE
2N100MG3812PF	D04	G1/2"	PFA
2N100MG3812PN	D04	G1/2"	PP-NATUR
2N100MG3812PP	D04	G1/2"	PP
2N100MG3812PT	D04	G1/2"	PTFE
2N100MG3812PV	D04	G1/2"	PVDF
2N100MG3814PF	D04	G1/4"	PFA
2N100MG3814PN	D04	G1/4"	PP-NATUR
2N100MG3814PP	D04	G1/4"	PP
2N100MG3814PPFP	D04	G1/4"	PP/FPM
2N100MG3814PT	D04	G1/4"	PTFE
2N100MG3814PV	D04	G1/4"	PVDF
2N100MG3814PVFP	D04	G1/4"	PVDF/FPM
2N100MG3818PF	D04	G1/8"	PFA
2N100MG3818PN	D04	G1/8"	PP-NATUR
2N100MG3818PP	D04	G1/8"	PP
2N100MG3818PPFP	D04	G1/8"	PP/FPM
2N100MG3818PT	D04	G1/8"	PTFE
2N100MG3818PV	D04	G1/8"	PVDF
2N100MG3818PVEP	D04	G1/8"	PVDF/EPDM
2N100MG3818PVFP	D04	G1/8"	PVDF/FPM
2N100MG3838PF	D04	G3/8"	PFA
2N100MG3838PN	D04	G3/8"	PP-NATUR
2N100MG3838PP	D04	G3/8"	PP
2N100MG3838PT	D04	G3/8"	PTFE
2N100MG3838PV	D04	G3/8"	PVDF
2N100MG3838PVFP	D04	G3/8"	PVDF/FPM
2N100MG3914PN	D05	G1/4"	PP-NATUR
2N100MG3914PV	D05	G1/4"	PVDF
2N100MG3918PF	D05	G1/8"	PFA
2N100MG3918PN	D05	G1/8"	PP-NATUR
2N100MG3918PV	D05	G1/8"	PVDF
2N100MG4012PF	D06	G1/2"	PFA
2N100MG4012PFFK	D06	G1/2"	PFA/FFKM
2N100MG4012PK	D06	G1/2"	PEEK
2N100MG4012PP	D06	G1/2"	PP
2N100MG4012PT	D06	G1/2"	PTFE
2N100MG4012PV	D06	G1/2"	PVDF
2N100MG4014PF	D06	G1/4"	PFA
2N100MG4014PFFK	D06	G1/4"	PFA/FFKM
2N100MG4014PPFP	D06	G1/4"	PFA/FPM
2N100MG4014PK	D06	G1/4"	PEEK
2N100MG4014PN	D06	G1/4"	PP-NATUR
2N100MG4014PP	D06	G1/4"	PP
2N100MG4014PPEP	D06	G1/4"	PP/EPDM
2N100MG4014PPFP	D06	G1/4"	PP/FPM
2N100MG4014PT	D06	G1/4"	PTFE

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Straight connector for pipe (Series 2N) with male G-thread

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Article-Nr	Connection A	Connection B	Material
2N100MG4014PTFP	D06	G1/4"	PTFE/FPM
2N100MG4014PV	D06	G1/4"	PVDF
2N100MG4014PVFP	D06	G1/4"	PVDF/FPM
2N100MG4018PF	D06	G1/8"	PFA
2N100MG4018PK	D06	G1/8"	PEEK
2N100MG4018PKEP	D06	G1/8"	PEEK/EPDM
2N100MG4018PN	D06	G1/8"	PP-NATUR
2N100MG4018PP	D06	G1/8"	PP
2N100MG4018PPEP	D06	G1/8"	PP/EPDM
2N100MG4018PPFP	D06	G1/8"	PP/FPM
2N100MG4018PT	D06	G1/8"	PTFE
2N100MG4018PTFP	D06	G1/8"	PTFE/FPM
2N100MG4018PV	D06	G1/8"	PVDF
2N100MG4018PVFP	D06	G1/8"	PVDF/FPM
2N100MG4034PP	D06	G3/4"	PP
2N100MG4034PV	D06	G3/4"	PVDF
2N100MG4038PF	D06	G3/8"	PFA
2N100MG4038PFFP	D06	G3/8"	PFA/FPM
2N100MG4038PN	D06	G3/8"	PP-NATUR
2N100MG4038PP	D06	G3/8"	PP
2N100MG4038PPFP	D06	G3/8"	PP/FPM
2N100MG4038PT	D06	G3/8"	PTFE
2N100MG4038PTFP	D06	G3/8"	PTFE/FPM
2N100MG4038PV	D06	G3/8"	PVDF
2N100MG4312PF	D08	G1/2"	PFA
2N100MG4312PP	D08	G1/2"	PP
2N100MG4312PPFP	D08	G1/2"	PP/FPM
2N100MG4312PT	D08	G1/2"	PTFE
2N100MG4312PV	D08	G1/2"	PVDF
2N100MG4314PF	D08	G1/4"	PFA
2N100MG4314PK	D08	G1/4"	PEEK
2N100MG4314PN	D08	G1/4"	PP-NATUR
2N100MG4314PP	D08	G1/4"	PP
2N100MG4314PPFP	D08	G1/4"	PP/FPM
2N100MG4314PT	D08	G1/4"	PTFE
2N100MG4314PTFP	D08	G1/4"	PTFE/FPM
2N100MG4314PV	D08	G1/4"	PVDF
2N100MG4314PVFP	D08	G1/4"	PVDF/FPM
2N100MG4318PF	D08	G1/8"	PFA
2N100MG4318PN	D08	G1/8"	PP-NATUR
2N100MG4318PP	D08	G1/8"	PP
2N100MG4318PPEP	D08	G1/8"	PP/EPDM
2N100MG4318PPFP	D08	G1/8"	PP/FPM
2N100MG4318PT	D08	G1/8"	PTFE
2N100MG4318PV	D08	G1/8"	PVDF
2N100MG4338PF	D08	G3/8"	PFA
2N100MG4338PP	D08	G3/8"	PP
2N100MG4338PPFP	D08	G3/8"	PP/FPM
2N100MG4338PT	D08	G3/8"	PTFE
2N100MG4338PTEP	D08	G3/8"	PTFE
2N100MG4338PTFP	D08	G3/8"	PTFE/FPM
2N100MG4338PV	D08	G3/8"	PVDF
2N100MG4512PF	D10	G1/2"	PFA
2N100MG4512PK	D10	G1/2"	PEEK
2N100MG4512PP	D10	G1/2"	PP
2N100MG4512PPEP	D10	G1/2"	PP/EPDM
2N100MG4512PPFP	D10	G1/2"	PP/FPM
2N100MG4512PT	D10	G1/2"	PTFE
2N100MG4512PV	D10	G1/2"	PVDF
2N100MG4512PVFP	D10	G1/2"	PVDF/FPM
2N100MG4514PF	D10	G1/4"	PFA
2N100MG4514PK	D10	G1/4"	PEEK

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Straight connector for pipe (Series 2N) with male G-thread

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Article-Nr	Connection A	Connection B	Material
2N100MG4514PP	D10	G1/4"	PP
2N100MG4514PPEP	D10	G1/4"	PP/EPDM
2N100MG4514PT	D10	G1/4"	PTFE
2N100MG4514PTFK	D10	G1/4"	PTFE
2N100MG4514PV	D10	G1/4"	PVDF
2N100MG4518PP	D10	G1/8"	PP
2N100MG4518PT	D10	G1/8"	PTFE
2N100MG4518PV	D10	G1/8"	PVDF
2N100MG4534PT	D10	G3/4"	PTFE
2N100MG4538PF	D10	G3/8"	PFA
2N100MG4538PK	D10	G3/8"	PEEK
2N100MG4538PP	D10	G3/8"	PP
2N100MG4538PT	D10	G3/8"	PTFE
2N100MG4538PV	D10	G3/8"	PVDF
2N100MG4538PVFP	D10	G3/8"	PVDF/FPM
2N100MG4812PF	D12	G1/2"	PFA
2N100MG4812PFFK	D12	G1/2"	PFA/FFKM
2N100MG4812PK	D12	G1/2"	PEEK
2N100MG4812PN	D12	G1/2"	PP-NATUR
2N100MG4812PP	D12	G1/2"	PP
2N100MG4812PPEP	D12	G1/2"	PP/EPDM
2N100MG4812PPFP	D12	G1/2"	PP/FPM
2N100MG4812PT	D12	G1/2"	PTFE
2N100MG4812PV	D12	G1/2"	PVDF
2N100MG4812PVFP	D12	G1/2"	PVDF/FPM
2N100MG4814PF	D12	G1/4"	PFA
2N100MG4814PK	D12	G1/4"	PEEK
2N100MG4814PKFP	D12	G1/4"	PEEK/FPM
2N100MG4814PNFP	D12	G1/4"	PP-NATUR/FPM
2N100MG4814PP	D12	G1/4"	PP
2N100MG4814PPEP	D12	G1/4"	PP/EPDM
2N100MG4814PPFP	D12	G1/4"	PP/FPM
2N100MG4814PT	D12	G1/4"	PTFE
2N100MG4814PV	D12	G1/4"	PVDF
2N100MG4814PVFP	D12	G1/4"	PVDF/FPM
2N100MG4818PP	D12	G1/8"	PP
2N100MG4818PT	D12	G1/8"	PTFE
2N100MG4818PV	D12	G1/8"	PVDF
2N100MG4834PP	D12	G3/4"	PP
2N100MG4834PT	D12	G3/4"	PTFE
2N100MG4838PF	D12	G3/8"	PFA
2N100MG4838PK	D12	G3/8"	PEEK
2N100MG4838PP	D12	G3/8"	PP
2N100MG4838PPFP	D12	G3/8"	PP/FPM
2N100MG4838PT	D12	G3/8"	PTFE
2N100MG4838PV	D12	G3/8"	PVDF
2N100MG4838PVFP	D12	G3/8"	PVDF/FPM
2N100MG5112PF	D14	G1/2"	PFA
2N100MG5112PP	D14	G1/2"	PP
2N100MG5112PT	D14	G1/2"	PTFE
2N100MG5112PTFP	D14	G1/2"	PTFE/FPM
2N100MG5112PV	D14	G1/2"	PVDF
2N100MG5114PP	D14	G1/4"	PP
2N100MG5114PT	D14	G1/4"	PTFE
2N100MG5114PV	D14	G1/4"	PVDF
2N100MG5118PP	D14	G1/8"	PP
2N100MG5118PT	D14	G1/8"	PTFE
2N100MG5118PV	D14	G1/8"	PVDF
2N100MG5134PP	D14	G3/4"	PP
2N100MG5134PT	D14	G3/4"	PTFE
2N100MG5134PV	D14	G3/4"	PVDF
2N100MG5138PF	D14	G3/8"	PFA

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Straight connector for pipe (Series 2N) with male G-thread

2

Article-Nr	Connection A	Connection B	Material
2N100MG5138PP	D14	G3/8"	PP
2N100MG5138PT	D14	G3/8"	PTFE
2N100MG5138PV	D14	G3/8"	PVDF
2N100MG5138PVFP	D14	G3/8"	PVDF/FPM
2N100MG5212PP	D15	G1/2"	PP
2N100MG5212PV	D15	G1/2"	PVDF
2N100MG5214PP	D15	G1/4"	PP
2N100MG5218PP	D15	G1/8"	PP
2N100MG5218PPFP	D15	G1/8"	PP/FPM
2N100MG5234PT	D15	G3/4"	PTFE
2N100MG5238PP	D15	G3/8"	PP
2N100MG5238PV	D15	G3/8"	PVDF
2N100MG5312PF	D16	G1/2"	PFA
2N100MG5312PP	D16	G1/2"	PP
2N100MG5312PT	D16	G1/2"	PTFE
2N100MG5312PV	D16	G1/2"	PVDF
2N100MG5314PP	D16	G1/4"	PP
2N100MG5314PT	D16	G1/4"	PTFE
2N100MG5314PV	D16	G1/4"	PVDF
2N100MG5334PF	D16	G3/4"	PFA
2N100MG5334PP	D16	G3/4"	PP
2N100MG5334PT	D16	G3/4"	PTFE
2N100MG5334PV	D16	G3/4"	PVDF
2N100MG5338PF	D16	G3/8"	PFA
2N100MG5338PP	D16	G3/8"	PP
2N100MG5338PT	D16	G3/8"	PTFE
2N100MG5338PV	D16	G3/8"	PVDF
2N100MG5512PF	D18	G1/2"	PFA
2N100MG5512PP	D18	G1/2"	PP
2N100MG5512PT	D18	G1/2"	PTFE
2N100MG5512PV	D18	G1/2"	PVDF
2N100MG5514PV	D18	G1/4"	PVDF
2N100MG5534PF	D18	G3/4"	PFA
2N100MG5534PP	D18	G3/4"	PP
2N100MG5534PT	D18	G3/4"	PTFE
2N100MG5534PV	D18	G3/4"	PVDF
2N100MG5538PF	D18	G3/8"	PFA
2N100MG5538PP	D18	G3/8"	PP
2N100MG57100PT	D20	G1"	PTFE
2N100MG57100PV	D20	G1"	PVDF
2N100MG5712PN	D20	G1/2"	PP-NATUR
2N100MG5712PP	D20	G1/2"	PP
2N100MG5712PT	D20	G1/2"	PTFE
2N100MG5712PV	D20	G1/2"	PVDF
2N100MG5714PN	D20	G1/4"	PP-NATUR
2N100MG5714PP	D20	G1/4"	PP
2N100MG5714PV	D20	G1/4"	PVDF
2N100MG5734PN	D20	G3/4"	PP-NATUR
2N100MG5734PP	D20	G3/4"	PP
2N100MG5734PT	D20	G3/4"	PTFE
2N100MG5734PV	D20	G3/4"	PVDF
2N100MG5738PN	D20	G3/8"	PP-NATUR
2N100MG5738PV	D20	G3/8"	PVDF
2N100MG5912PP	D22	G1/2"	PP
2N100MG5912PT	D22	G1/2"	PTFE
2N100MG5912PV	D22	G1/2"	PVDF
2N100MG5934PT	D22	G3/4"	PTFE
2N100MG5934PV	D22	G3/4"	PVDF
2N100MG5938PV	D22	G3/8"	PVDF
2N100MG61100PF	D25	G1"	PFA
2N100MG61100PP	D25	G1"	PP
2N100MG61100PT	D25	G1"	PTFE

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Straight connector for pipe (Series 2N) with male G-thread

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Article-Nr	Connection A	Connection B	Material
2N100MG61100PV	D25	G1"	PVDF
2N100MG6112PP	D25	G1/2"	PP
2N100MG6112PV	D25	G1/2"	PVDF
2N100MG6134PP	D25	G3/4"	PP
2N100MG6134PT	D25	G3/4"	PTFE
2N100MG6134PV	D25	G3/4"	PVDF
2N100MG6134PVFP	D25	G3/4"	PVDF/FPM

Dimensions 2N100MG...

A(D)	B(G)	l2	~L3	SW3
4	1/8"	8	22.5	14
4	1/4"	12	24	17
4	3/8"	12	25.5	22
4	1/2"	14	28	27
6	1/8"	8	33.5	14
6	1/4"	12	35	17
6	3/8"	12	36.5	22
6	1/2"	14	39	27
8	1/8"	8	35	17
8	1/4"	12	35	17
8	3/8"	12	36.5	22
8	1/2"	14	39	27
10	1/8"	8	39.5	19
10	1/4"	12	39.5	19
10	3/8"	12	39.5	22
10	1/2"	14	42	27
12	1/8"	8	42.5	22
12	1/4"	12	42.5	22
12	3/8"	12	42.5	22
12	1/2"	14	45	27
14	1/8"	8	45	27
14	1/4"	12	45	27
14	3/8"	12	45	27
14	1/2"	14	45	27
15	1/8"	8	43.5	27
15	1/4"	12	44	27
15	3/8"	12	44.5	27
15	1/2"	14	45	27
16	1/4"	12	44	27
16	3/8"	12	44.5	27
16	1/2"	14	45	27
18	1/4"	12	53	32
18	3/8"	12	51.5	32
18	1/2"	14	53.5	32
20	1/4"	12	53	32
20	3/8"	12	53.5	32
20	1/2"	14	54	32
20	3/4"	16	56	36
22	3/8"	12	58.5	36
22	1/2"	14	59	36
22	3/4"	16	59	36
22	1"	18	61	43
25	1/2"	14	62	43
25	3/4"	16	62	43
25	1"	18	62	43
1/8"	1/8"	8	25.5	14
1/8"	1/4"	12	27	17
1/8"	3/8"	12	28.5	22
1/8"	1/2"	14	31	27
1/4"	1/8"	8	34.5	14
1/4"	1/4"	12	36	17

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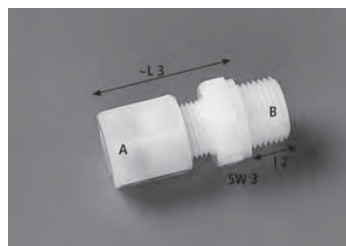
Straight connector for pipe (Series 2N) with male G-thread

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A(D)	B(G)	l2	-L3	SW3
1/4"	3/8"	12	37.5	22
1/4"	1/2"	14	40	27
3/8"	1/8"	8	38.5	19
3/8"	1/4"	12	39	19
3/8"	3/8"	12	39.5	22
3/8"	1/2"	14	42	27
1/2"	1/8"	8	42.5	22
1/2"	1/4"	12	43	22
1/2"	3/8"	12	43.5	22
1/2"	1/2"	14	46	27
3/4"	1/4"	12	49	32
3/4"	3/8"	12	49.5	32
3/4"	1/2"	14	50	32
3/4"	3/4"	16	50	32

Straight connector for pipe (Series 2N) with male M-thread

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Article-Nr	Connection A	Connection B	Material
2N100MM0505PP	D1/4"	M5	PP
2N100MM3805PP	D04	M5	PP
2N100MM3806PP	D04	M6	PP
2N100MM3811PF	D04	M10x1	PFA
2N100MM3811PP	D04	M10x1	PP
2N100MM3811PT	D04	M10x1	PTFE
2N100MM3811PV	D04	M10x1	PVDF
2N100MM3812PT	D04	M10x1,5	PTFE
2N100MM3812PV	D04	M10x1,5	PVDF
2N100MM3905PP	D05	M5	PP
2N100MM3909PP	D05	M8x1	PP
2N100MM3911PP	D05	M10x1	PP
2N100MM4008PF	D06	M8	PFA
2N100MM4011PF	D06	M10x1	PFA
2N100MM4011PP	D06	M10x1	PP
2N100MM4011PT	D06	M10x1	PTFE
2N100MM4011PV	D06	M10x1	PVDF
2N100MM4012PT	D06	M10x1,5	PTFE
2N100MM4012PV	D06	M10x1,5	PVDF
2N100MM4014PT	D06	M12x1	PTFE
2N100MM4014PTFP	D06	M12x1	PTFE/FPM
2N100MM4015PT	D06	M12x1,5	PTFE
2N100MM4015PV	D06	M12x1,5	PVDF
2N100MM4017PV	D06	M14x1,5	PVDF
2N100MM4019PP	D06	M16x1,5	PP
2N100MM4019PT	D06	M16x1,5	PTFE
2N100MM4311PP	D08	M10x1	PP
2N100MM4311PT	D08	M10x1	PTFE
2N100MM4311PV	D08	M10x1	PVDF
2N100MM4312PP	D08	M10x1,5	PP
2N100MM4312PT	D08	M10x1,5	PTFE
2N100MM4312PTFP	D08	M10x1,5	PTFE/FPM
2N100MM4315PP	D08	M12x1,5	PP
2N100MM4317PK	D08	M14x1,5	PEEK
2N100MM4317PP	D08	M14x1,5	PP
2N100MM4319PP	D08	M16x1,5	PP
2N100MM4319PT	D08	M16x1,5	PTFE
2N100MM4319PV	D08	M16x1,5	PVDF
2N100MM4321PV	D08	M18x1,5	PVDF
2N100MM4323PT	D08	M20x1,5	PTFE
2N100MM4511PP	D10	M10x1	PP
2N100MM4511PV	D10	M10x1	PVDF
2N100MM4512PV	D10	M10x1,5	PVDF
2N100MM4515PP	D10	M12x1,5	PP
2N100MM4515PT	D10	M12x1,5	PTFE
2N100MM4515PV	D10	M12x1,5	PVDF
2N100MM4517PN	D10	M14x1,5	PP-NATUR
2N100MM4519PF	D10	M16x1,5	PFA
2N100MM4519PP	D10	M16x1,5	PP
2N100MM4519PT	D10	M16x1,5	PTFE
2N100MM4519PV	D10	M16x1,5	PVDF
2N100MM4521PP	D10	M18x1,5	PP
2N100MM4811PV	D12	M10x1	PVDF
2N100MM4817PN	D12	M14x1,5	PP-NATUR
2N100MM4819PP	D12	M16x1,5	PP
2N100MM4821PT	D12	M18x1,5	PTFE
2N100MM4823PP	D12	M20x1,5	PP
2N100MM4823PT	D12	M20x1,5	PTFE
2N100MM4824PT	D12	M22x1,5	PTFE
2N100MM5123PP	D14	M20x1,5	PP
2N100MM5123PT	D14	M20x1,5	PTFE
2N100MM5123PV	D14	M20x1,5	PVDF

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Straight connector for pipe (Series 2N) with male M-thread

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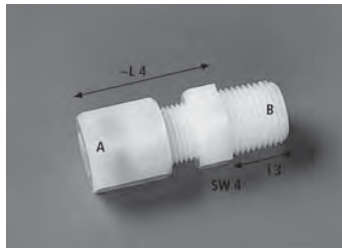
Article-Nr	Connection A	Connection B	Material
2N100MM5319PV	D16	M16x1,5	PVDF
2N100MM5323PV	D16	M20x1,5	PVDF
2N100MM5523PT	D18	M20x1,5	PTFE
2N100MM5721PP	D20	M18x1,5	PP
2N100MM5721PV	D20	M18x1,5	PVDF

Dimensions 2N100MM. . .

A(D)	B(M)	l2	~L3	SW3
4	10x1	8	22.5	14
4	10x1,5	8	22.5	14
4	12x1,5	12	24	17
4	14x1,5	12	25.5	19
4	16x1,5	12	25.5	22
4	18x1,5	12	27	24
6	10x1	8	33.5	14
6	10x1,5	8	33.5	14
6	12x1,5	12	35	17
6	14x1,5	12	36.5	19
6	16x1,5	12	36.5	22
6	18x1,5	12	38	24
8	10x1	8	34.5	17
8	10x1,5	8	34.5	17
8	12x1,5	12	35	17
8	14x1,5	12	36.5	19
8	16x1,5	12	36.5	22
8	18x1,5	12	38	24
10	10x1	8	38.5	19
10	10x1,5	8	38.5	19
10	12x1,5	12	39	19
10	14x1,5	12	39.5	19
10	16x1,5	12	39.5	22
10	18x1,5	12	41	24
12	12x1,5	12	42	22
12	14x1,5	12	42.5	22
12	16x1,5	12	42.5	22
12	18x1,5	12	44	24
14	12x1,5	12	44	27
14	14x1,5	12	44.5	27
14	16x1,5	12	44.5	27
14	18x1,5	12	45	27
14	20x1,5	14	45	27
15	12x1,5	12	44	27
15	14x1,5	12	44.5	27
15	16x1,5	12	44.5	27
15	18x1,5	12	45	27
15	20x1,5	14	45	27
16	12x1,5	12	44	27
16	14x1,5	12	44.5	27
16	16x1,5	12	4.5	27
16	18x1,5	12	45	27
16	20x1,5	14	45	27
18	12x1,5	12	53	32
18	14x1,5	12	53.5	32
18	16x1,5	12	53.5	32
18	18x1,5	12	54	32
18	20x1,5	14	54	32

Straight connector for pipe (Series 2N) with male NPT-thread

2



Article-Nr	Connection A	Connection B	Material
2N100MN0312PF	D1/8"	NPT1/2"	PFA
2N100MN0314PF	D1/8"	NPT1/4"	PFA
2N100MN0314PK	D1/8"	NPT1/4"	PEEK
2N100MN0314PP	D1/8"	NPT1/4"	PP
2N100MN0314PT	D1/8"	NPT1/4"	PTFE
2N100MN0314PV	D1/8"	NPT1/4"	PVDF
2N100MN0318PF	D1/8"	NPT1/8"	PFA
2N100MN0318PN	D1/8"	NPT1/8"	PP-NATUR
2N100MN0318PP	D1/8"	NPT1/8"	PP
2N100MN0318PT	D1/8"	NPT1/8"	PTFE
2N100MN0318PV	D1/8"	NPT1/8"	PVDF
2N100MN0414PT	D3/16"	NPT1/4"	PTFE
2N100MN0512PF	D1/4"	NPT1/2"	PFA
2N100MN0512PP	D1/4"	NPT1/2"	PP
2N100MN0512PT	D1/4"	NPT1/2"	PTFE
2N100MN0512PV	D1/4"	NPT1/2"	PVDF
2N100MN0514PF	D1/4"	NPT1/4"	PFA
2N100MN0514PP	D1/4"	NPT1/4"	PP
2N100MN0514PT	D1/4"	NPT1/4"	PTFE
2N100MN0514PV	D1/4"	NPT1/4"	PVDF
2N100MN0518PF	D1/4"	NPT1/8"	PFA
2N100MN0518PN	D1/4"	NPT1/8"	PP-NATUR
2N100MN0518PP	D1/4"	NPT1/8"	PP
2N100MN0518PT	D1/4"	NPT1/8"	PTFE
2N100MN0518PV	D1/4"	NPT1/8"	PVDF
2N100MN0534PF	D1/4"	NPT3/4"	PFA
2N100MN0538PF	D1/4"	NPT3/8"	PFA
2N100MN0538PP	D1/4"	NPT3/8"	PP
2N100MN0538PT	D1/4"	NPT3/8"	PTFE
2N100MN0538PV	D1/4"	NPT3/8"	PVDF
2N100MN0914PP	D5/16"	NPT1/4"	PP
2N100MN11100PV	D3/8"	NPT1"	PVDF
2N100MN1112PF	D3/8"	NPT1/2"	PFA
2N100MN1112PN	D3/8"	NPT1/2"	PP-NATUR
2N100MN1112PP	D3/8"	NPT1/2"	PP
2N100MN1112PT	D3/8"	NPT1/2"	PTFE
2N100MN1112PV	D3/8"	NPT1/2"	PVDF
2N100MN1114PF	D3/8"	NPT1/4"	PFA
2N100MN1114PP	D3/8"	NPT1/4"	PP
2N100MN1114PT	D3/8"	NPT1/4"	PTFE
2N100MN1114PV	D3/8"	NPT1/4"	PVDF
2N100MN1118PP	D3/8"	NPT1/8"	PP
2N100MN1118PT	D3/8"	NPT1/8"	PTFE
2N100MN1118PV	D3/8"	NPT1/8"	PVDF
2N100MN1138PF	D3/8"	NPT3/8"	PFA
2N100MN1138PP	D3/8"	NPT3/8"	PP
2N100MN1138PV	D3/8"	NPT3/8"	PVDF
2N100MN1512PF	D1/2"	NPT1/2"	PFA
2N100MN1512PP	D1/2"	NPT1/2"	PP
2N100MN1512PT	D1/2"	NPT1/2"	PTFE
2N100MN1512PV	D1/2"	NPT1/2"	PVDF
2N100MN1514PF	D1/2"	NPT1/4"	PFA
2N100MN1514PP	D1/2"	NPT1/4"	PP
2N100MN1514PT	D1/2"	NPT1/4"	PTFE
2N100MN1514PV	D1/2"	NPT1/4"	PVDF
2N100MN1518PP	D1/2"	NPT1/8"	PP
2N100MN1518PV	D1/2"	NPT1/8"	PVDF
2N100MN1534PF	D1/2"	NPT3/4"	PFA
2N100MN1538PF	D1/2"	NPT3/8"	PFA
2N100MN1538PP	D1/2"	NPT3/8"	PP
2N100MN1538PV	D1/2"	NPT3/8"	PVDF
2N100MN2012PP	D3/4"	NPT1/2"	PP

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Straight connector for pipe (Series 2N) with male NPT-thread

2

Article-Nr	Connection A	Connection B	Material
2N100MN2012PV	D3/4"	NPT1/2"	PVDF
2N100MN2034PT	D3/4"	NPT3/4"	PTFE
2N100MN2034PV	D3/4"	NPT3/4"	PVDF
2N100MN3812PP	D04	NPT1/2"	PP
2N100MN3812PT	D04	NPT1/2"	PTFE
2N100MN3812PV	D04	NPT1/2"	PVDF
2N100MN3814PF	D04	NPT1/4"	PFA
2N100MN3814PK	D04	NPT1/4"	PEEK
2N100MN3814PN	D04	NPT1/4"	PP-NATUR
2N100MN3814PP	D04	NPT1/4"	PP
2N100MN3814PT	D04	NPT1/4"	PTFE
2N100MN3814PV	D04	NPT1/4"	PVDF
2N100MN3818PF	D04	NPT1/8"	PFA
2N100MN3818PK	D04	NPT1/8"	PEEK
2N100MN3818PN	D04	NPT1/8"	PP-NATUR
2N100MN3818PP	D04	NPT1/8"	PP
2N100MN3818PT	D04	NPT1/8"	PTFE
2N100MN3818PV	D04	NPT1/8"	PVDF
2N100MN3838PP	D04	NPT3/8"	PP
2N100MN3838PV	D04	NPT3/8"	PVDF
2N100MN4012PF	D06	NPT1/2"	PFA
2N100MN4012PK	D06	NPT1/2"	PEEK
2N100MN4012PP	D06	NPT1/2"	PP
2N100MN4012PT	D06	NPT1/2"	PTFE
2N100MN4012PV	D06	NPT1/2"	PVDF
2N100MN4014PF	D06	NPT1/4"	PFA
2N100MN4014PP	D06	NPT1/4"	PP
2N100MN4014PT	D06	NPT1/4"	PTFE
2N100MN4014PV	D06	NPT1/4"	PVDF
2N100MN4018PF	D06	NPT1/8"	PFA
2N100MN4018PK	D06	NPT1/8"	PEEK
2N100MN4018PP	D06	NPT1/8"	PP
2N100MN4018PT	D06	NPT1/8"	PTFE
2N100MN4018PV	D06	NPT1/8"	PVDF
2N100MN4034PV	D06	NPT3/4"	PVDF
2N100MN4038PF	D06	NPT3/8"	PFA
2N100MN4038PK	D06	NPT3/8"	PEEK
2N100MN4038PP	D06	NPT3/8"	PP
2N100MN4038PT	D06	NPT3/8"	PTFE
2N100MN4038PV	D06	NPT3/8"	PVDF
2N100MN4312PF	D08	NPT1/2"	PFA
2N100MN4312PK	D08	NPT1/2"	PEEK
2N100MN4312PP	D08	NPT1/2"	PP
2N100MN4312PT	D08	NPT1/2"	PTFE
2N100MN4312PV	D08	NPT1/2"	PVDF
2N100MN4314PF	D08	NPT1/4"	PFA
2N100MN4314PN	D08	NPT1/4"	PP-NATUR
2N100MN4314PP	D08	NPT1/4"	PP
2N100MN4314PT	D08	NPT1/4"	PTFE
2N100MN4314PV	D08	NPT1/4"	PVDF
2N100MN4318PF	D08	NPT1/8"	PFA
2N100MN4318PK	D08	NPT1/8"	PEEK
2N100MN4318PP	D08	NPT1/8"	PP
2N100MN4318PT	D08	NPT1/8"	PTFE
2N100MN4318PV	D08	NPT1/8"	PVDF
2N100MN4338PF	D08	NPT3/8"	PFA
2N100MN4338PK	D08	NPT3/8"	PEEK
2N100MN4338PP	D08	NPT3/8"	PP
2N100MN4338PT	D08	NPT3/8"	PTFE
2N100MN4338PV	D08	NPT3/8"	PVDF
2N100MN4512PF	D10	NPT1/2"	PFA
2N100MN4512PK	D10	NPT1/2"	PEEK

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Straight connector for pipe (Series 2N) with male NPT-thread

2

Article-Nr	Connection A	Connection B	Material
2N100MN4512PP	D10	NPT1/2"	PP
2N100MN4512PT	D10	NPT1/2"	PTFE
2N100MN4512PV	D10	NPT1/2"	PVDF
2N100MN4514PF	D10	NPT1/4"	PFA
2N100MN4514PP	D10	NPT1/4"	PP
2N100MN4514PT	D10	NPT1/4"	PTFE
2N100MN4514PV	D10	NPT1/4"	PVDF
2N100MN4514PVEL	D10	NPT1/4"	PVDF-EL
2N100MN4518PK	D10	NPT1/8"	PEEK
2N100MN4518PP	D10	NPT1/8"	PP
2N100MN4518PT	D10	NPT1/8"	PTFE
2N100MN4518PV	D10	NPT1/8"	PVDF
2N100MN4534PP	D10	NPT3/4"	PP
2N100MN4538PF	D10	NPT3/8"	PFA
2N100MN4538PK	D10	NPT3/8"	PEEK
2N100MN4538PP	D10	NPT3/8"	PP
2N100MN4538PT	D10	NPT3/8"	PTFE
2N100MN4538PV	D10	NPT3/8"	PVDF
2N100MN48100PT	D12	NPT1"	PTFE
2N100MN48112PP	D12	NPT1 1/2"	PP
2N100MN48114PP	D12	NPT1 1/4"	PP
2N100MN4812PF	D12	NPT1/2"	PFA
2N100MN4812PP	D12	NPT1/2"	PP
2N100MN4812PT	D12	NPT1/2"	PTFE
2N100MN4812PV	D12	NPT1/2"	PVDF
2N100MN4814PF	D12	NPT1/4"	PFA
2N100MN4814PN	D12	NPT1/4"	PP-NATUR
2N100MN4814PP	D12	NPT1/4"	PP
2N100MN4814PT	D12	NPT1/4"	PTFE
2N100MN4814PV	D12	NPT1/4"	PVDF
2N100MN4818PP	D12	NPT1/8"	PP
2N100MN4818PT	D12	NPT1/8"	PTFE
2N100MN4818PV	D12	NPT1/8"	PVDF
2N100MN4834PF	D12	NPT3/4"	PFA
2N100MN4834PP	D12	NPT3/4"	PP
2N100MN4834PV	D12	NPT3/4"	PVDF
2N100MN4838PF	D12	NPT3/8"	PFA
2N100MN4838PK	D12	NPT3/8"	PEEK
2N100MN4838PP	D12	NPT3/8"	PP
2N100MN4838PT	D12	NPT3/8"	PTFE
2N100MN4838PV	D12	NPT3/8"	PVDF
2N100MN5112PF	D14	NPT1/2"	PFA
2N100MN5112PK	D14	NPT1/2"	PEEK
2N100MN5112PP	D14	NPT1/2"	PP
2N100MN5112PT	D14	NPT1/2"	PTFE
2N100MN5112PV	D14	NPT1/2"	PVDF
2N100MN5114PK	D14	NPT1/4"	PEEK
2N100MN5114PP	D14	NPT1/4"	PP
2N100MN5114PT	D14	NPT1/4"	PTFE
2N100MN5114PV	D14	NPT1/4"	PVDF
2N100MN5118PP	D14	NPT1/8"	PP
2N100MN5118PT	D14	NPT1/8"	PTFE
2N100MN5118PV	D14	NPT1/8"	PVDF
2N100MN5138PK	D14	NPT3/8"	PEEK
2N100MN5138PP	D14	NPT3/8"	PP
2N100MN5138PT	D14	NPT3/8"	PTFE
2N100MN5138PV	D14	NPT3/8"	PVDF
2N100MN5238PV	D15	NPT3/8"	PVDF
2N100MN5312PP	D16	NPT1/2"	PP
2N100MN5312PT	D16	NPT1/2"	PTFE
2N100MN5312PV	D16	NPT1/2"	PVDF
2N100MN5314PP	D16	NPT1/4"	PP

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Straight connector for pipe (Series 2N) with male NPT-thread

2

Article-Nr	Connection A	Connection B	Material
2N100MN5314PT	D16	NPT1/4"	PTFE
2N100MN5314PV	D16	NPT1/4"	PVDF
2N100MN5334PT	D16	NPT3/4"	PTFE
2N100MN5338PP	D16	NPT3/8"	PP
2N100MN5338PT	D16	NPT3/8"	PTFE
2N100MN5338PV	D16	NPT3/8"	PVDF
2N100MN55114PP	D18	NPT11/4"	PP
2N100MN5512PP	D18	NPT1/2"	PP
2N100MN5512PT	D18	NPT1/2"	PTFE
2N100MN5512PV	D18	NPT1/2"	PVDF
2N100MN5534PF	D18	NPT3/4"	PFA
2N100MN5712PP	D20	NPT1/2"	PP
2N100MN5712PT	D20	NPT1/2"	PTFE
2N100MN5712PV	D20	NPT1/2"	PVDF
2N100MN5734PP	D20	NPT3/4"	PP
2N100MN5734PT	D20	NPT3/4"	PTFE
2N100MN5734PV	D20	NPT3/4"	PVDF
2N100MN5738PP	D20	NPT3/8"	PP
2N100MN5738PT	D20	NPT3/8"	PTFE
2N100MN59100PP	D22	NPT1"	PP
2N100MN59112PP	D22	NPT11/2"	PP
2N100MN5912PP	D22	NPT1/2"	PP
2N100MN5912PV	D22	NPT1/2"	PVDF
2N100MN61100PP	D25	NPT1"	PP
2N100MN61100PT	D25	NPT1"	PTFE
2N100MN6112PP	D25	NPT1/2"	PP
2N100MN6112PV	D25	NPT1/2"	PVDF
2N100MN6134PP	D25	NPT3/4"	PP

Dimensions 2N100MN...

A(D)	B(NPT)	l3	~L4	SW4
4	1/8"	10	21	12
4	1/4"	15	22	17
4	3/8"	15.3	23	19
4	1/2"	20	24	24
6	1/8"	10	32	14
6	1/4"	15	33	17
6	3/8"	15.3	34	19
6	1/2"	20	35	24
8	1/8"	10	35	17
8	1/4"	15	33	17
8	3/8"	15.3	34	19
8	1/2"	20	35	24
10	1/8"	10	37	19
10	1/4"	15	37	19
10	3/8"	15.3	37	22
10	1/2"	20	38	24
12	1/8"	10	40	22
12	1/4"	15	40	22
12	3/8"	15.3	40	22
12	1/2"	20	41	24
14	1/8"	10	41	24
14	1/4"	15	41	24
14	3/8"	15.3	41	24
14	1/2"	20	41	24
15	1/8"	10	41	24
15	1/4"	15	41	24
15	3/8"	15.3	41	24
15	1/2"	20	42	27
16	1/4"	15	42	27
16	3/8"	15.3	42	27

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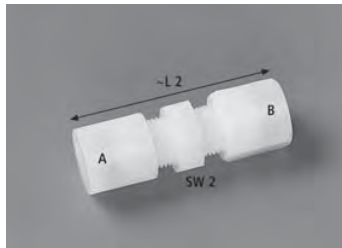
Straight connector for pipe (Series 2N) with male NPT-thread

2

A(D)	B(NPT)	I3	-L4	SW4
16	1/2"	20	42	27
18	1/4"	15	51	32
18	3/8"	15.3	51	32
18	1/2"	20	51	32
20	1/4"	15	51	32
20	3/8"	15.3	51	32
20	1/2"	20	51	32
20	3/4"	20	51	32
22	3/8"	15.3	54	32
22	1/2"	20	54	32
22	3/4"	20	54	32
22	1"	25	56	36
25	1/2"	20	57	36
25	3/4"	20	57	36
25	1"	25	57	36
1/8"	1/8"	10	24	12
1/8"	1/4"	15	25	17
1/8"	3/8"	15.3	26	19
1/8"	1/2"	20	27	24
1/4"	1/8"	10	33	14
1/4"	1/4"	15	34	17
1/4"	3/8"	15.3	35	19
1/4"	1/2"	20	36	24
3/8"	1/8"	10	37	19
3/8"	1/4"	15	37	19
3/8"	3/8"	15.3	37	22
3/8"	1/2"	20	38	24
1/2"	1/8"	10	41	22
1/2"	1/4"	15	41	22
1/2"	3/8"	15.3	41	22
1/2"	1/2"	20	42	24
3/4"	1/4"	15	47	32
3/4"	3/8"	15.3	47	32
3/4"	1/2"	20	47	32
3/4"	3/4"	20	47	32

Straight union for pipe on both ends (Series 2N)

2



Article-Nr	Connection A	Connection B	Material
2N100P03PF	D1/8"	D1/8"	PFA
2N100P03PK	D1/8"	D1/8"	PEEK
2N100P03PN	D1/8"	D1/8"	PP-NATUR
2N100P03PP	D1/8"	D1/8"	PP
2N100P03PT	D1/8"	D1/8"	PTFE
2N100P03PV	D1/8"	D1/8"	PVDF
2N100P0503PF	D1/4"	D1/8"	PFA
2N100P0503PP	D1/4"	D1/8"	PP
2N100P0503PT	D1/4"	D1/8"	PTFE
2N100P0503PV	D1/4"	D1/8"	PVDF
2N100P0504PV	D1/4"	D3/16"	PVDF
2N100P05PF	D1/4"	D1/4"	PFA
2N100P05PP	D1/4"	D1/4"	PP
2N100P05PT	D1/4"	D1/4"	PTFE
2N100P05PV	D1/4"	D1/4"	PVDF
2N100P1103PF	D3/8"	D1/8"	PFA
2N100P1103PP	D3/8"	D1/8"	PP
2N100P1105PF	D3/8"	D1/4"	PFA
2N100P1105PP	D3/8"	D1/4"	PP
2N100P1105PT	D3/8"	D1/4"	PTFE
2N100P1105PV	D3/8"	D1/4"	PVDF
2N100P11PF	D3/8"	D3/8"	PFA
2N100P11PP	D3/8"	D3/8"	PP
2N100P11PT	D3/8"	D3/8"	PTFE
2N100P11PV	D3/8"	D3/8"	PVDF
2N100P1503PT	D1/2"	D1/8"	PTFE
2N100P1505PF	D1/2"	D1/4"	PFA
2N100P1505PP	D1/2"	D1/4"	PP
2N100P1505PT	D1/2"	D1/4"	PTFE
2N100P1505PV	D1/2"	D1/4"	PVDF
2N100P1511PT	D1/2"	D3/8"	PTFE
2N100P1511PV	D1/2"	D3/8"	PVDF
2N100P15PF	D1/2"	D1/2"	PFA
2N100P15PP	D1/2"	D1/2"	PP
2N100P15PT	D1/2"	D1/2"	PTFE
2N100P15PV	D1/2"	D1/2"	PVDF
2N100P16PT	D5/8"	D5/8"	PTFE
2N100P20PP	D3/4"	D3/4"	PP
2N100P20PT	D3/4"	D3/4"	PTFE
2N100P20PV	D3/4"	D3/4"	PVDF
2N100P3803PP	D04	D1/8"	PP
2N100P3803PT	D04	D1/8"	PTFE
2N100P3803PV	D04	D1/8"	PVDF
2N100P3805PF	D04	D1/4"	PFA
2N100P3805PP	D04	D1/4"	PP
2N100P3805PT	D04	D1/4"	PTFE
2N100P3805PV	D04	D1/4"	PVDF
2N100P38PF	D04	D04	PFA
2N100P38PK	D04	D04	PEEK
2N100P38PN	D04	D04	PP-NATUR
2N100P38PP	D04	D04	PP
2N100P38PT	D04	D04	PTFE
2N100P38PV	D04	D04	PVDF
2N100P4003PF	D06	D1/8"	PFA
2N100P4003PP	D06	D1/8"	PP
2N100P4003PT	D06	D1/8"	PTFE
2N100P4003PV	D06	D1/8"	PVDF
2N100P4005PF	D06	D1/4"	PFA
2N100P4005PP	D06	D1/4"	PP
2N100P4005PT	D06	D1/4"	PTFE
2N100P4005PV	D06	D1/4"	PVDF
2N100P4011PP	D06	D3/8"	PP

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Article-Nr	Connection A	Connection B	Material
2N100P4011PT	D06	D3/8"	PTFE
2N100P4011PV	D06	D3/8"	PVDF
2N100P4015PF	D06	D1/2"	PFA
2N100P4015PT	D06	D1/2"	PTFE
2N100P4015PV	D06	D1/2"	PVDF
2N100P4038PF	D06	D04	PFA
2N100P4038PN	D06	D04	PP-NATUR
2N100P4038PP	D06	D04	PP
2N100P4038PT	D06	D04	PTFE
2N100P4038PV	D06	D04	PVDF
2N100P40PF	D06	D06	PFA
2N100P40PK	D06	D06	PEEK
2N100P40PP	D06	D06	PP
2N100P40PT	D06	D06	PTFE
2N100P40PV	D06	D06	PVDF
2N100P4303PP	D08	D1/8"	PP
2N100P4303PT	D08	D1/8"	PTFE
2N100P4303PV	D08	D1/8"	PVDF
2N100P4305PF	D08	D1/4"	PFA
2N100P4305PP	D08	D1/4"	PP
2N100P4305PT	D08	D1/4"	PTFE
2N100P4305PV	D08	D1/4"	PVDF
2N100P4311PT	D08	D3/8"	PTFE
2N100P4311PV	D08	D3/8"	PVDF
2N100P4338PF	D08	D04	PFA
2N100P4338PP	D08	D04	PP
2N100P4338PT	D08	D04	PTFE
2N100P4338PV	D08	D04	PVDF
2N100P4340PF	D08	D06	PFA
2N100P4340PK	D08	D06	PEEK
2N100P4340PN	D08	D06	PP-NATUR
2N100P4340PP	D08	D06	PP
2N100P4340PT	D08	D06	PTFE
2N100P4340PV	D08	D06	PVDF
2N100P43PF	D08	D08	PFA
2N100P43PK	D08	D08	PEEK
2N100P43PP	D08	D08	PP
2N100P43PT	D08	D08	PTFE
2N100P43PV	D08	D08	PVDF
2N100P4503PV	D10	D1/8"	PVDF
2N100P4505PT	D10	D1/4"	PTFE
2N100P4505PV	D10	D1/4"	PVDF
2N100P4511PP	D10	D3/8"	PP
2N100P4515PF	D10	D1/2"	PFA
2N100P4538PP	D10	D04	PP
2N100P4538PT	D10	D04	PTFE
2N100P4538PV	D10	D04	PVDF
2N100P4540PF	D10	D06	PFA
2N100P4540PK	D10	D06	PEEK
2N100P4540PP	D10	D06	PP
2N100P4540PT	D10	D06	PTFE
2N100P4540PV	D10	D06	PVDF
2N100P4543PF	D10	D08	PFA
2N100P4543PP	D10	D08	PP
2N100P4543PT	D10	D08	PTFE
2N100P4543PV	D10	D08	PVDF
2N100P45PF	D10	D10	PFA
2N100P45PK	D10	D10	PEEK
2N100P45PP	D10	D10	PP
2N100P45PT	D10	D10	PTFE
2N100P45PV	D10	D10	PVDF
2N100P4815PF	D12	D1/2"	PFA

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Article-Nr	Connection A	Connection B	Material
2N100P4838PP	D12	D04	PP
2N100P4840PF	D12	D06	PFA
2N100P4840PP	D12	D06	PP
2N100P4840PT	D12	D06	PTFE
2N100P4840PV	D12	D06	PVDF
2N100P4843PF	D12	D08	PFA
2N100P4843PP	D12	D08	PP
2N100P4843PT	D12	D08	PTFE
2N100P4843PV	D12	D08	PVDF
2N100P4845PF	D12	D10	PFA
2N100P4845PP	D12	D10	PP
2N100P4845PT	D12	D10	PTFE
2N100P4845PV	D12	D10	PVDF
2N100P48PF	D12	D12	PFA
2N100P48PK	D12	D12	PEEK
2N100P48PP	D12	D12	PP
2N100P48PT	D12	D12	PTFE
2N100P48PV	D12	D12	PVDF
2N100P5111PP	D14	D3/8"	PP
2N100P5115PP	D14	D1/2"	PP
2N100P5140PT	D14	D06	PTFE
2N100P5143PT	D14	D08	PTFE
2N100P5143PV	D14	D08	PVDF
2N100P5145PP	D14	D10	PP
2N100P5148PP	D14	D12	PP
2N100P5148PT	D14	D12	PTFE
2N100P51PF	D14	D14	PFA
2N100P51PK	D14	D14	PEEK
2N100P51PP	D14	D14	PP
2N100P51PT	D14	D14	PTFE
2N100P51PV	D14	D14	PVDF
2N100P52PV	D15	D15	PVDF
2N100P5311PV	D16	D3/8"	PVDF
2N100P5343PT	D16	D08	PTFE
2N100P5345PT	D16	D10	PTFE
2N100P5345PV	D16	D10	PVDF
2N100P5348PT	D16	D12	PTFE
2N100P5348PV	D16	D12	PVDF
2N100P53PF	D16	D16	PFA
2N100P53PP	D16	D16	PP
2N100P53PT	D16	D16	PTFE
2N100P53PV	D16	D16	PVDF
2N100P5515PP	D18	D1/2"	PP
2N100P5548PT	D18	D12	PTFE
2N100P5548PV	D18	D12	PVDF
2N100P5551PT	D18	D14	PTFE
2N100P5553PT	D18	D16	PTFE
2N100P55PF	D18	D18	PFA
2N100P55PP	D18	D18	PP
2N100P55PT	D18	D18	PTFE
2N100P55PV	D18	D18	PVDF
2N100P5753PV	D20	D16	PVDF
2N100P5755PT	D20	D18	PTFE
2N100P57PF	D20	D20	PFA
2N100P57PN	D20	D20	PP-NATUR
2N100P57PP	D20	D20	PP
2N100P57PT	D20	D20	PTFE
2N100P57PV	D20	D20	PVDF
2N100P5961PV	D22	D25	PVDF
2N100P59PP	D22	D22	PP
2N100P59PT	D22	D22	PTFE
2N100P59PV	D22	D22	PVDF

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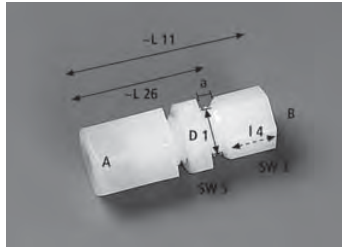
Article-Nr	Connection A	Connection B	Material
2N100P6157PP	D25	D20	PP
2N100P61PP	D25	D25	PP
2N100P61PT	D25	D25	PTFE
2N100P61PV	D25	D25	PVDF

Dimensions 2N100P . . .

A(D)	B(D)	~L2	SW2
4	4	37	14
6	6	60	17
8	8	60	19
10	10	66	19
12	12	73	22
14	14	75	27
15	15	75	27
16	16	76	30
18	18	88	30
20	20	88	30
22	22	100	36
25	25	104	43
1/8"	1/8"	43	12
1/4"	1/4"	62	17
3/8"	3/8"	67	22
1/2"	1/2"	76	24
3/4"	3/4"	80	32

Straight bulkhead connector for pipe (Series 2N) with female G-thread

2



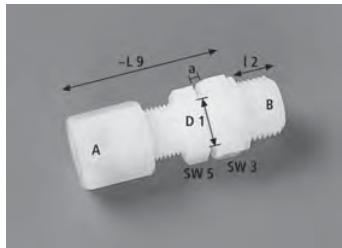
Article-Nr	Connection A	Connection B	Material
2N101FG0314PT	D1/8"	G1/4"	PTFE
2N101FG0538PT	D1/4"	G3/8"	PTFE
2N101FG3818PV	D04	G1/8"	PVDF
2N101FG4012PV	D06	G1/2"	PVDF
2N101FG4014PF	D06	G1/4"	PFA
2N101FG4014PP	D06	G1/4"	PP
2N101FG4014PV	D06	G1/4"	PVDF
2N101FG4018PT	D06	G1/8"	PTFE
2N101FG4018PV	D06	G1/8"	PVDF
2N101FG4312PV	D08	G1/2"	PVDF
2N101FG4314PP	D08	G1/4"	PP
2N101FG4314PV	D08	G1/4"	PVDF
2N101FG4512PV	D10	G1/2"	PVDF
2N101FG4514PV	D10	G1/4"	PVDF
2N101FG4538PP	D10	G3/8"	PP
2N101FG4812PP	D12	G1/2"	PP
2N101FG4812PV	D12	G1/2"	PVDF
2N101FG4814PV	D12	G1/4"	PVDF
2N101FG4838PP	D12	G3/8"	PP
2N101FG5112PP	D14	G1/2"	PP
2N101FG5312PP	D16	G1/2"	PP

Dimensions 2N101FG...

A(D)	B(G)	I4	~L11	~L26	SW3	SW5	ØD1	a
4	1/8"	10	42	29	14	14	8.5	9
4	1/4"	15	47	29	17	14	8.5	9
4	3/8"	15	47	29	22	14	8.5	9
6	1/8"	10	55	42	14	17	12.5	9
6	1/4"	15	60	42	17	17	12.5	9
6	3/8"	15	60	42	22	17	12.5	9
6	1/2"	16	61	42	27	17	12.5	9
8	1/8"	10	55	42	17	19	14.5	9
8	1/4"	15	60	42	17	19	14.5	9
8	3/8"	15	60	42	22	19	14.5	9
8	1/2"	16	61	42	27	19	14.5	9
10	1/4"	15	65	47	19	22	16.5	10
10	3/8"	15	65	47	22	22	16.5	10
10	1/2"	16	66	47	27	22	16.5	10
12	1/4"	15	71	53	22	24	18.5	12
12	3/8"	15	71	53	22	24	18.5	12
12	1/2"	16	72	53	27	24	18.5	12
1/8"	1/8"	10	45	32	14	14	8.5	9
1/8"	1/4"	15	50	32	17	14	8.5	9
1/8"	3/8"	15	50	32	22	14	8.5	9
1/4"	1/8"	10	56	43	14	17	12.5	9
1/4"	1/4"	15	61	43	17	17	12.5	9
1/4"	3/8"	15	61	43	22	17	12.5	9
1/4"	1/2"	16	62	43	27	17	12.5	9
3/8"	1/4"	15	66	47	19	22	16.5	10
3/8"	3/8"	15	66	47	22	22	16.5	10
3/8"	1/2"	16	67	47	27	22	16.5	10
1/2"	1/4"	15	72	54	22	24	18.5	12
1/2"	3/8"	15	72	54	22	24	18.5	12
1/2"	1/2"	16	73	54	27	24	18.5	12

**Straight bulkhead connector for pipe (Series 2N)
with male G-thread**

2



Article-Nr	Connection A	Connection B	Material
2N101MG1512PF	D1/2"	G1/2"	PFA
2N101MG3812PP	D04	G1/2"	PP
2N101MG3812PT	D04	G1/2"	PTFE
2N101MG3812PV	D04	G1/2"	PVDF
2N101MG3814PP	D04	G1/4"	PP
2N101MG3814PT	D04	G1/4"	PTFE
2N101MG3814PV	D04	G1/4"	PVDF
2N101MG3818PP	D04	G1/8"	PP
2N101MG3818PT	D04	G1/8"	PTFE
2N101MG3818PV	D04	G1/8"	PVDF
2N101MG3838PP	D04	G3/8"	PP
2N101MG3838PT	D04	G3/8"	PTFE
2N101MG3838PV	D04	G3/8"	PVDF
2N101MG4012PP	D06	G1/2"	PP
2N101MG4012PT	D06	G1/2"	PTFE
2N101MG4012PV	D06	G1/2"	PVDF
2N101MG4014PF	D06	G1/4"	PFA
2N101MG4014PK	D06	G1/4"	PEEK
2N101MG4014PP	D06	G1/4"	PP
2N101MG4014PT	D06	G1/4"	PTFE
2N101MG4014PV	D06	G1/4"	PVDF
2N101MG4018PP	D06	G1/8"	PP
2N101MG4018PT	D06	G1/8"	PTFE
2N101MG4018PV	D06	G1/8"	PVDF
2N101MG4018PVFP	D06	G1/8"	PVDF/FPM
2N101MG4038PP	D06	G3/8"	PP
2N101MG4038PT	D06	G3/8"	PTFE
2N101MG4038PV	D06	G3/8"	PVDF
2N101MG4312PP	D08	G1/2"	PP
2N101MG4312PT	D08	G1/2"	PTFE
2N101MG4312PV	D08	G1/2"	PVDF
2N101MG4314PP	D08	G1/4"	PP
2N101MG4314PT	D08	G1/4"	PTFE
2N101MG4314PV	D08	G1/4"	PVDF
2N101MG4318PP	D08	G1/8"	PP
2N101MG4318PT	D08	G1/8"	PTFE
2N101MG4318PV	D08	G1/8"	PVDF
2N101MG4338PP	D08	G3/8"	PP
2N101MG4338PT	D08	G3/8"	PTFE
2N101MG4338PV	D08	G3/8"	PVDF
2N101MG4512PP	D10	G1/2"	PP
2N101MG4512PT	D10	G1/2"	PTFE
2N101MG4512PV	D10	G1/2"	PVDF
2N101MG4514PP	D10	G1/4"	PP
2N101MG4514PPEP	D10	G1/4"	PP/EPDM
2N101MG4514PT	D10	G1/4"	PTFE
2N101MG4514PV	D10	G1/4"	PVDF
2N101MG4518PP	D10	G1/8"	PP
2N101MG4518PT	D10	G1/8"	PTFE
2N101MG4518PV	D10	G1/8"	PVDF
2N101MG4538PP	D10	G3/8"	PP
2N101MG4538PT	D10	G3/8"	PTFE
2N101MG4538PV	D10	G3/8"	PVDF
2N101MG4812PF	D12	G1/2"	PFA
2N101MG4812PP	D12	G1/2"	PP
2N101MG4812PT	D12	G1/2"	PTFE
2N101MG4812PV	D12	G1/2"	PVDF
2N101MG4814PP	D12	G1/4"	PP
2N101MG4814PT	D12	G1/4"	PTFE
2N101MG4814PV	D12	G1/4"	PVDF
2N101MG4818PP	D12	G1/8"	PP
2N101MG4818PT	D12	G1/8"	PTFE

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**Straight bulkhead connector for pipe (Series 2N)
with male G-thread**

2

Article-Nr	Connection A	Connection B	Material
2N101MG4818PV	D12	G1/8"	PVDF
2N101MG4838PP	D12	G3/8"	PP
2N101MG4838PT	D12	G3/8"	PTFE
2N101MG4838PV	D12	G3/8"	PVDF
2N101MG5112PF	D14	G1/2"	PFA
2N101MG5112PP	D14	G1/2"	PP
2N101MG5112PT	D14	G1/2"	PTFE
2N101MG5112PV	D14	G1/2"	PVDF
2N101MG5114PP	D14	G1/4"	PP
2N101MG5114PT	D14	G1/4"	PTFE
2N101MG5114PV	D14	G1/4"	PVDF
2N101MG5118PP	D14	G1/8"	PP
2N101MG5118PT	D14	G1/8"	PTFE
2N101MG5118PV	D14	G1/8"	PVDF
2N101MG5138PP	D14	G3/8"	PP
2N101MG5138PT	D14	G3/8"	PTFE
2N101MG5138PV	D14	G3/8"	PVDF
2N101MG5312PP	D16	G1/2"	PP
2N101MG5312PT	D16	G1/2"	PTFE
2N101MG5312PV	D16	G1/2"	PVDF
2N101MG5712PP	D20	G1/2"	PP
2N101MG5712PV	D20	G1/2"	PVDF

Dimensions 2N101MG. . .

A(D)	B(G)	l2	~L9	SW3	SW5	ØD1	a
4	1/8"	8	35.5	14	14	8.5	9
4	1/4"	12	37	17	14	8.5	9
4	3/8"	12	38.5	22	14	8.5	9
4	1/2"	14	41	27	14	8.5	9
6	1/8"	8	48.5	14	17	12.5	9
6	1/4"	12	50	17	17	12.5	9
6	3/8"	12	51.5	22	17	12.5	9
6	1/2"	14	54	27	17	12.5	9
8	1/8"	8	50.5	19	19	14.5	9
8	1/4"	12	51	19	19	14.5	9
8	3/8"	12	51.5	22	19	14.5	9
8	1/2"	14	54	27	19	14.5	9
10	1/8"	8	55.5	19	22	16.5	10
10	1/4"	12	56	19	22	16.5	10
10	3/8"	12	56.5	22	22	16.5	10
10	1/2"	14	59	27	22	16.5	10
12	1/8"	8	61.5	22	24	18.5	12
12	1/4"	12	62	22	24	18.5	12
12	3/8"	12	63.5	22	24	18.5	12
12	1/2"	14	65	27	24	18.5	12
14	1/8"	8	67.5	27	27	22.5	14
14	1/4"	12	68	27	27	22.5	14
14	3/8"	12	68.8	27	27	22.5	14
14	1/2"	14	69	27	27	22.5	14
15	1/8"	8	69.5	27	27	22.5	16
15	1/4"	12	70	27	27	22.5	16
15	3/8"	12	70.5	27	27	22.5	16
15	1/2"	14	71	27	27	22.5	16
16	1/4"	12	70	27	32	24.5	16
16	3/8"	12	70.5	27	32	24.5	16
16	1/2"	14	71	27	32	24.5	16
18	1/4"	12	79	32	32	26.5	16
18	3/8"	12	79.5	32	32	26.5	16
18	1/2"	14	80	32	32	26.5	16
20	1/4"	12	83	32	32	27.5	18
20	3/8"	12	83.5	32	32	27.5	18

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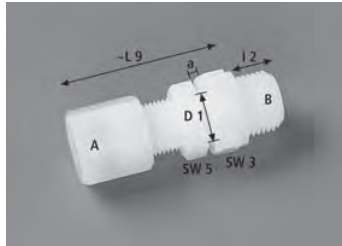
Straight bulkhead connector for pipe (Series 2N)
with male G-thread

2

A(D)	B(G)	l2	~L9	SW3	SW5	ØD1	a
20	1/2"	14	84	32	32	27.5	18
20	3/4"	16	86	36	32	27.5	18
22	3/8"	12	86.5	32	36	30.5	18
22	1/2"	14	87	32	36	30.5	18
22	3/4"	16	89	36	36	30.5	18
22	1"	18	91	43	36	30.5	18
25	1/2"	14	94	43	43	33.5	18
25	3/4"	16	94	43	43	33.5	18
25	1"	18	94	43	43	33.5	18
1/8"	1/8"	8	38.5	14	14	8.5	9
1/8"	1/4"	12	40	17	14	8.5	9
1/8"	3/8"	12	41.5	22	14	8.5	9
1/8"	1/2"	14	44	27	14	8.5	9
1/4"	1/8"	8	49.5	14	17	12.5	9
1/4"	1/4"	12	51	17	17	12.5	9
1/4"	3/8"	12	52.5	22	17	12.5	9
1/4"	1/2"	14	55	27	17	12.5	9
3/8"	1/8"	8	55.5	19	22	16.5	10
3/8"	1/4"	12	56	19	22	16.5	10
3/8"	3/8"	12	56.5	22	22	16.5	10
3/8"	1/2"	14	59	27	22	16.5	10
1/2"	1/8"	8	62.5	22	24	18.5	12
1/2"	1/4"	12	63	22	24	18.5	12
1/2"	3/8"	12	63.5	22	24	18.5	12
1/2"	1/2"	14	66	27	24	18.5	12
3/4"	1/4"	12	75	32	32	26.5	16
3/4"	3/8"	12	75.5	32	32	26.5	16
3/4"	1/2"	14	76	32	32	26.5	16
3/4"	3/4"	16	76	32	32	26.5	16

Straight bulkhead connector for pipe (Series 2N) with male M-thread

2



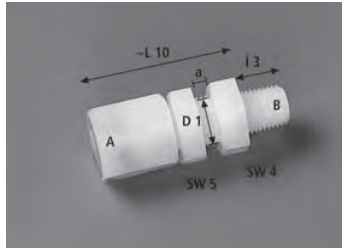
Article-Nr	Connection A	Connection B	Material
2N101MM3811PT	D04	M10x1	PTFE
2N101MM4511PT	D10	M10x1	PTFE

Dimensions 2N101MM. . .

A(D)	B(M)	l2	~L9	SW3	SW5	ØD1	a
4	10x1	8	35.5	14	14	8.5	9
4	10x1,5	8	35.5	14	14	8.5	9
4	12x1,5	12	37	17	14	8.5	9
4	14x1,5	12	38.5	19	14	8.5	9
4	16x1,5	12	38.5	22	14	8.5	9
4	18x1,5	12	40	24	14	8.5	9
6	10x1	8	48.5	14	17	12.5	9
6	10x1,5	8	48.5	14	17	12.5	9
6	12x1,5	12	50	17	17	12.5	9
6	14x1,5	12	51.5	19	17	12.5	9
6	16x1,5	12	51.5	22	17	12.5	9
6	18x1,5	12	53	24	17	12.5	9
8	10x1	8	49.5	17	19	14.5	9
8	10x1,5	8	49.5	17	19	14.5	9
8	12x1,5	12	50	17	19	14.5	9
8	14x1,5	12	51.5	19	19	14.5	9
8	16x1,5	12	51.5	22	19	14.5	9
8	18x1,5	12	53	24	19	14.5	9
10	10x1	8	55.5	19	22	16.5	10
10	10x1,5	8	55.5	19	22	16.5	10
10	12x1,5	12	56	19	22	16.5	10
10	14x1,5	12	56.5	19	22	16.5	10
10	16x1,5	12	56.5	22	22	16.5	10
10	18x1,5	12	58	24	22	16.5	10
12	12x1,5	12	62	22	24	18.5	12
12	14x1,5	12	62.5	22	24	18.5	12
12	16x1,5	12	62.5	22	24	18.5	12
12	18x1,5	12	64	24	24	18.5	12
14	12x1,5	12	68	27	27	22.5	14
14	14x1,5	12	68.5	27	27	22.5	14
14	16x1,5	12	68.5	27	27	22.5	14
14	18x1,5	12	69	27	27	22.5	14
15	12x1,5	12	70	27	27	22.5	16
15	14x1,5	12	70.5	27	27	22.5	16
15	16x1,5	12	70.5	27	27	22.5	16
15	18x1,5	12	71	27	27	22.5	16
15	20x1,5	14	71	27	27	22.5	16
16	12x1,5	12	70	27	32	24.5	16
16	14x1,5	12	70.5	27	32	24.5	16
16	16x1,5	12	70.5	27	32	24.5	16
16	18x1,5	12	71	27	32	24.5	16
16	20x1,5	14	71	27	32	24.5	16
18	12x1,5	12	79	32	32	26.5	16
18	14x1,5	12	79.5	32	32	26.5	16
18	16x1,5	12	79.5	32	32	26.5	16
18	18x1,5	12	80	32	32	26.5	16
18	20x1,5	14	80	32	32	26.5	16

Straight bulkhead connector for pipe (Series 2N)
with male NPT-thread

2



Article-Nr	Connection A	Connection B	Material
2N101MN0518PP	D1/4"	NPT1/8"	PP
2N101MN0518PV	D1/4"	NPT1/8"	PVDF
2N101MN2014PT	D3/4"	NPT1/4"	PTFE
2N101MN3818PP	D04	NPT1/8"	PP
2N101MN4014PV	D06	NPT1/4"	PVDF
2N101MN4018PP	D06	NPT1/8"	PP
2N101MN4514PT	D10	NPT1/4"	PTFE
2N101MN4514PV	D10	NPT1/4"	PVDF
2N101MN4812PP	D12	NPT1/2"	PP
2N101MN4812PT	D12	NPT1/2"	PTFE
2N101MN4814PF	D12	NPT1/4"	PFA
2N101MN4814PT	D12	NPT1/4"	PTFE

Dimensions 2N101MN...

A(D)	B(NPT)	l3	~L10	SW4	SW5	ØD1	a
4	1/8"	10	34	12	14	8.5	9
4	1/4"	15	35	17	14	8.5	9
4	3/8"	15.3	36	19	14	8.5	9
4	1/2"	20	37	24	14	8.5	9
6	1/8"	10	47	14	17	12.5	9
6	1/4"	15	48	17	17	12.5	9
6	3/8"	15.3	49	19	17	12.5	9
6	1/2"	20	50	24	17	12.5	9
8	1/8"	10	48	17	19	14.5	9
8	1/4"	15	48	17	19	14.5	9
8	3/8"	15.3	49	19	19	14.5	9
8	1/2"	20	50	24	19	14.5	9
10	1/8"	10	54	19	22	16.5	10
10	1/4"	15	54	19	22	16.5	10
10	3/8"	15.3	54	22	22	16.5	10
10	1/2"	20	55	24	22	16.5	10
12	1/8"	10	60	22	24	18.5	12
12	1/4"	15	60	22	24	18.5	12
12	3/8"	15.3	60	22	24	18.5	12
12	1/2"	20	61	24	24	18.5	12
14	1/8"	10	65	24	27	22.5	14
14	1/4"	15	65	24	27	22.5	14
14	3/8"	15.3	65	24	27	22.5	14
14	1/2"	20	65	24	27	22.5	14
15	1/8"	10	67	24	27	22.5	16
15	1/4"	15	67	24	27	22.5	16
15	3/8"	15.3	67	24	27	22.5	16
15	1/2"	20	68	27	27	22.5	16
16	1/4"	15	68	27	32	24.5	16
16	3/8"	15.3	68	27	32	24.5	16
16	1/2"	20	68	27	32	24.5	16
18	1/4"	15	77	32	32	26.5	16
18	3/8"	15.3	77	32	32	26.5	16
18	1/2"	20	77	32	32	26.5	16
20	1/4"	15	81	32	32	27.5	18
20	3/8"	15.3	81	32	32	27.5	18
20	1/2"	20	81	32	32	27.5	18
20	3/4"	20	81	32	32	27.5	18
22	3/8"	15.3	84	32	36	30.5	18
22	1/2"	20	84	32	36	30.5	18
22	3/4"	20	84	32	36	30.5	18
22	1"	25	86	36	36	30.5	18
25	1/2"	20	89	36	43	33.5	18
25	3/4"	20	89	36	43	33.5	18
25	1"	25	89	36	43	33.5	18
1/8"	1/8"	10	37	12	14	8.5	9

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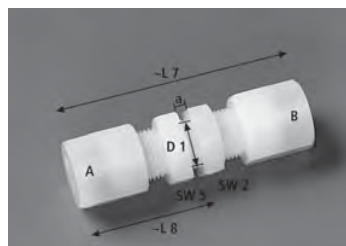
**Straight bulkhead connector for pipe (Series 2N)
with male NPT-thread**

2

A(D)	B(NPT)	I3	~L10	SW4	SW5	ØD1	a
1/8"	1/4"	15	38	17	14	8.5	9
1/8"	3/8"	15.3	39	19	14	8.5	9
1/8"	1/2"	20	40	24	14	8.5	9
1/4"	1/8"	10	48	14	17	12.5	9
1/4"	1/4"	15	49	17	17	12.5	9
1/4"	3/8"	15.3	50	19	17	12.5	9
1/4"	1/2"	20	51	24	17	12.5	9
3/8"	1/8"	10	54	19	22	16.5	10
3/8"	1/4"	15	54	19	22	16.5	10
3/8"	3/8"	15.3	54	22	22	16.5	10
3/8"	1/2"	20	55	24	22	16.5	10
1/2"	1/8"	10	61	22	24	18.5	12
1/2"	1/4"	15	61	22	24	18.5	12
1/2"	3/8"	15.3	61	22	24	18.5	12
1/2"	1/2"	20	62	24	24	18.5	12
3/4"	1/4"	15	73	32	32	26.5	16
3/4"	3/8"	15.3	73	32	32	26.5	16
3/4"	1/2"	20	73	32	32	26.5	16
3/4"	3/4"	20	73	32	32	26.5	16

**Straight bulkhead union for pipe on both ends
(Series 2N)**

2



Article-Nr	Connection A	Connection B	Material
2N101P0305PP	D1/8"	D1/4"	PP
2N101P03PF	D1/8"	D1/8"	PFA
2N101P03PP	D1/8"	D1/8"	PP
2N101P03PT	D1/8"	D1/8"	PTFE
2N101P03PV	D1/8"	D1/8"	PVDF
2N101P04PF	D3/16"	D3/16"	PFA
2N101P0503PF	D1/4"	D1/8"	PFA
2N101P0503PT	D1/4"	D1/8"	PTFE
2N101P0503PV	D1/4"	D1/8"	PVDF
2N101P0540PV	D1/4"	D06	PVDF
2N101P05PF	D1/4"	D1/4"	PFA
2N101P05PP	D1/4"	D1/4"	PP
2N101P05PT	D1/4"	D1/4"	PTFE
2N101P05PV	D1/4"	D1/4"	PVDF
2N101P1105PT	D3/8"	D1/4"	PTFE
2N101P1115PT	D3/8"	D1/2"	PTFE
2N101P11PF	D3/8"	D3/8"	PFA
2N101P11PP	D3/8"	D3/8"	PP
2N101P11PT	D3/8"	D3/8"	PTFE
2N101P11PV	D3/8"	D3/8"	PVDF
2N101P1505PV	D1/2"	D1/4"	PVDF
2N101P1548PV	D1/2"	D12	PVDF
2N101P15PF	D1/2"	D1/2"	PFA
2N101P15PT	D1/2"	D1/2"	PTFE
2N101P15PV	D1/2"	D1/2"	PVDF
2N101P20PV	D3/4"	D3/4"	PVDF
2N101P3803PP	D04	D1/8"	PP
2N101P3805PT	D04	D1/4"	PTFE
2N101P3840PP	D04	D06	PP
2N101P3840PT	D04	D06	PTFE
2N101P3840PV	D04	D06	PVDF
2N101P38PF	D04	D04	PFA
2N101P38PN	D04	D04	PP-NATUR
2N101P38PP	D04	D04	PP
2N101P38PT	D04	D04	PTFE
2N101P38PV	D04	D04	PVDF
2N101P4003PP	D06	D1/8"	PP
2N101P4003PT	D06	D1/8"	PTFE
2N101P4003PV	D06	D1/8"	PVDF
2N101P4005PT	D06	D1/4"	PTFE
2N101P4005PV	D06	D1/4"	PVDF
2N101P4015PV	D06	D1/2"	PVDF
2N101P4038PP	D06	D04	PP
2N101P4038PT	D06	D04	PTFE
2N101P4038PV	D06	D04	PVDF
2N101P4043PF	D06	D08	PFA
2N101P4043PK	D06	D08	PEEK
2N101P4043PT	D06	D08	PTFE
2N101P4043PV	D06	D08	PVDF
2N101P4045PP	D06	D10	PP
2N101P4045PT	D06	D10	PTFE
2N101P4048PT	D06	D12	PTFE
2N101P4048PV	D06	D12	PVDF
2N101P40PF	D06	D06	PFA
2N101P40PK	D06	D06	PEEK
2N101P40PP	D06	D06	PP
2N101P40PT	D06	D06	PTFE
2N101P40PV	D06	D06	PVDF
2N101P4305PF	D08	D1/4"	PFA
2N101P4315PV	D08	D1/2"	PVDF
2N101P4340PF	D08	D06	PFA
2N101P4340PT	D08	D06	PTFE

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Straight bulkhead union for pipe on both ends
(Series 2N)

2

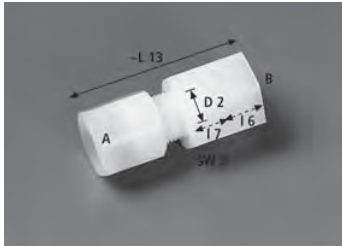
Article-Nr	Connection A	Connection B	Material
2N101P4340PV	D08	D06	PVDF
2N101P4345PT	D08	D10	PTFE
2N101P43PF	D08	D08	PFA
2N101P43PP	D08	D08	PP
2N101P43PT	D08	D08	PTFE
2N101P43PV	D08	D08	PVDF
2N101P4505PV	D10	D1/4"	PVDF
2N101P4540PT	D10	D06	PTFE
2N101P4543PT	D10	D08	PTFE
2N101P4551PT	D10	D14	PTFE
2N101P4551PV	D10	D14	PVDF
2N101P45PF	D10	D10	PFA
2N101P45PP	D10	D10	PP
2N101P45PT	D10	D10	PTFE
2N101P45PV	D10	D10	PVDF
2N101P4840PT	D12	D06	PTFE
2N101P4845PT	D12	D10	PTFE
2N101P48PF	D12	D12	PFA
2N101P48PP	D12	D12	PP
2N101P48PT	D12	D12	PTFE
2N101P48PV	D12	D12	PVDF
2N101P5155PT	D14	D18	PTFE
2N101P51PP	D14	D14	PP
2N101P51PT	D14	D14	PTFE
2N101P51PV	D14	D14	PVDF
2N101P52PP	D15	D15	PP
2N101P53PP	D16	D16	PP
2N101P53PT	D16	D16	PTFE
2N101P53PV	D16	D16	PVDF
2N101P55PK	D18	D18	PEEK
2N101P55PT	D18	D18	PTFE
2N101P57PT	D20	D20	PTFE
2N101P57PV	D20	D20	PVDF

Dimensions 2N101P...

A(D)	B(D)	~L7	~L8	SW2	SW5	ØD1	a
4	4	47	29	14	14	8.5	9
6	6	70	42	17	17	12.5	9
8	8	76	42	19	19	14.5	9
10	10	81	47	19	22	16.5	10
12	12	87	53	22	24	18.5	12
14	14	99	57	27	27	22.5	14
15	15	98	59	27	27	22.5	16
16	16	104	59	32	32	24.5	16
18	18	116	65	32	32	26.5	16
20	20	120	69	32	32	27.5	18
22	22	128	72	36	36	30.5	18
25	25	134	75	43	43	33.5	18
1/8"	1/8"	58	31	14	14	8.5	9
1/4"	1/4"	77	43	17	17	12.5	9
3/8"	3/8"	79	42	22	22	16.5	10
1/2"	1/2"	95	47	24	24	18.5	12
3/4"	3/4"	108	65	32	32	26.5	16

Straight pressure gauge connector for pipe (Series 2N) with female G-thread

2



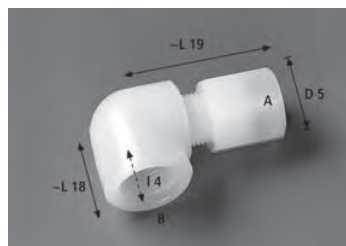
Article-Nr	Connection A	Connection B	Material
2N110FG0514PP	D1/4"	G1/4"	PP
2N110FG3814PP	D04	G1/4"	PP
2N110FG3814PV	D04	G1/4"	PVDF
2N110FG40100PT	D06	G1"	PTFE
2N110FG4012PP	D06	G1/2"	PP
2N110FG4012PT	D06	G1/2"	PTFE
2N110FG4012PV	D06	G1/2"	PVDF
2N110FG4014PP	D06	G1/4"	PP
2N110FG4014PT	D06	G1/4"	PTFE
2N110FG4014PV	D06	G1/4"	PVDF
2N110FG4312PP	D08	G1/2"	PP
2N110FG4312PT	D08	G1/2"	PTFE
2N110FG4312PV	D08	G1/2"	PVDF
2N110FG4512PT	D10	G1/2"	PTFE
2N110FG4512PV	D10	G1/2"	PVDF

Dimensions 2N110FG...

A(D)	B(G)	I6	I7	~L13	ØD2	SW3
4	1/4"	11	3.5	33	5.5	17
4	1/2"	19	10	48	7	27
6	1/4"	11	3.5	44	5.5	17
6	1/2"	19	10	54	7	27
8	1/2"	19	-	54	7	27
1/8"	1/4"	11	3.5	36	5.5	17
1/8"	1/2"	19	10	51	7	27
1/4"	1/4"	11	3.5	45	5.5	17
1/4"	1/2"	19	10	55	7	27
3/8"	1/2"	19	-	56	7	27

Elbow connector for pipe (Series 2N) with female G-thread

2



Article-Nr	Connection A	Connection B	Material
2N200FG0318PV	D1/8"	G1/8"	PVDF
2N200FG0518PV	D1/4"	G1/8"	PVDF
2N200FG1512PV	D1/2"	G1/2"	PVDF
2N200FG1514PP	D1/2"	G1/4"	PP
2N200FG2034PV	D3/4"	G3/4"	PVDF
2N200FG3814PP	D04	G1/4"	PP
2N200FG3814PT	D04	G1/4"	PTFE
2N200FG3814PV	D04	G1/4"	PVDF
2N200FG3818PP	D04	G1/8"	PP
2N200FG3818PT	D04	G1/8"	PTFE
2N200FG3818PV	D04	G1/8"	PVDF
2N200FG4012PP	D06	G1/2"	PP
2N200FG4012PT	D06	G1/2"	PTFE
2N200FG4012PV	D06	G1/2"	PVDF
2N200FG4014PK	D06	G1/4"	PEEK
2N200FG4014PP	D06	G1/4"	PP
2N200FG4014PT	D06	G1/4"	PTFE
2N200FG4014PV	D06	G1/4"	PVDF
2N200FG4018PP	D06	G1/8"	PP
2N200FG4018PT	D06	G1/8"	PTFE
2N200FG4018PV	D06	G1/8"	PVDF
2N200FG4038PP	D06	G3/8"	PP
2N200FG4038PT	D06	G3/8"	PTFE
2N200FG4038PV	D06	G3/8"	PVDF
2N200FG4312PP	D08	G1/2"	PP
2N200FG4312PT	D08	G1/2"	PTFE
2N200FG4312PV	D08	G1/2"	PVDF
2N200FG4314PP	D08	G1/4"	PP
2N200FG4314PT	D08	G1/4"	PTFE
2N200FG4314PV	D08	G1/4"	PVDF
2N200FG4318PP	D08	G1/8"	PP
2N200FG4318PT	D08	G1/8"	PTFE
2N200FG4318PV	D08	G1/8"	PVDF
2N200FG4338PP	D08	G3/8"	PP
2N200FG4338PT	D08	G3/8"	PTFE
2N200FG4338PV	D08	G3/8"	PVDF
2N200FG4512PP	D10	G1/2"	PP
2N200FG4512PT	D10	G1/2"	PTFE
2N200FG4512PV	D10	G1/2"	PVDF
2N200FG4514PF	D10	G1/4"	PFA
2N200FG4514PP	D10	G1/4"	PP
2N200FG4514PT	D10	G1/4"	PTFE
2N200FG4514PV	D10	G1/4"	PVDF
2N200FG4518PP	D10	G1/8"	PP
2N200FG4518PT	D10	G1/8"	PTFE
2N200FG4518PV	D10	G1/8"	PVDF
2N200FG4538PP	D10	G3/8"	PP
2N200FG4538PT	D10	G3/8"	PTFE
2N200FG4538PV	D10	G3/8"	PVDF
2N200FG4812PP	D12	G1/2"	PP
2N200FG4812PT	D12	G1/2"	PTFE
2N200FG4812PV	D12	G1/2"	PVDF
2N200FG4814PP	D12	G1/4"	PP
2N200FG4814PT	D12	G1/4"	PTFE
2N200FG4814PV	D12	G1/4"	PVDF
2N200FG4818PP	D12	G1/8"	PP
2N200FG4818PT	D12	G1/8"	PTFE
2N200FG4818PV	D12	G1/8"	PVDF
2N200FG4838PP	D12	G3/8"	PP
2N200FG4838PT	D12	G3/8"	PTFE
2N200FG4838PV	D12	G3/8"	PVDF
2N200FG5112PP	D14	G1/2"	PP

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Elbow connector for pipe (Series 2N) with female G-thread

2

Article-Nr	Connection A	Connection B	Material
2N200FG5112PT	D14	G1/2"	PTFE
2N200FG5112PV	D14	G1/2"	PVDF
2N200FG5114PP	D14	G1/4"	PP
2N200FG5114PT	D14	G1/4"	PTFE
2N200FG5114PV	D14	G1/4"	PVDF
2N200FG5118PP	D14	G1/8"	PP
2N200FG5118PT	D14	G1/8"	PTFE
2N200FG5118PV	D14	G1/8"	PVDF
2N200FG5138PP	D14	G3/8"	PP
2N200FG5138PT	D14	G3/8"	PTFE
2N200FG5138PV	D14	G3/8"	PVDF
2N200FG5212PV	D15	G1/2"	PVDF
2N200FG5312PP	D16	G1/2"	PP
2N200FG5312PT	D16	G1/2"	PTFE
2N200FG5312PV	D16	G1/2"	PVDF
2N200FG5338PP	D16	G3/8"	PP
2N200FG5734PP	D20	G3/4"	PP
2N200FG6134PP	D25	G3/4"	PP

Dimensions 2N200FG . . .

A(D)	B(G)	l4	~L18	~L19	ØD5
4	1/8"	10	17	26	13
4	1/4"	15	20	28	20
4	3/8"	15	20	28	20
4	1/2"	16	20	31	25
6	1/8"	10	17	36	15
6	1/4"	15	20	39	20
6	3/8"	15	20	42	25
6	1/2"	16	20	44	30
8	1/8"	10	17	36	15
8	1/4"	15	20	39	20
8	3/8"	15	20	42	25
8	1/2"	16	20	44	30
10	1/8"	10	20	42	20
10	1/4"	15	23	42	20
10	3/8"	15	23	45	25
10	1/2"	16	23	47	30
12	1/8"	10	20	45	20
12	1/4"	15	23	45	20
12	3/8"	15	23	48	25
12	1/2"	16	23	50	30
14	1/8"	10	20	48	25
14	1/4"	15	23	48	25
14	3/8"	15	23	48	25
14	1/2"	16	23	50	30
15	1/8"	10	20	48	25
15	1/4"	15	23	48	25
15	3/8"	15	23	48	25
15	1/2"	16	23	50	30
16	1/4"	15	25	50	30
16	3/8"	15	25	53	30
16	1/2"	16	32	53	30
18	1/4"	15	28	59	30
18	3/8"	15	28	59	30
18	1/2"	16	28	59	30
20	1/4"	15	30	59	30
20	3/8"	15	30	59	30
20	1/2"	16	30	59	30
20	3/4"	20	32	59	45
22	3/8"	15	32	67	45
22	1/2"	16	32	67	45

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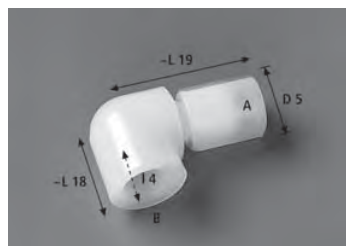
Elbow connector for pipe (Series 2N) with female G-thread

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A(D)	B(G)	l4	~L18	~L19	ØD5
22	3/4"	20	32	67	45
22	1"	22	38	67	45
25	1/2"	16	38	68	45
25	3/4"	20	42	68	45
25	1"	22	42	68	45
1/8"	1/8"	10	17	28	15
1/8"	1/4"	15	20	31	20
1/8"	3/8"	15	20	34	25
1/8"	1/2"	16	20	36	30
1/4"	1/8"	10	17	37	15
1/4"	1/4"	15	20	40	20
1/4"	3/8"	15	20	43	25
1/4"	1/2"	16	20	45	30
3/8"	1/8"	10	20	42	20
3/8"	1/4"	15	23	42	20
3/8"	3/8"	15	23	45	25
3/8"	1/2"	16	23	47	30
1/2"	1/8"	10	20	46	20
1/2"	1/4"	15	23	46	20
1/2"	3/8"	15	23	49	25
1/2"	1/2"	16	23	51	30
3/4"	1/4"	15	28	55	30
3/4"	3/8"	15	28	55	30
3/4"	1/2"	16	28	55	30
3/4"	3/4"	20	32	60	45

Elbow connector for pipe (Series 2N) with female M-thread

2



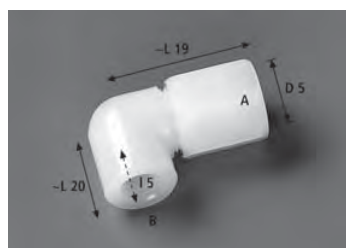
Article-Nr	Connection A	Connection B	Material
2N200FM4011PP	D06	M10x1	PP
2N200FM4011PT	D06	M10x1	PTFE
2N200FM4017PK	D06	M14x1,5	PEEK
2N200FM4310PP	D08	M10	PP
2N200FM4319PV	D08	M16x1,5	PVDF
2N200FM4321PT	D08	M18x1,5	PTFE
2N200FM4517PF	D10	M14x1,5	PFA
2N200FM4623PP	D10	M20x1,5	PP
2N200FM4815PF	D12	M12x1,5	PFA
2N200FM5119PV	D14	M16x1,5	PVDF

Dimensions 2N200FM . . .

A(D)	B(M)	I4	~L18	~L19	ØD5
4	10x1	10	17	25	15
4	10x1,5	10	17	25	15
4	12x1,5	15	20	28	20
4	14x1,5	15	20	28	20
4	16x1,5	15,5	20	28	20
4	18x1,5	16,5	20	31	25
6	10x1	10	17	36	15
6	10x1,5	10	17	36	15
6	12x1,5	15	20	39	20
6	14x1,5	15	20	39	20
6	16x1,5	15,5	20	42	25
6	18x1,5	16,5	20	42	25
8	10x1	10	17	36	15
8	10x1,5	10	17	36	15
8	12x1,5	15	20	39	20
8	14x1,5	15	20	39	20
8	16x1,5	15,5	20	42	25
8	18x1,5	16,5	20	42	25
10	10x1	10	20	42	20
10	10x1,5	10	20	42	20
10	12x1,5	15	23	42	20
10	14x1,5	15	23	42	20
10	16x1,5	15,5	23	45	25
10	18x1,5	16,5	23	45	25
12	12x1,5	15	23	45	20
12	14x1,5	15	23	45	20
12	16x1,5	15,5	23	48	25
12	18x1,5	16,5	23	48	25
14	12x1,5	15	23	48	25
14	14x1,5	15	23	48	25
14	16x1,5	15,5	23	48	25
14	18x1,5	16,5	25	48	25
14	20x1,5	16,5	25	50	30
15	12x1,5	15	25	48	25
15	14x1,5	15	25	48	25
15	16x1,5	15,5	25	48	25
15	18x1,5	16,5	25	48	25
15	20x1,5	16,5	25	50	30
16	12x1,5	15	25	50	30
16	14x1,5	15	25	50	30
16	16x1,5	15,5	25	50	30
16	18x1,5	16,5	25	50	30
16	20x1,5	16,5	25	50	30
18	12x1,5	15	28	56	30
18	14x1,5	15	28	56	30
18	16x1,5	15,5	28	56	30
18	18x1,5	16,5	28	56	30
18	20x1,5	16,5	28	56	30

Elbow connector for pipe (Series 2N) with female NPT-thread

2



Article-Nr	Connection A	Connection B	Material
2N200FN0318PT	D1/8"	NPT1/8"	PTFE
2N200FN3818PT	D04	NPT1/8"	PTFE
2N200FN4014PF	D06	NPT1/4"	PFA
2N200FN4014PV	D06	NPT1/4"	PVDF
2N200FN4018PP	D06	NPT1/8"	PP
2N200FN4314PP	D08	NPT1/4"	PP
2N200FN4512PP	D10	NPT1/2"	PP
2N200FN4538PP	D10	NPT3/8"	PP
2N200FN4812PV	D12	NPT1/2"	PVDF
2N200FN4814PP	D12	NPT1/4"	PP
2N200FN4838PF	D12	NPT3/8"	PFA
2N200FN5114PV	D14	NPT1/4"	PVDF

Dimensions 2N200FN...

A(D)	B(NPT)	I5	~L20	~L19	ØD5
4	1/8"	11.6	20	25	15
4	1/4"	16.4	24	28	20
4	3/8"	17.4	26	31	25
4	1/2"	22.6	32	33	30
6	1/8"	11.6	20	36	15
6	1/4"	16.4	24	39	20
6	3/8"	17.4	26	42	25
6	1/2"	22.6	32	44	30
8	1/8"	11.6	20	36	15
8	1/4"	16.4	24	39	20
8	3/8"	17.4	26	42	25
8	1/2"	22.6	32	44	30
10	1/8"	11.6	20	42	20
10	1/4"	16.4	24	42	20
10	3/8"	17.4	26	45	25
10	1/2"	22.6	32	47	30
12	1/8"	11.6	20	45	20
12	1/4"	16.4	24	45	20
12	3/8"	17.4	26	48	25
12	1/2"	22.6	32	50	30
14	1/8"	11.6	20	48	25
14	1/4"	16.4	24	48	25
14	3/8"	17.4	26	48	25
14	1/2"	22.6	32	50	30
15	1/8"	11.6	20	48	25
15	1/4"	16.4	24	48	25
15	3/8"	17.4	26	48	25
15	1/2"	22.6	32	50	30
16	1/4"	16.4	32	50	30
16	3/8"	17.4	32	53	30
16	1/2"	22.6	32	53	30
18	1/4"	16.4	32	59	30
18	3/8"	17.4	32	59	30
18	1/2"	22.6	38	59	30
20	1/4"	16.4	32	59	30
20	3/8"	17.4	32	59	30
20	1/2"	22.6	38	59	30
20	3/4"	23.1	38	59	45
22	3/8"	17.4	38	67	45
22	1/2"	22.6	38	67	45
22	3/4"	23.1	38	67	45
22	1"	27.8	40	67	45
25	1/2"	22.6	40	68	45
25	3/4"	23.1	40	68	45
25	1"	27.8	42	68	45
1/8"	1/8"	11.6	20	28	15

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Elbow connector for pipe (Series 2N) with female NPT-thread

2

A(D)	B(NPT)	I5	~L20	~L19	ØD5
1/8"	1/4"	16.4	24	31	20
1/8"	3/8"	17.4	26	34	25
1/8"	1/2"	22.6	32	36	30
1/4"	1/8"	11.6	20	37	15
1/4"	1/4"	16.4	24	40	20
1/4"	3/8"	17.4	26	43	25
1/4"	1/2"	22.6	32	45	30
3/8"	1/8"	11.6	20	42	20
3/8"	1/4"	16.4	24	42	20
3/8"	3/8"	17.4	26	45	25
3/8"	1/2"	22.6	32	47	30
1/2"	1/8"	11.6	20	46	20
1/2"	1/4"	16.4	24	46	20
1/2"	3/8"	17.4	26	49	25
1/2"	1/2"	22.6	32	51	30
3/4"	1/4"	16.4	32	55	30
3/4"	3/8"	17.4	32	55	30
3/4"	1/2"	22.6	32	55	30
3/4"	3/4"	23.1	38	60	45

Elbow connector for pipe (Series 2N) with male G-thread

2



Article-Nr	Connection A	Connection B	Material
2N200MG0314PF	D1/8"	G1/4"	PFA
2N200MG0314PP	D1/8"	G1/4"	PP
2N200MG0314PT	D1/8"	G1/4"	PTFE
2N200MG0314PV	D1/8"	G1/4"	PVDF
2N200MG0314PVFP	D1/8"	G1/4"	PVDF/FPM
2N200MG0318PF	D1/8"	G1/8"	PFA
2N200MG0318PP	D1/8"	G1/8"	PP
2N200MG0318PT	D1/8"	G1/8"	PTFE
2N200MG0318PV	D1/8"	G1/8"	PVDF
2N200MG0338PP	D1/8"	G3/8"	PP
2N200MG0414PF	D3/16"	G1/4"	PFA
2N200MG0514PF	D1/4"	G1/4"	PFA
2N200MG0514PFFP	D1/4"	G1/4"	PFA/FPM
2N200MG0514PP	D1/4"	G1/4"	PP
2N200MG0514PT	D1/4"	G1/4"	PTFE
2N200MG0514PV	D1/4"	G1/4"	PVDF
2N200MG0518PF	D1/4"	G1/8"	PFA
2N200MG0518PP	D1/4"	G1/8"	PP
2N200MG0518PT	D1/4"	G1/8"	PTFE
2N200MG0518PV	D1/4"	G1/8"	PVDF
2N200MG1112PP	D3/8"	G1/2"	PP
2N200MG1114PF	D3/8"	G1/4"	PFA
2N200MG1114PP	D3/8"	G1/4"	PP
2N200MG1114PV	D3/8"	G1/4"	PVDF
2N200MG1118PN	D3/8"	G1/8"	PP-NATUR
2N200MG1138PP	D3/8"	G3/8"	PP
2N200MG1138PV	D3/8"	G3/8"	PVDF
2N200MG1512PF	D1/2"	G1/2"	PFA
2N200MG1512PP	D1/2"	G1/2"	PP
2N200MG1512PV	D1/2"	G1/2"	PVDF
2N200MG1518PF	D1/2"	G1/8"	PFA
2N200MG2012PP	D3/4"	G1/2"	PP
2N200MG2034PP	D3/4"	G3/4"	PP
2N200MG3812PF	D04	G1/2"	PFA
2N200MG3812PN	D04	G1/2"	PP-NATUR
2N200MG3812PP	D04	G1/2"	PP
2N200MG3812PT	D04	G1/2"	PTFE
2N200MG3812PV	D04	G1/2"	PVDF
2N200MG3814PF	D04	G1/4"	PFA
2N200MG3814PN	D04	G1/4"	PP-NATUR
2N200MG3814PP	D04	G1/4"	PP
2N200MG3814PPFP	D04	G1/4"	PP/FPM
2N200MG3814PT	D04	G1/4"	PTFE
2N200MG3814PV	D04	G1/4"	PVDF
2N200MG3814PVFP	D04	G1/4"	PVDF/FPM
2N200MG3818PF	D04	G1/8"	PFA
2N200MG3818PN	D04	G1/8"	PP-NATUR
2N200MG3818PP	D04	G1/8"	PP
2N200MG3818PPFP	D04	G1/8"	PP/FPM
2N200MG3818PT	D04	G1/8"	PTFE
2N200MG3818PV	D04	G1/8"	PVDF
2N200MG3838PF	D04	G3/8"	PFA
2N200MG3838PN	D04	G3/8"	PP-NATUR
2N200MG3838PP	D04	G3/8"	PP
2N200MG3838PT	D04	G3/8"	PTFE
2N200MG3838PV	D04	G3/8"	PVDF
2N200MG3918PF	D05	G1/8"	PFA
2N200MG4012PF	D06	G1/2"	PFA
2N200MG4012PP	D06	G1/2"	PP
2N200MG4012PT	D06	G1/2"	PTFE
2N200MG4012PV	D06	G1/2"	PVDF
2N200MG4014PF	D06	G1/4"	PFA

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Elbow connector for pipe (Series 2N) with male G-thread

2

Article-Nr	Connection A	Connection B	Material
2N200MG4014PK	D06	G1/4"	PEEK
2N200MG4014PP	D06	G1/4"	PP
2N200MG4014PT	D06	G1/4"	PTFE
2N200MG4014PV	D06	G1/4"	PVDF
2N200MG4018PF	D06	G1/8"	PFA
2N200MG4018PN	D06	G1/8"	PP-NATUR
2N200MG4018PP	D06	G1/8"	PP
2N200MG4018PT	D06	G1/8"	PTFE
2N200MG4018PV	D06	G1/8"	PVDF
2N200MG4018PVFP	D06	G1/8"	PVDF/FPM
2N200MG4038PF	D06	G3/8"	PFA
2N200MG4038PP	D06	G3/8"	PP
2N200MG4038PT	D06	G3/8"	PTFE
2N200MG4038PV	D06	G3/8"	PVDF
2N200MG4312PF	D08	G1/2"	PFA
2N200MG4312PP	D08	G1/2"	PP
2N200MG4312PT	D08	G1/2"	PTFE
2N200MG4312PTFP	D08	G1/2"	PTFE/FPM
2N200MG4312PV	D08	G1/2"	PVDF
2N200MG4314PF	D08	G1/4"	PFA
2N200MG4314PK	D08	G1/4"	PEEK
2N200MG4314PP	D08	G1/4"	PP
2N200MG4314PT	D08	G1/4"	PTFE
2N200MG4314PV	D08	G1/4"	PVDF
2N200MG4318PF	D08	G1/8"	PFA
2N200MG4318PP	D08	G1/8"	PP
2N200MG4318PPFP	D08	G1/8"	PP/FPM
2N200MG4318PT	D08	G1/8"	PTFE
2N200MG4318PV	D08	G1/8"	PVDF
2N200MG4338PF	D08	G3/8"	PFA
2N200MG4338PN	D08	G3/8"	PP-NATUR
2N200MG4338PP	D08	G3/8"	PP
2N200MG4338PT	D08	G3/8"	PTFE
2N200MG4338PV	D08	G3/8"	PVDF
2N200MG4512PF	D10	G1/2"	PFA
2N200MG4512PP	D10	G1/2"	PP
2N200MG4512PT	D10	G1/2"	PTFE
2N200MG4512PV	D10	G1/2"	PVDF
2N200MG4514PF	D10	G1/4"	PFA
2N200MG4514PK	D10	G1/4"	PEEK
2N200MG4514PN	D10	G1/4"	PP-NATUR
2N200MG4514PP	D10	G1/4"	PP
2N200MG4514PT	D10	G1/4"	PTFE
2N200MG4514PTFP	D10	G1/4"	PTFE/FPM
2N200MG4514PV	D10	G1/4"	PVDF
2N200MG4518PP	D10	G1/8"	PP
2N200MG4518PT	D10	G1/8"	PTFE
2N200MG4518PV	D10	G1/8"	PVDF
2N200MG4538PK	D10	G3/8"	PEEK
2N200MG4538PP	D10	G3/8"	PP
2N200MG4538PT	D10	G3/8"	PTFE
2N200MG4538PV	D10	G3/8"	PVDF
2N200MG4538PVFP	D10	G3/8"	PVDF/FPM
2N200MG4812PF	D12	G1/2"	PFA
2N200MG4812PK	D12	G1/2"	PEEK
2N200MG4812PP	D12	G1/2"	PP
2N200MG4812PT	D12	G1/2"	PTFE
2N200MG4812PV	D12	G1/2"	PVDF
2N200MG4814PF	D12	G1/4"	PFA
2N200MG4814PK	D12	G1/4"	PEEK
2N200MG4814PNFP	D12	G1/4"	PP-NATUR/FPM
2N200MG4814PP	D12	G1/4"	PP

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Elbow connector for pipe (Series 2N) with male G-thread

2

Article-Nr	Connection A	Connection B	Material
2N200MG4814PT	D12	G1/4"	PTFE
2N200MG4814PV	D12	G1/4"	PVDF
2N200MG4818PP	D12	G1/8"	PP
2N200MG4818PT	D12	G1/8"	PTFE
2N200MG4818PV	D12	G1/8"	PVDF
2N200MG4838PF	D12	G3/8"	PFA
2N200MG4838PK	D12	G3/8"	PEEK
2N200MG4838PP	D12	G3/8"	PP
2N200MG4838PT	D12	G3/8"	PTFE
2N200MG4838PV	D12	G3/8"	PVDF
2N200MG5112PF	D14	G1/2"	PFA
2N200MG5112PP	D14	G1/2"	PP
2N200MG5112PT	D14	G1/2"	PTFE
2N200MG5112PV	D14	G1/2"	PVDF
2N200MG5114PP	D14	G1/4"	PP
2N200MG5114PT	D14	G1/4"	PTFE
2N200MG5114PV	D14	G1/4"	PVDF
2N200MG5118PP	D14	G1/8"	PP
2N200MG5118PT	D14	G1/8"	PTFE
2N200MG5118PV	D14	G1/8"	PVDF
2N200MG5138PP	D14	G3/8"	PP
2N200MG5138PT	D14	G3/8"	PTFE
2N200MG5138PV	D14	G3/8"	PVDF
2N200MG5138PVFP	D14	G3/8"	PVDF/FPM
2N200MG5212PP	D15	G1/2"	PP
2N200MG5312PP	D16	G1/2"	PP
2N200MG5312PT	D16	G1/2"	PTFE
2N200MG5312PV	D16	G1/2"	PVDF
2N200MG5338PP	D16	G3/8"	PP
2N200MG5338PT	D16	G3/8"	PTFE
2N200MG5338PV	D16	G3/8"	PVDF
2N200MG5512PP	D18	G1/2"	PP
2N200MG5512PT	D18	G1/2"	PTFE
2N200MG5534PV	D18	G3/4"	PVDF
2N200MG5712PN	D20	G1/2"	PP-NATUR
2N200MG5712PP	D20	G1/2"	PP
2N200MG5712PT	D20	G1/2"	PTFE
2N200MG5712PV	D20	G1/2"	PVDF
2N200MG5714PN	D20	G1/4"	PP-NATUR
2N200MG5714PV	D20	G1/4"	PVDF
2N200MG5734PP	D20	G3/4"	PP
2N200MG5734PV	D20	G3/4"	PVDF
2N200MG5738PN	D20	G3/8"	PP-NATUR
2N200MG5738PV	D20	G3/8"	PVDF
2N200MG5912PP	D22	G1/2"	PP

Dimensions 2N200MG. . .

A(D)	B(G)	l2	~L16	~L17	ØD4
4	1/8"	8	12	26	13
4	1/4"	12	12	26	15
4	3/8"	12	15	28	20
4	1/2"	14	15	31	25
6	1/8"	8	15	36	15
6	1/4"	12	15	36	15
6	3/8"	12	15	39	20
6	1/2"	14	15	42	25
8	1/8"	8	16	36	15
8	1/4"	12	16	36	15
8	3/8"	12	16	39	20
8	1/2"	14	16	42	25
10	1/8"	8	18	42	20

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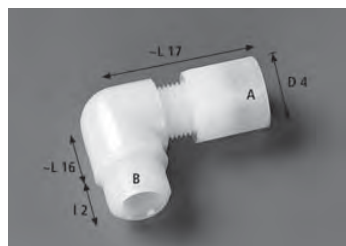
Elbow connector for pipe (Series 2N) with male G-thread

2

A(D)	B(G)	l2	~L16	~L17	ØD4
10	1/4"	12	18	42	20
10	3/8"	12	18	42	20
10	1/2"	14	18	45	25
12	1/8"	8	20	45	20
12	1/4"	12	20	45	20
12	3/8"	12	20	45	20
12	1/2"	14	20	48	25
14	1/8"	8	22	48	25
14	1/4"	12	22	48	25
14	3/8"	12	22	48	25
14	1/2"	14	22	48	25
15	1/8"	8	22	48	25
15	1/4"	12	22	48	25
15	3/8"	12	22	48	25
15	1/2"	14	22	48	25
16	1/4"	12	23	50	30
16	3/8"	12	23	50	30
16	1/2"	14	23	50	30
18	1/4"	12	26	59	30
18	3/8"	12	26	59	30
18	1/2"	14	26	59	30
20	1/4"	12	28	59	30
20	3/8"	12	28	59	30
20	1/2"	14	28	59	30
20	3/4"	16	28	59	30
22	3/8"	12	33	67	45
22	1/2"	14	33	67	45
22	3/4"	16	33	67	45
22	1"	18	33	67	45
25	1/2"	14	36	68	45
25	3/4"	16	36	68	45
25	1"	18	36	68	45
1/8"	1/8"	8	10	28	13
1/8"	1/4"	12	10	28	15
1/8"	3/8"	12	15	31	20
1/8"	1/2"	14	15	34	25
1/4"	1/8"	8	15	37	15
1/4"	1/4"	12	15	37	15
1/4"	3/8"	12	15	40	20
1/4"	1/2"	14	15	43	25
3/8"	1/8"	8	18	42	20
3/8"	1/4"	12	18	42	20
3/8"	3/8"	12	18	42	20
3/8"	1/2"	14	18	45	25
1/2"	1/8"	8	20	49	20
1/2"	1/4"	12	20	49	20
1/2"	3/8"	12	20	49	20
1/2"	1/2"	14	20	49	25
3/4"	1/4"	12	28	59	30
3/4"	3/8"	12	28	59	30
3/4"	1/2"	14	28	59	30
3/4"	3/4"	16	28	59	30

Elbow connector for pipe (Series 2N) with male M-thread

2



Article-Nr	Connection A	Connection B	Material
2N200MM3805PP	D04	M5	PP
2N200MM3806PP	D04	M6	PP
2N200MM3811PP	D04	M10x1	PP
2N200MM3811PPFP	D04	M10x1	PP/FPM
2N200MM3811PV	D04	M10x1	PVDF
2N200MM3812PV	D04	M10x1,5	PVDF
2N200MM3911PP	D05	M10x1	PP
2N200MM4008PF	D06	M8	PFA
2N200MM4010PV	D06	M10	PVDF
2N200MM4011PP	D06	M10x1	PP
2N200MM4011PV	D06	M10x1	PVDF
2N200MM4012PV	D06	M10x1,5	PVDF
2N200MM4015PT	D06	M12x1,5	PTFE
2N200MM4311PP	D08	M10x1	PP
2N200MM4311PV	D08	M10x1	PVDF
2N200MM4319PV	D08	M16x1,5	PVDF
2N200MM4321PV	D08	M18x1,5	PVDF
2N200MM4511PV	D10	M10x1	PVDF
2N200MM4517PPFP	D10	M14x1,5	PFA/FPM
2N200MM4811PV	D12	M12x1	PVDF
2N200MM4815PPFP	D12	M12x1,5	PFA/FPM

Dimensions 2N200MM. . .

A(D)	B(M)	l2	~L16	~L17	ØD4
4	10x1	8	12	26	13
4	10x1,5	8	12	26	13
4	12x1,5	12	12	26	15
4	14x1,5	12	12	26	15
4	16x1,5	12	15	28	20
4	18x1,5	12	15	28	20
6	10x1	8	15	36	13
6	10x1,5	8	15	36	13
6	12x1,5	12	15	36	15
6	14x1,5	12	15	36	15
6	16x1,5	12	15	39	20
6	18x1,5	12	15	39	20
8	10x1	8	16	36	13
8	10x1,5	8	16	36	13
8	12x1,5	12	16	36	15
8	14x1,5	12	16	36	15
8	16x1,5	12	16	39	20
8	18x1,5	12	16	39	20
10	10x1	8	18	42	20
10	10x1,5	8	18	42	20
10	12x1,5	12	18	42	20
10	14x1,5	12	18	42	20
10	16x1,5	12	18	42	20
10	18x1,5	12	18	42	20
12	12x1,5	12	20	45	20
12	14x1,5	12	20	45	20
12	16x1,5	12	20	45	20
12	18x1,5	12	20	45	20
14	12x1,5	12	22	48	25
14	14x1,5	12	22	48	25
14	16x1,5	12	22	48	25
14	18x1,5	12	22	48	25
14	20x1,5	14	22	48	25
15	12x1,5	12	22	48	25
15	14x1,5	12	22	48	25
15	16x1,5	12	22	48	25
15	18x1,5	12	22	48	25

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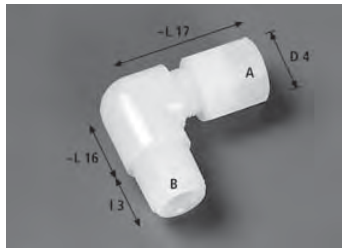
Elbow connector for pipe (Series 2N) with male
M-thread

2

A(D)	B(M)	l2	~L16	~L17	ØD4
15	20x1,5	14	22	48	25
16	12x1,5	12	23	50	30
16	14x1,5	12	23	50	30
16	16x1,5	12	23	50	30
16	18x1,5	12	23	50	30
16	20x1,5	14	23	50	30
18	12x1,5	12	26	59	30
18	14x1,5	12	26	59	30
18	16x1,5	12	26	59	30
18	18x1,5	12	26	59	30
18	20x1,5	14	26	59	30

Elbow connector for pipe (Series 2N) with male NPT-thread

2



Article-Nr	Connection A	Connection B	Material
2N200MN0314PF	D1/8"	NPT1/4"	PFA
2N200MN0314PP	D1/8"	NPT1/4"	PP
2N200MN0314PT	D1/8"	NPT1/4"	PTFE
2N200MN0314PV	D1/8"	NPT1/4"	PVDF
2N200MN0318PF	D1/8"	NPT1/8"	PFA
2N200MN0318PP	D1/8"	NPT1/8"	PP
2N200MN0318PT	D1/8"	NPT1/8"	PTFE
2N200MN0318PV	D1/8"	NPT1/8"	PVDF
2N200MN0514PF	D1/4"	NPT1/4"	PFA
2N200MN0514PP	D1/4"	NPT1/4"	PP
2N200MN0514PT	D1/4"	NPT1/4"	PTFE
2N200MN0514PV	D1/4"	NPT1/4"	PVDF
2N200MN0518PF	D1/4"	NPT1/8"	PFA
2N200MN0518PN	D1/4"	NPT1/8"	PP-NATUR
2N200MN0518PP	D1/4"	NPT1/8"	PP
2N200MN0518PV	D1/4"	NPT1/8"	PVDF
2N200MN0538PF	D1/4"	NPT3/8"	PFA
2N200MN0538PT	D1/4"	NPT3/8"	PTFE
2N200MN0538PV	D1/4"	NPT3/8"	PVDF
2N200MN1112PF	D3/8"	NPT1/2"	PFA
2N200MN1112PV	D3/8"	NPT1/2"	PVDF
2N200MN1114PF	D3/8"	NPT1/4"	PFA
2N200MN1114PP	D3/8"	NPT1/4"	PP
2N200MN1114PT	D3/8"	NPT1/4"	PTFE
2N200MN1114PV	D3/8"	NPT1/4"	PVDF
2N200MN1118PP	D3/8"	NPT1/8"	PP
2N200MN1118PV	D3/8"	NPT1/8"	PVDF
2N200MN1138PT	D3/8"	NPT3/8"	PTFE
2N200MN1138PV	D3/8"	NPT3/8"	PVDF
2N200MN1512PF	D1/2"	NPT1/2"	PFA
2N200MN1512PP	D1/2"	NPT1/2"	PP
2N200MN1512PT	D1/2"	NPT1/2"	PTFE
2N200MN1512PV	D1/2"	NPT1/2"	PVDF
2N200MN1514PF	D1/2"	NPT1/4"	PFA
2N200MN1514PP	D1/2"	NPT1/4"	PP
2N200MN1514PV	D1/2"	NPT1/4"	PVDF
2N200MN1518PP	D1/2"	NPT1/8"	PP
2N200MN1518PV	D1/2"	NPT1/8"	PVDF
2N200MN1538PV	D1/2"	NPT3/8"	PVDF
2N200MN3812PP	D04	NPT1/2"	PP
2N200MN3812PT	D04	NPT1/2"	PTFE
2N200MN3812PV	D04	NPT1/2"	PVDF
2N200MN3814PF	D04	NPT1/4"	PFA
2N200MN3814PN	D04	NPT1/4"	PP-NATUR
2N200MN3814PP	D04	NPT1/4"	PP
2N200MN3814PT	D04	NPT1/4"	PTFE
2N200MN3814PV	D04	NPT1/4"	PVDF
2N200MN3818PF	D04	NPT1/8"	PFA
2N200MN3818PN	D04	NPT1/8"	PP-NATUR
2N200MN3818PP	D04	NPT1/8"	PP
2N200MN3818PT	D04	NPT1/8"	PTFE
2N200MN3818PV	D04	NPT1/8"	PVDF
2N200MN3838PN	D04	NPT3/8"	PP-NATUR
2N200MN3838PP	D04	NPT3/8"	PP
2N200MN3838PT	D04	NPT3/8"	PTFE
2N200MN3838PV	D04	NPT3/8"	PVDF
2N200MN4012PF	D06	NPT1/2"	PFA
2N200MN4012PP	D06	NPT1/2"	PP
2N200MN4012PT	D06	NPT1/2"	PTFE
2N200MN4012PV	D06	NPT1/2"	PVDF
2N200MN4014PF	D06	NPT1/4"	PFA
2N200MN4014PN	D06	NPT1/4"	PP-NATUR

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Elbow connector for pipe (Series 2N) with male NPT-thread

2

Article-Nr	Connection A	Connection B	Material
2N200MN4014PP	D06	NPT1/4"	PP
2N200MN4014PT	D06	NPT1/4"	PTFE
2N200MN4014PV	D06	NPT1/4"	PVDF
2N200MN4018PF	D06	NPT1/8"	PFA
2N200MN4018PN	D06	NPT1/8"	PP-NATUR
2N200MN4018PP	D06	NPT1/8"	PP
2N200MN4018PT	D06	NPT1/8"	PTFE
2N200MN4018PV	D06	NPT1/8"	PVDF
2N200MN4038PP	D06	NPT3/8"	PP
2N200MN4038PT	D06	NPT3/8"	PTFE
2N200MN4038PV	D06	NPT3/8"	PVDF
2N200MN4312PP	D08	NPT1/2"	PP
2N200MN4312PT	D08	NPT1/2"	PTFE
2N200MN4312PV	D08	NPT1/2"	PVDF
2N200MN4314PF	D08	NPT1/4"	PFA
2N200MN4314PN	D08	NPT1/4"	PP-NATUR
2N200MN4314PP	D08	NPT1/4"	PP
2N200MN4314PT	D08	NPT1/4"	PTFE
2N200MN4314PV	D08	NPT1/4"	PVDF
2N200MN4318PN	D08	NPT1/8"	PP-NATUR
2N200MN4318PP	D08	NPT1/8"	PP
2N200MN4318PT	D08	NPT1/8"	PTFE
2N200MN4318PV	D08	NPT1/8"	PVDF
2N200MN4338PP	D08	NPT3/8"	PP
2N200MN4338PT	D08	NPT3/8"	PTFE
2N200MN4338PV	D08	NPT3/8"	PVDF
2N200MN4512PP	D10	NPT1/2"	PP
2N200MN4512PT	D10	NPT1/2"	PTFE
2N200MN4512PV	D10	NPT1/2"	PVDF
2N200MN4514PF	D10	NPT1/4"	PFA
2N200MN4514PP	D10	NPT1/4"	PP
2N200MN4514PT	D10	NPT1/4"	PTFE
2N200MN4514PV	D10	NPT1/4"	PVDF
2N200MN4518PN	D10	NPT1/8"	PP-NATUR
2N200MN4518PP	D10	NPT1/8"	PP
2N200MN4518PT	D10	NPT1/8"	PTFE
2N200MN4518PV	D10	NPT1/8"	PVDF
2N200MN4538PP	D10	NPT3/8"	PP
2N200MN4538PT	D10	NPT3/8"	PTFE
2N200MN4538PV	D10	NPT3/8"	PVDF
2N200MN4812PF	D12	NPT1/2"	PFA
2N200MN4812PP	D12	NPT1/2"	PP
2N200MN4812PT	D12	NPT1/2"	PTFE
2N200MN4812PV	D12	NPT1/2"	PVDF
2N200MN4814PF	D12	NPT1/4"	PFA
2N200MN4814PN	D12	NPT1/4"	PP-NATUR
2N200MN4814PP	D12	NPT1/4"	PP
2N200MN4814PT	D12	NPT1/4"	PTFE
2N200MN4814PV	D12	NPT1/4"	PVDF
2N200MN4818PP	D12	NPT1/8"	PP
2N200MN4818PT	D12	NPT1/8"	PTFE
2N200MN4818PV	D12	NPT1/8"	PVDF
2N200MN4838PP	D12	NPT3/8"	PP
2N200MN4838PT	D12	NPT3/8"	PTFE
2N200MN4838PV	D12	NPT3/8"	PVDF
2N200MN5112PF	D14	NPT1/2"	PFA
2N200MN5112PP	D14	NPT1/2"	PP
2N200MN5112PT	D14	NPT1/2"	PTFE
2N200MN5112PV	D14	NPT1/2"	PVDF
2N200MN5114PP	D14	NPT1/4"	PP
2N200MN5114PT	D14	NPT1/4"	PTFE
2N200MN5114PV	D14	NPT1/4"	PVDF

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Elbow connector for pipe (Series 2N) with male NPT-thread

2

Article-Nr	Connection A	Connection B	Material
2N200MN5118PP	D14	NPT1/8"	PP
2N200MN5118PT	D14	NPT1/8"	PTFE
2N200MN5118PV	D14	NPT1/8"	PVDF
2N200MN5138PP	D14	NPT3/8"	PP
2N200MN5138PT	D14	NPT3/8"	PTFE
2N200MN5138PV	D14	NPT3/8"	PVDF
2N200MN5312PP	D16	NPT1/2"	PP
2N200MN5312PT	D16	NPT1/2"	PTFE
2N200MN5312PV	D16	NPT1/2"	PVDF
2N200MN5314PP	D16	NPT1/4"	PP
2N200MN5314PT	D16	NPT1/4"	PTFE
2N200MN5314PV	D16	NPT1/4"	PVDF
2N200MN5338PP	D16	NPT3/8"	PP
2N200MN5338PT	D16	NPT3/8"	PTFE
2N200MN5338PV	D16	NPT3/8"	PVDF
2N200MN5512PP	D18	NPT1/2"	PP
2N200MN5512PV	D18	NPT1/2"	PVDF
2N200MN5514PV	D18	NPT1/4"	PVDF
2N200MN5712PP	D20	NPT1/2"	PP
2N200MN5712PV	D20	NPT1/2"	PVDF
2N200MN5714PN	D20	NPT1/4"	PP-NATUR
2N200MN5714PV	D20	NPT1/4"	PVDF
2N200MN6112PP	D25	NPT1/2"	PP
2N200MN6134PP	D25	NPT3/4"	PP
2N200MN6138PP	D25	NPT3/8"	PP

Dimensions 2N200MN. . .

A(D)	B(NPT)	l3	~L16	~L17	ØD4
4	1/8"	10	12	26	13
4	1/4"	15	12	26	15
4	3/8"	15.3	15	28	20
4	1/2"	20	15	31	25
6	1/8"	10	15	36	15
6	1/4"	15	15	36	15
6	3/8"	15.3	15	39	20
6	1/2"	20	15	42	25
8	1/8"	10	16	36	15
8	1/4"	15	16	36	15
8	3/8"	15.3	16	39	20
8	1/2"	20	16	42	25
10	1/8"	10	18	42	20
10	1/4"	15	18	42	20
10	3/8"	15.3	18	42	20
10	1/2"	20	18	45	25
12	1/8"	10	20	45	20
12	1/4"	15	20	45	20
12	3/8"	15.3	20	45	20
12	1/2"	20	20	48	25
14	1/8"	10	22	48	25
14	1/4"	15	22	48	25
14	3/8"	15.3	22	48	25
14	1/2"	20	22	48	25
15	1/8"	10	22	48	25
15	1/4"	15	22	48	25
15	3/8"	15.3	22	48	25
15	1/2"	20	22	48	25
16	1/4"	15	24	50	30
16	3/8"	15.3	24	50	30
16	1/2"	20	24	50	30
18	1/4"	15	26	59	30
18	3/8"	15.3	26	59	30

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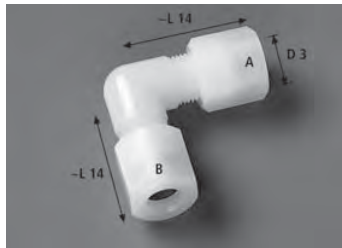
Elbow connector for pipe (Series 2N) with male NPT-thread

2

A(D)	B(NPT)	I3	~L16	~L17	ØD4
18	1/2"	20	26	59	30
20	1/4"	15	26	59	30
20	3/8"	15.3	26	59	30
20	1/2"	20	26	59	30
20	3/4"	20	26	59	30
22	3/8"	15.3	27	67	45
22	1/2"	20	27	67	45
22	3/4"	20	27	67	45
22	1"	25	27	67	45
25	1/2"	20	27	68	45
25	3/4"	20	27	68	45
25	1"	25	27	68	45
1/8"	1/8"	10	10	28	13
1/8"	1/4"	15	10	28	15
1/8"	3/8"	15.3	15	31	20
1/8"	1/2"	20	15	34	25
1/4"	1/8"	10	16	37	15
1/4"	1/4"	15	16	37	15
1/4"	3/8"	15.3	16	40	20
1/4"	1/2"	20	16	43	25
3/8"	1/8"	10	15	42	20
3/8"	1/4"	15	18	42	20
3/8"	3/8"	15.3	18	42	20
3/8"	1/2"	20	18	45	25
1/2"	1/8"	10	20	46	20
1/2"	1/4"	15	20	46	20
1/2"	3/8"	15.3	20	46	20
1/2"	1/2"	20	20	49	25
3/4"	1/4"	15	24	52	30
3/4"	3/8"	15.3	24	52	30
3/4"	1/2"	20	24	52	30
3/4"	3/4"	20	24	52	30

Elbow union for pipe on both ends (Series 2N)

2



Article-Nr	Connection A	Connection B	Material
2N200P03PF	D1/8"	D1/8"	PFA
2N200P03PP	D1/8"	D1/8"	PP
2N200P03PV	D1/8"	D1/8"	PVDF
2N200P0503PV	D1/4"	D1/8"	PVDF
2N200P0538PT	D1/4"	D04	PTFE
2N200P05PF	D1/4"	D1/4"	PFA
2N200P05PP	D1/4"	D1/4"	PP
2N200P05PT	D1/4"	D1/4"	PTFE
2N200P05PV	D1/4"	D1/4"	PVDF
2N200P11PF	D3/8"	D3/8"	PFA
2N200P11PP	D3/8"	D3/8"	PP
2N200P11PV	D3/8"	D3/8"	PVDF
2N200P1505PF	D1/2"	D1/4"	PFA
2N200P1511PT	D1/2"	D3/8"	PTFE
2N200P15PF	D1/2"	D1/2"	PFA
2N200P15PP	D1/2"	D1/2"	PP
2N200P15PV	D1/2"	D1/2"	PVDF
2N200P20PT	D3/4"	D3/4"	PTFE
2N200P20PV	D3/4"	D3/4"	PVDF
2N200P38PF	D04	D04	PFA
2N200P38PN	D04	D04	PP-NATUR
2N200P38PP	D04	D04	PP
2N200P38PT	D04	D04	PTFE
2N200P38PV	D04	D04	PVDF
2N200P4003PF	D06	D1/8"	PFA
2N200P4003PT	D06	D1/8"	PTFE
2N200P4005PT	D06	D1/4"	PTFE
2N200P4038PP	D06	D04	PP
2N200P4038PT	D06	D04	PTFE
2N200P4038PV	D06	D04	PVDF
2N200P40PF	D06	D06	PFA
2N200P40PK	D06	D06	PEEK
2N200P40PP	D06	D06	PP
2N200P40PT	D06	D06	PTFE
2N200P40PV	D06	D06	PVDF
2N200P4338PP	D08	D04	PP
2N200P4338PT	D08	D04	PTFE
2N200P4340PF	D08	D06	PFA
2N200P4340PP	D08	D06	PP
2N200P4340PT	D08	D06	PTFE
2N200P4340PV	D08	D06	PVDF
2N200P43PF	D08	D08	PFA
2N200P43PP	D08	D08	PP
2N200P43PT	D08	D08	PTFE
2N200P43PV	D08	D08	PVDF
2N200P4538PP	D10	D04	PP
2N200P4540PF	D10	D06	PFA
2N200P4540PP	D10	D06	PP
2N200P4540PT	D10	D06	PTFE
2N200P4540PV	D10	D06	PVDF
2N200P4543PF	D10	D08	PFA
2N200P4543PT	D10	D08	PTFE
2N200P4543PV	D10	D08	PVDF
2N200P45PF	D10	D10	PFA
2N200P45PP	D10	D10	PP
2N200P45PT	D10	D10	PTFE
2N200P45PV	D10	D10	PVDF
2N200P4805PF	D12	D1/4"	PFA
2N200P4840PF	D12	D06	PFA
2N200P4840PP	D12	D06	PP
2N200P4840PT	D12	D06	PTFE
2N200P4840PV	D12	D06	PVDF

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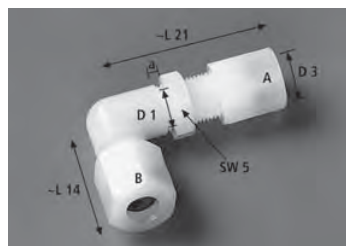
Article-Nr	Connection A	Connection B	Material
2N200P4843PT	D12	D08	PTFE
2N200P4845PF	D12	D10	PFA
2N200P4845PP	D12	D10	PP
2N200P4845PT	D12	D10	PTFE
2N200P4845PV	D12	D10	PVDF
2N200P48PF	D12	D12	PFA
2N200P48PK	D12	D12	PEEK
2N200P48PN	D12	D12	PP-NATUR
2N200P48PP	D12	D12	PP
2N200P48PT	D12	D12	PTFE
2N200P48PV	D12	D12	PVDF
2N200P51PP	D14	D14	PP
2N200P51PT	D14	D14	PTFE
2N200P51PV	D14	D14	PVDF
2N200P52PP	D15	D15	PP
2N200P5315PP	D16	D1/2"	PP
2N200P5345PT	D16	D10	PTFE
2N200P5345PV	D16	D10	PVDF
2N200P5348PF	D16	D12	PFA
2N200P5348PT	D16	D12	PTFE
2N200P53PF	D16	D16	PFA
2N200P53PP	D16	D16	PP
2N200P53PT	D16	D16	PTFE
2N200P53PV	D16	D16	PVDF
2N200P5553PT	D18	D16	PTFE
2N200P55PF	D18	D18	PFA
2N200P55PT	D18	D18	PTFE
2N200P5748PP	D20	D12	PP
2N200P5748PT	D20	D12	PTFE
2N200P57PN	D20	D20	PP-NATUR
2N200P57PP	D20	D20	PP
2N200P57PT	D20	D20	PTFE
2N200P57PV	D20	D20	PVDF
2N200P59PV	D22	D22	PVDF
2N200P61PP	D25	D25	PP
2N200P61PT	D25	D25	PTFE
2N200P61PV	D25	D25	PVDF

Dimensions 2N200P . . .

A(D)	B(D)	~L14	ØD3
4	4	26	13
6	6	39	15
8	8	40	15
10	10	45	20
12	12	49	20
14	14	51	25
15	15	51	25
16	16	53	30
18	18	59	30
20	20	59	30
22	22	69	45
25	25	68	45
1/8"	1/8"	29	15
1/4"	1/4"	40	15
3/8"	3/8"	45	20
1/2"	1/2"	49	20
3/4"	3/4"	59	30

Elbow bulkhead union for pipe on both ends (Series 2N)

2



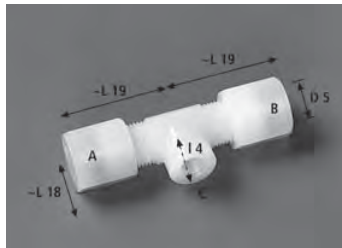
Article-Nr	Connection A	Connection B	Material
2N201P05PF	D1/4"	D1/4"	PFA
2N201P05PV	D1/4"	D1/4"	PVDF
2N201P38PP	D04	D04	PP
2N201P38PT	D04	D04	PTFE
2N201P38PV	D04	D04	PVDF
2N201P4038PT	D06	D04	PTFE
2N201P4038PV	D06	D04	PVDF
2N201P4043PT	D06	D08	PTFE
2N201P40PP	D06	D06	PP
2N201P40PT	D06	D06	PTFE
2N201P40PV	D06	D06	PVDF
2N201P4311PT	D08	D3/8"	PTFE
2N201P43PF	D08	D08	PFA
2N201P43PP	D08	D08	PP
2N201P43PT	D08	D08	PTFE
2N201P43PV	D08	D08	PVDF
2N201P4540PP	D10	D06	PP
2N201P45PF	D10	D10	PFA
2N201P45PP	D10	D10	PP
2N201P45PT	D10	D10	PTFE
2N201P45PV	D10	D10	PVDF
2N201P48PP	D12	D12	PP
2N201P48PT	D12	D12	PTFE
2N201P48PV	D12	D12	PVDF
2N201P51PP	D14	D14	PP
2N201P51PT	D14	D14	PTFE
2N201P51PV	D14	D14	PVDF
2N201P55PV	D18	D18	PVDF
2N201P57PP	D20	D20	PP
2N201P57PV	D20	D20	PVDF

Dimensions 2N201P. . .

A(D)	B(D)	~L14	~L21	ØD1	ØD3	SW5	a
4	4	26	42	8.5	13	14	9
6	6	36	57	12.5	15	17	9
8	8	39	58	14.5	15	19	9
10	10	39	65	16.5	20	22	10
12	12	49	73	18.5	20	24	12
14	14	48	79	22.5	25	27	14
15	15	48	81	22.5	25	27	16
16	16	50	82	24.5	30	32	16
18	18	59	91	26.5	30	32	16
20	20	59	92	27.5	30	32	18
22	22	69	98	30.5	45	36	18
25	25	68	101	33.5	45	43	18
1/8"	1/8"	28	46	8.5	15	14	9
1/4"	1/4"	37	58	12.5	15	17	9
3/8"	3/8"	45	60	16.5	20	22	10
1/2"	1/2"	49	67	18.5	20	24	12
3/4"	3/4"	59	91	26.5	30	32	16

T-connector for pipe (Series 2N) with female G-thread

2



Article-Nr	Connection A	Connection B	Connection C	Material
2N300FG0318PV	D1/8"	D1/8"	G1/8"	PVDF
2N300FG0512PT	D1/4"	D1/4"	G1/2"	PTFE
2N300FG0514PP	D1/4"	D1/4"	G1/4"	PP
2N300FG0514PV	D1/4"	D1/4"	G1/4"	PVDF
2N300FG0518PP	D1/4"	D1/4"	G1/8"	PP
2N300FG1112PV	D3/8"	D3/8"	G1/2"	PVDF
2N300FG1512PV	D1/2"	D1/2"	G1/2"	PVDF
2N300FG4012PT	D06	D06	G1/2"	PTFE
2N300FG4012PV	D06	D06	G1/2"	PVDF
2N300FG4014PT	D06	D06	G1/4"	PTFE
2N300FG4014PV	D06	D06	G1/4"	PVDF
2N300FG4018PP	D06	D06	G1/8"	PP
2N300FG4018PT	D06	D06	G1/8"	PTFE
2N300FG4312PV	D08	D08	G1/2"	PVDF
2N300FG4314PT	D08	D08	G1/4"	PTFE
2N300FG4318PV	D08	D08	G1/8"	PVDF
2N300FG4338PT	D08	D08	G3/8"	PTFE
2N300FG4514PF	D10	D10	G1/4"	PFA
2N300FG4514PP	D10	D10	G1/4"	PP
2N300FG4538PP	D10	D10	G3/8"	PP
2N300FG4812PF	D12	D12	G1/2"	PFA
2N300FG4812PP	D12	D12	G1/2"	PP
2N300FG4812PT	D12	D12	G1/2"	PTFE
2N300FG4812PV	D12	D12	G1/2"	PVDF
2N300FG4814PP	D12	D12	G1/4"	PP
2N300FG4814PV	D12	D12	G1/4"	PVDF
2N300FG4838PP	D12	D12	G3/8"	PP
2N300FG4838PT	D12	D12	G3/8"	PTFE
2N300FG4838PV	D12	D12	G3/8"	PVDF
2N300FG5114PP	D14	D14	G1/4"	PP
2N300FG5312PP	D16	D16	G1/2"	PP
2N300FG5312PV	D16	D16	G1/2"	PVDF
2N300FG5314PV	D16	D16	G1/4"	PVDF
2N300FG5334PT	D16	D16	G3/4"	PTFE
2N300FG5338PV	D16	D16	G3/8"	PVDF
2N300FG5514PV	D18	D18	G1/4"	PVDF
2N300FG5712PP	D20	D20	G1/2"	PP
2N300FG5712PV	D20	D20	G1/2"	PVDF
2N300FG5734PP	D20	D20	G3/4"	PP
2N300FG5734PV	D20	D20	G3/4"	PVDF

Dimensions 2N300FG...

A(D)	B(D)	C(G)	l4	~L18	~L19	ØD5
4	4	1/8"	10	17	26	15
4	4	1/4"	15	20	28	20
4	4	3/8"	15	20	31	25
4	4	1/2"	16	20	31	25
6	6	1/8"	10	17	36	15
6	6	1/4"	15	20	39	20
6	6	3/8"	15	20	42	25
6	6	1/2"	16	20	44	30
8	8	1/8"	10	17	36	15
8	8	1/4"	15	20	39	20
8	8	3/8"	15	20	42	25
8	8	1/2"	16	20	44	30
10	10	1/4"	15	23	42	20
10	10	3/8"	15	23	45	25
10	10	1/2"	16	23	47	30
12	12	1/4"	15	23	45	20
12	12	3/8"	15	23	48	25
12	12	1/2"	16	23	50	30

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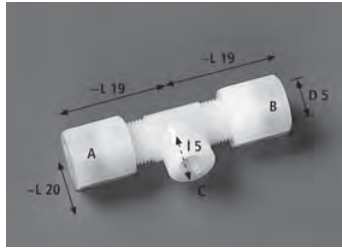
T-connector for pipe (Series 2N) with female
G-thread

2

A(D)	B(D)	C(G)	I4	~L18	~L19	ØD5
14	14	1/4"	15	23	48	25
14	14	3/8"	15	23	48	25
14	14	1/2"	16	25	50	30
15	15	3/8"	15	23	48	25
15	15	1/2"	16	25	50	30
16	16	3/8"	15	25	53	30
16	16	1/2"	16	25	53	30
20	20	1/2"	16	30	59	30
1/8"	1/8"	1/8"	10	17	28	15
1/8"	1/8"	1/4"	15	20	31	20
1/8"	1/8"	3/8"	15	20	31	20
1/4"	1/4"	1/8"	10	17	37	15
1/4"	1/4"	1/4"	15	20	40	20
1/4"	1/4"	3/8"	15	20	43	25
3/8"	3/8"	1/4"	15	23	42	20
3/8"	3/8"	3/8"	15	23	45	25
1/2"	1/2"	1/4"	15	23	46	20
1/2"	1/2"	3/8"	15	23	49	25

T-connector for pipe (Series 2N) with female NPT-thread

2



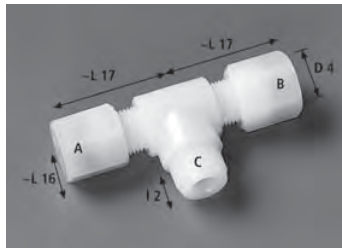
Article-Nr	Connection A	Connection B	Connection C	Material
2N300FN0318PP	D1/8"	D1/8"	NPT1/8"	PP
2N300FN0514PT	D1/4"	D1/4"	NPT1/4"	PTFE
2N300FN0514PV	D1/4"	D1/4"	NPT1/4"	PVDF
2N300FN1512PT	D1/2"	D1/2"	NPT1/2"	PTFE
2N300FN4014PV	D06	D06	NPT1/4"	PVDF
2N300FN4314PP	D08	D08	NPT1/4"	PP
2N300FN4812PV	D12	D12	NPT1/2"	PVDF

Dimensions 2N300FN . . .

A(D)	B(D)	C(NPT)	I5	~L20	~L19	ØD5
4	4	1/8"	11.6	17	25	15
4	4	1/4"	16.4	20	28	20
4	4	3/8"	17.4	20	31	25
4	4	1/2"	22.6	20	33	30
6	6	1/8"	11.6	17	36	15
6	6	1/4"	16.4	20	39	20
6	6	3/8"	17.4	20	42	25
6	6	1/2"	22.6	20	44	30
8	8	1/8"	11.6	17	36	15
8	8	1/4"	16.4	20	39	20
8	8	3/8"	17.4	20	42	25
8	8	1/2"	22.6	20	44	30
10	10	1/4"	16.4	23	42	20
10	10	3/8"	17.4	23	45	25
10	10	1/2"	22.6	23	47	30
12	12	1/4"	16.4	23	45	20
12	12	3/8"	17.4	23	48	25
12	12	1/2"	22.6	25	50	30
14	14	1/4"	16.4	23	48	25
14	14	3/8"	17.4	23	48	25
14	14	1/2"	22.6	25	50	30
15	15	3/8"	17.4	23	48	25
15	15	1/2"	22.6	25	50	30
16	16	3/8"	17.4	25	53	30
16	16	1/2"	22.6	32	53	30
20	20	1/2"	22.6	38	59	30
1/8"	1/8"	1/8"	11.6	17	28	15
1/8"	1/8"	1/4"	16.4	20	31	20
1/8"	1/8"	3/8"	17.4	22	31	20
1/4"	1/4"	1/8"	11.6	17	37	15
1/4"	1/4"	1/4"	16.4	20	40	20
1/4"	1/4"	3/8"	17.4	22	43	25
3/8"	3/8"	1/4"	16.4	24	42	20
3/8"	3/8"	3/8"	17.4	24	45	25
1/2"	1/2"	1/4"	16.4	24	46	20
1/2"	1/2"	3/8"	17.4	24	49	25

T-connector for pipe (Series 2N) with male G-thread

2



Article-Nr	Connection A	Connection B	Connection C	Material
2N300MG0514PF	D1/4"	D1/4"	G1/4"	PFA
2N300MG0514PP	D1/4"	D1/4"	G1/4"	PP
2N300MG0514PT	D1/4"	D1/4"	G1/4"	PTFE
2N300MG0514PV	D1/4"	D1/4"	G1/4"	PVDF
2N300MG0518PF	D1/4"	D1/4"	G1/8"	PFA
2N300MG1114PT	D3/8"	D3/8"	G1/4"	PTFE
2N300MG1512PP	D1/2"	D1/2"	G1/2"	PP
2N300MG3812PN	D04	D04	G1/2"	PP-NATUR
2N300MG3812PP	D04	D04	G1/2"	PP
2N300MG3812PT	D04	D04	G1/2"	PTFE
2N300MG3812PV	D04	D04	G1/2"	PVDF
2N300MG3814PN	D04	D04	G1/4"	PP-NATUR
2N300MG3814PP	D04	D04	G1/4"	PP
2N300MG3814PT	D04	D04	G1/4"	PTFE
2N300MG3814PV	D04	D04	G1/4"	PVDF
2N300MG3818PN	D04	D04	G1/8"	PP-NATUR
2N300MG3818PP	D04	D04	G1/8"	PP
2N300MG3818PT	D04	D04	G1/8"	PTFE
2N300MG3818PV	D04	D04	G1/8"	PVDF
2N300MG3838PP	D04	D04	G3/8"	PP
2N300MG3838PT	D04	D04	G3/8"	PTFE
2N300MG3838PV	D04	D04	G3/8"	PVDF
2N300MG4012PP	D06	D06	G1/2"	PP
2N300MG4012PT	D06	D06	G1/2"	PTFE
2N300MG4012PV	D06	D06	G1/2"	PVDF
2N300MG4014PF	D06	D06	G1/4"	PFA
2N300MG4014PK	D06	D06	G1/4"	PEEK
2N300MG4014PP	D06	D06	G1/4"	PP
2N300MG4014PT	D06	D06	G1/4"	PTFE
2N300MG4014PV	D06	D06	G1/4"	PVDF
2N300MG4018PP	D06	D06	G1/8"	PP
2N300MG4018PT	D06	D06	G1/8"	PTFE
2N300MG4018PV	D06	D06	G1/8"	PVDF
2N300MG4038PF	D06	D06	G3/8"	PFA
2N300MG4038PP	D06	D06	G3/8"	PP
2N300MG4038PT	D06	D06	G3/8"	PTFE
2N300MG4038PV	D06	D06	G3/8"	PVDF
2N300MG4312PP	D08	D08	G1/2"	PP
2N300MG4312PT	D08	D08	G1/2"	PTFE
2N300MG4312PV	D08	D08	G1/2"	PVDF
2N300MG4314PF	D08	D08	G1/4"	PFA
2N300MG4314PP	D08	D08	G1/4"	PP
2N300MG4314PT	D08	D08	G1/4"	PTFE
2N300MG4314PV	D08	D08	G1/4"	PVDF
2N300MG4318PP	D08	D08	G1/8"	PP
2N300MG4318PPFP	D08	D08	G1/8"	PP/FPM
2N300MG4318PT	D08	D08	G1/8"	PTFE
2N300MG4318PV	D08	D08	G1/8"	PVDF
2N300MG4338PP	D08	D08	G3/8"	PP
2N300MG4338PT	D08	D08	G3/8"	PTFE
2N300MG4338PV	D08	D08	G3/8"	PVDF
2N300MG4512PF	D10	D10	G1/2"	PFA
2N300MG4512PP	D10	D10	G1/2"	PP
2N300MG4512PT	D10	D10	G1/2"	PTFE
2N300MG4512PV	D10	D10	G1/2"	PVDF
2N300MG4514PF	D10	D10	G1/4"	PFA
2N300MG4514PP	D10	D10	G1/4"	PP
2N300MG4514PT	D10	D10	G1/4"	PTFE
2N300MG4514PV	D10	D10	G1/4"	PVDF
2N300MG4518PP	D10	D10	G1/8"	PP
2N300MG4518PT	D10	D10	G1/8"	PTFE
2N300MG4518PV	D10	D10	G1/8"	PVDF

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T-connector for pipe (Series 2N) with male G-thread

2

Article-Nr	Connection A	Connection B	Connection C	Material
2N300MG4538PF	D10	D10	G3/8"	PFA
2N300MG4538PP	D10	D10	G3/8"	PP
2N300MG4538PT	D10	D10	G3/8"	PTFE
2N300MG4538PV	D10	D10	G3/8"	PVDF
2N300MG4812PF	D12	D12	G1/2"	PFA
2N300MG4812PP	D12	D12	G1/2"	PP
2N300MG4812PT	D12	D12	G1/2"	PTFE
2N300MG4812PV	D12	D12	G1/2"	PVDF
2N300MG4814PF	D12	D12	G1/4"	PFA
2N300MG4814PP	D12	D12	G1/4"	PP
2N300MG4814PT	D12	D12	G1/4"	PTFE
2N300MG4814PV	D12	D12	G1/4"	PVDF
2N300MG4818PP	D12	D12	G1/8"	PP
2N300MG4818PT	D12	D12	G1/8"	PTFE
2N300MG4818PV	D12	D12	G1/8"	PVDF
2N300MG4838PP	D12	D12	G3/8"	PP
2N300MG4838PPEP	D12	D12	G3/8"	PP/EPDM
2N300MG4838PT	D12	D12	G3/8"	PTFE
2N300MG4838PV	D12	D12	G3/8"	PVDF
2N300MG5112PP	D14	D14	G1/2"	PP
2N300MG5112PT	D14	D14	G1/2"	PTFE
2N300MG5112PV	D14	D14	G1/2"	PVDF
2N300MG5114PP	D14	D14	G1/4"	PP
2N300MG5114PT	D14	D14	G1/4"	PTFE
2N300MG5114PV	D14	D14	G1/4"	PVDF
2N300MG5118PP	D14	D14	G1/8"	PP
2N300MG5118PT	D14	D14	G1/8"	PTFE
2N300MG5118PV	D14	D14	G1/8"	PVDF
2N300MG5138PP	D14	D14	G3/8"	PP
2N300MG5138PT	D14	D14	G3/8"	PTFE
2N300MG5138PV	D14	D14	G3/8"	PVDF
2N300MG5212PP	D15	D15	G1/2"	PP
2N300MG5312PP	D16	D16	G1/2"	PP
2N300MG5312PT	D16	D16	G1/2"	PTFE
2N300MG5312PV	D16	D16	G1/2"	PVDF
2N300MG5338PT	D16	D16	G3/8"	PTFE
2N300MG5512PT	D18	D18	G1/2"	PTFE
2N300MG5514PT	D18	D18	G1/4"	PTFE
2N300MG5712PP	D20	D20	G1/2"	PP
2N300MG5712PV	D20	D20	G1/2"	PVDF
2N300MG5738PP	D20	D20	G3/8"	PP
2N300MG5738PV	D20	D20	G3/8"	PVDF
2N300MG6114PT	D25	D25	G1/4"	PTFE

Dimensions 2N300MG. . .

A(D)	B(D)	C(G)	l2	~L16	~L17	ØD4
4	4	1/8"	8	12	26	15
4	4	1/4"	12	12	26	15
4	4	3/8"	12	15	28	20
4	4	1/2"	14	15	31	25
6	6	1/8"	8	15	36	15
6	6	1/4"	12	15	36	15
6	6	3/8"	12	15	39	20
6	6	1/2"	14	15	42	25
8	8	1/8"	8	16	36	15
8	8	1/4"	12	16	36	15
8	8	3/8"	12	16	39	20
8	8	1/2"	14	16	42	25
10	10	1/4"	12	18	42	20
10	10	3/8"	12	18	42	20
10	10	1/2"	14	18	45	25

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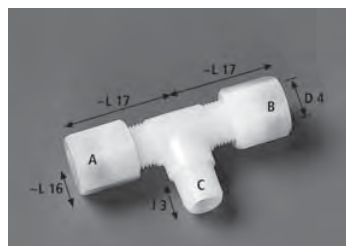
T-connector for pipe (Series 2N) with male
G-thread

2

A(D)	B(D)	C(G)	l2	~L16	~L17	ØD4
12	12	1/4"	12	20	45	20
12	12	3/8"	12	20	45	20
12	12	1/2"	14	20	48	25
14	14	1/4"	12	22	48	25
14	14	3/8"	12	22	48	25
14	14	1/2"	14	22	48	25
15	15	3/8"	12	22	48	25
15	15	1/2"	14	22	48	25
16	16	3/8"	12	23	50	30
16	16	1/2"	14	23	50	30
20	20	1/2"	14	26	59	30
1/8"	1/8"	1/8"	8	10	28	15
1/8"	1/8"	1/4"	12	10	28	15
1/8"	1/8"	3/8"	12	15	31	20
1/4"	1/4"	1/8"	8	15	37	15
1/4"	1/4"	1/4"	12	15	37	15
1/4"	1/4"	3/8"	12	15	40	20
3/8"	3/8"	1/4"	12	20	42	20
3/8"	3/8"	3/8"	12	20	42	20
1/2"	1/2"	1/4"	12	20	49	20
1/2"	1/2"	3/8"	12	20	49	20

T-connector for pipe (Series 2N) with male NPT-thread

2



Article-Nr	Connection A	Connection B	Connection C	Material
2N300MN0314PP	D1/8"	D1/8"	NPT1/4"	PP
2N300MN0314PT	D1/8"	D1/8"	NPT1/4"	PTFE
2N300MN0512PF	D1/4"	D1/4"	NPT1/2"	PFA
2N300MN0514PT	D1/4"	D1/4"	NPT1/4"	PTFE
2N300MN0518PP	D1/4"	D1/4"	NPT1/8"	PP
2N300MN1512PT	D1/2"	D1/2"	NPT1/2"	PTFE
2N300MN3812PP	D04	D04	NPT1/2"	PP
2N300MN3812PT	D04	D04	NPT1/2"	PTFE
2N300MN3812PV	D04	D04	NPT1/2"	PVDF
2N300MN3814PP	D04	D04	NPT1/4"	PP
2N300MN3814PT	D04	D04	NPT1/4"	PTFE
2N300MN3814PV	D04	D04	NPT1/4"	PVDF
2N300MN3818PP	D04	D04	NPT1/8"	PP
2N300MN3818PT	D04	D04	NPT1/8"	PTFE
2N300MN3818PV	D04	D04	NPT1/8"	PVDF
2N300MN3838PP	D04	D04	NPT3/8"	PP
2N300MN3838PT	D04	D04	NPT3/8"	PTFE
2N300MN3838PV	D04	D04	NPT3/8"	PVDF
2N300MN4012PP	D06	D06	NPT1/2"	PP
2N300MN4012PT	D06	D06	NPT1/2"	PTFE
2N300MN4012PV	D06	D06	NPT1/2"	PVDF
2N300MN4014PF	D06	D06	NPT1/4"	PFA
2N300MN4014PP	D06	D06	NPT1/4"	PP
2N300MN4014PT	D06	D06	NPT1/4"	PTFE
2N300MN4014PV	D06	D06	NPT1/4"	PVDF
2N300MN4018PF	D06	D06	NPT1/8"	PFA
2N300MN4018PP	D06	D06	NPT1/8"	PP
2N300MN4018PT	D06	D06	NPT1/8"	PTFE
2N300MN4018PV	D06	D06	NPT1/8"	PVDF
2N300MN4038PP	D06	D06	NPT3/8"	PP
2N300MN4038PT	D06	D06	NPT3/8"	PTFE
2N300MN4038PV	D06	D06	NPT3/8"	PVDF
2N300MN4312PP	D08	D08	NPT1/2"	PP
2N300MN4312PT	D08	D08	NPT1/2"	PTFE
2N300MN4312PV	D08	D08	NPT1/2"	PVDF
2N300MN4314PF	D08	D08	NPT1/4"	PFA
2N300MN4314PP	D08	D08	NPT1/4"	PP
2N300MN4314PT	D08	D08	NPT1/4"	PTFE
2N300MN4314PV	D08	D08	NPT1/4"	PVDF
2N300MN4318PP	D08	D08	NPT1/8"	PP
2N300MN4318PT	D08	D08	NPT1/8"	PTFE
2N300MN4318PV	D08	D08	NPT1/8"	PVDF
2N300MN4338PP	D08	D08	NPT3/8"	PP
2N300MN4338PT	D08	D08	NPT3/8"	PTFE
2N300MN4338PV	D08	D08	NPT3/8"	PVDF
2N300MN4512PP	D10	D10	NPT1/2"	PP
2N300MN4512PT	D10	D10	NPT1/2"	PTFE
2N300MN4512PV	D10	D10	NPT1/2"	PVDF
2N300MN4514PP	D10	D10	NPT1/4"	PP
2N300MN4514PT	D10	D10	NPT1/4"	PTFE
2N300MN4514PV	D10	D10	NPT1/4"	PVDF
2N300MN4518PP	D10	D10	NPT1/8"	PP
2N300MN4518PT	D10	D10	NPT1/8"	PTFE
2N300MN4518PV	D10	D10	NPT1/8"	PVDF
2N300MN4538PP	D10	D10	NPT3/8"	PP
2N300MN4538PT	D10	D10	NPT3/8"	PTFE
2N300MN4538PV	D10	D10	NPT3/8"	PVDF
2N300MN4812PF	D12	D12	NPT1/2"	PFA
2N300MN4812PP	D12	D12	NPT1/2"	PP
2N300MN4812PT	D12	D12	NPT1/2"	PTFE
2N300MN4812PV	D12	D12	NPT1/2"	PVDF
2N300MN4814PP	D12	D12	NPT1/4"	PP

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T-connector for pipe (Series 2N) with male NPT-thread

2

Article-Nr	Connection A	Connection B	Connection C	Material
2N300MN4814PT	D12	D12	NPT1/4"	PTFE
2N300MN4814PV	D12	D12	NPT1/4"	PVDF
2N300MN4818PP	D12	D12	NPT1/8"	PP
2N300MN4818PT	D12	D12	NPT1/8"	PTFE
2N300MN4818PV	D12	D12	NPT1/8"	PVDF
2N300MN4838PP	D12	D12	NPT3/8"	PP
2N300MN4838PT	D12	D12	NPT3/8"	PTFE
2N300MN4838PV	D12	D12	NPT3/8"	PVDF
2N300MN5112PP	D14	D14	NPT1/2"	PP
2N300MN5112PT	D14	D14	NPT1/2"	PTFE
2N300MN5112PV	D14	D14	NPT1/2"	PVDF
2N300MN5114PP	D14	D14	NPT1/4"	PP
2N300MN5114PT	D14	D14	NPT1/4"	PTFE
2N300MN5114PV	D14	D14	NPT1/4"	PVDF
2N300MN5118PP	D14	D14	NPT1/8"	PP
2N300MN5118PT	D14	D14	NPT1/8"	PTFE
2N300MN5118PV	D14	D14	NPT1/8"	PVDF
2N300MN5138PP	D14	D14	NPT3/8"	PP
2N300MN5138PT	D14	D14	NPT3/8"	PTFE
2N300MN5138PV	D14	D14	NPT3/8"	PVDF
2N300MN5312PP	D16	D16	NPT1/2"	PP
2N300MN5312PT	D16	D16	NPT1/2"	PTFE
2N300MN5312PV	D16	D16	NPT1/2"	PVDF

Dimensions 2N300MN...

A(D)	B(D)	C(NPT)	l3	~L16	~L17	ØD4
4	4	1/8"	10	12	26	13
4	4	1/4"	15	12	26	15
4	4	3/8"	15.3	15	28	20
4	4	1/2"	20	15	31	25
6	6	1/8"	10	15	36	15
6	6	1/4"	15	15	36	15
6	6	3/8"	15.3	15	39	20
6	6	1/2"	20	15	42	25
8	8	1/8"	10	16	36	15
8	8	1/4"	15	16	36	15
8	8	3/8"	15.3	16	39	20
8	8	1/2"	20	16	42	25
10	10	1/4"	15	18	42	20
10	10	3/8"	15.3	18	42	20
10	10	1/2"	20	18	45	25
12	12	1/4"	15	20	45	20
12	12	3/8"	15.3	20	45	20
12	12	1/2"	20	20	48	25
14	14	1/4"	15	22	48	25
14	14	3/8"	15.3	22	48	25
14	14	1/2"	20	22	48	25
15	15	3/8"	15.3	22	48	25
15	15	1/2"	20	22	48	25
16	16	3/8"	15.3	24	50	30
16	16	1/2"	20	24	50	30
20	20	1/2"	20	26	59	30
1/8"	1/8"	1/8"	10	10	28	15
1/8"	1/8"	1/4"	15	10	28	15
1/8"	1/8"	3/8"	15.3	15	31	20
1/4"	1/4"	1/8"	10	16	37	15
1/4"	1/4"	1/4"	15	16	37	15
1/4"	1/4"	3/8"	15.3	16	40	20
3/8"	3/8"	1/8"	10	15	42	20
3/8"	3/8"	1/4"	15	18	42	20
3/8"	3/8"	3/8"	15.3	18	42	20

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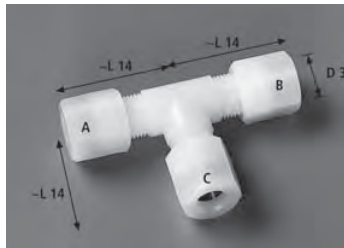
T-connector for pipe (Series 2N) with male NPT-thread

2

A(D)	B(D)	C(NPT)	l3	~L16	~L17	ØD4
1/2"	1/2"	1/4"	15	20	46	20
1/2"	1/2"	3/8"	15.3	20	46	20

T-union for pipe on all ends (Series 2N)

2



Article-Nr	Connection A	Connection B	Connection C	Material
2N300P030340PV	D1/8"	D1/8"	D06	PVDF
2N300P03PF	D1/8"	D1/8"	D1/8"	PFA
2N300P03PP	D1/8"	D1/8"	D1/8"	PP
2N300P03PT	D1/8"	D1/8"	D1/8"	PTFE
2N300P03PV	D1/8"	D1/8"	D1/8"	PVDF
2N300P050311PF	D1/4"	D1/8"	D3/8"	PFA
2N300P050503PP	D1/4"	D1/4"	D1/8"	PP
2N300P050503PT	D1/4"	D1/4"	D1/8"	PTFE
2N300P05PF	D1/4"	D1/4"	D1/4"	PFA
2N300P05PP	D1/4"	D1/4"	D1/4"	PP
2N300P05PT	D1/4"	D1/4"	D1/4"	PTFE
2N300P05PV	D1/4"	D1/4"	D1/4"	PVDF
2N300P115151PP	D3/8"	D14	D14	PP
2N300P11PF	D3/8"	D3/8"	D3/8"	PFA
2N300P11PP	D3/8"	D3/8"	D3/8"	PP
2N300P11PT	D3/8"	D3/8"	D3/8"	PTFE
2N300P11PV	D3/8"	D3/8"	D3/8"	PVDF
2N300P151111PT	D1/2"	D3/8"	D3/8"	PTFE
2N300P151505PV	D1/2"	D1/2"	D1/4"	PVDF
2N300P151511PT	D1/2"	D1/2"	D3/8"	PTFE
2N300P15PF	D1/2"	D1/2"	D1/2"	PFA
2N300P15PP	D1/2"	D1/2"	D1/2"	PP
2N300P15PT	D1/2"	D1/2"	D1/2"	PTFE
2N300P15PV	D1/2"	D1/2"	D1/2"	PVDF
2N300P202015PV	D3/4"	D3/4"	D1/2"	PVDF
2N300P20PV	D3/4"	D3/4"	D3/4"	PVDF
2N300P242420PV	D1"	D1"	D3/4"	PVDF
2N300P383803PT	D04	D04	D1/8"	PTFE
2N300P383840PP	D04	D04	D06	PP
2N300P383843PP	D04	D04	D08	PP
2N300P38PF	D04	D04	D04	PFA
2N300P38PN	D04	D04	D04	PP-NATUR
2N300P38PP	D04	D04	D04	PP
2N300P38PT	D04	D04	D04	PTFE
2N300P38PV	D04	D04	D04	PVDF
2N300P400340PV	D06	D1/8"	D06	PVDF
2N300P403838PP	D06	D04	D04	PP
2N300P403838PV	D06	D04	D04	PVDF
2N300P403840PP	D06	D04	D06	PP
2N300P403840PT	D06	D04	D06	PTFE
2N300P404003PT	D06	D06	D1/8"	PTFE
2N300P404030PF	D06	D06	D03	PFA
2N300P404038PP	D06	D06	D04	PP
2N300P404038PV	D06	D06	D04	PVDF
2N300P404043PF	D06	D06	D08	PFA
2N300P404043PP	D06	D06	D08	PP
2N300P404043PT	D06	D06	D08	PTFE
2N300P404043PV	D06	D06	D08	PVDF
2N300P404045PT	D06	D06	D10	PTFE
2N300P404048FN	D06	D06	D12	PP-NATUR
2N300P404048PP	D06	D06	D12	PP
2N300P404048PT	D06	D06	D12	PTFE
2N300P40PF	D06	D06	D06	PFA
2N300P40PK	D06	D06	D06	PEEK
2N300P40PN	D06	D06	D06	PP-NATUR
2N300P40PP	D06	D06	D06	PP
2N300P40PT	D06	D06	D06	PTFE
2N300P40PV	D06	D06	D06	PVDF
2N300P433838PP	D08	D04	D04	PP
2N300P433843PT	D08	D04	D08	PTFE
2N300P434040PT	D08	D06	D06	PTFE
2N300P434040PV	D08	D06	D06	PVDF

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Article-Nr	Connection A	Connection B	Connection C	Material
2N300P434043PP	D08	D06	D08	PP
2N300P434043PT	D08	D06	D08	PTFE
2N300P434043PV	D08	D06	D08	PVDF
2N300P434338PV	D08	D08	D04	PVDF
2N300P434340PP	D08	D08	D06	PP
2N300P434340PT	D08	D08	D06	PTFE
2N300P434340PV	D08	D08	D06	PVDF
2N300P434345PV	D08	D08	D10	PVDF
2N300P434348PV	D08	D08	D12	PVDF
2N300P43PF	D08	D08	D08	PFA
2N300P43PN	D08	D08	D08	PP-NATUR
2N300P43PP	D08	D08	D08	PP
2N300P43PT	D08	D08	D08	PTFE
2N300P43PV	D08	D08	D08	PVDF
2N300P453845PP	D10	D04	D10	PP
2N300P454040PT	D10	D06	D06	PTFE
2N300P454040PV	D10	D06	D06	PVDF
2N300P454045PV	D10	D06	D10	PVDF
2N300P454538PP	D10	D10	D04	PP
2N300P454538PT	D10	D10	D04	PTFE
2N300P454540PT	D10	D10	D06	PTFE
2N300P454540PV	D10	D10	D06	PVDF
2N300P454543PP	D10	D10	D08	PP
2N300P454543PT	D10	D10	D08	PTFE
2N300P454543PV	D10	D10	D08	PVDF
2N300P454548PV	D10	D10	D12	PVDF
2N300P45PF	D10	D10	D10	PFA
2N300P45PK	D10	D10	D10	PEEK
2N300P45PP	D10	D10	D10	PP
2N300P45PT	D10	D10	D10	PTFE
2N300P45PV	D10	D10	D10	PVDF
2N300P484040PT	D12	D06	D06	PTFE
2N300P484048PP	D12	D06	D12	PP
2N300P484048PT	D12	D06	D12	PTFE
2N300P484048PV	D12	D06	D12	PVDF
2N300P484348PV	D12	D08	D12	PVDF
2N300P484840PP	D12	D12	D06	PP
2N300P484840PT	D12	D12	D06	PTFE
2N300P484840PV	D12	D12	D06	PVDF
2N300P484843PT	D12	D12	D08	PTFE
2N300P484843PV	D12	D12	D08	PVDF
2N300P48PF	D12	D12	D12	PFA
2N300P48PK	D12	D12	D12	PEEK
2N300P48PN	D12	D12	D12	PP-NATUR
2N300P48PP	D12	D12	D12	PP
2N300P48PT	D12	D12	D12	PTFE
2N300P48PV	D12	D12	D12	PVDF
2N300P514045PT	D14	D06	D10	PTFE
2N300P515140PT	D14	D14	D06	PTFE
2N300P515140PV	D14	D14	D06	PVDF
2N300P51PF	D14	D14	D14	PFA
2N300P51PP	D14	D14	D14	PP
2N300P51PT	D14	D14	D14	PTFE
2N300P51PV	D14	D14	D14	PVDF
2N300P52PP	D15	D15	D15	PP
2N300P52PV	D15	D15	D15	PVDF
2N300P535345PP	D16	D16	D10	PP
2N300P535357PP	D16	D16	D20	PP
2N300P535357PV	D16	D16	D20	PVDF
2N300P53PP	D16	D16	D16	PP
2N300P53PT	D16	D16	D16	PTFE
2N300P53PV	D16	D16	D16	PVDF

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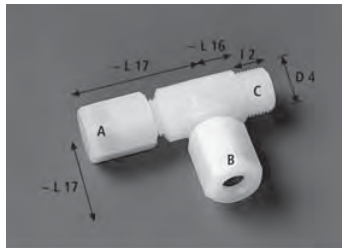
Article-Nr	Connection A	Connection B	Connection C	Material
2N300P55PT	D18	D18	D18	PTFE
2N300P55PV	D18	D18	D18	PVDF
2N300P574057PT	D20	D06	D20	PTFE
2N300P574057PV	D20	D06	D20	PVDF
2N300P574843PV	D20	D12	D08	PVDF
2N300P574857PT	D20	D12	D20	PTFE
2N300P575353PV	D20	D16	D16	PVDF
2N300P575748PP	D20	D20	D12	PP
2N300P575748PT	D20	D20	D12	PTFE
2N300P575748PV	D20	D20	D12	PVDF
2N300P575761PV	D20	D20	D25	PVDF
2N300P57PN	D20	D20	D20	PP-NATUR
2N300P57PP	D20	D20	D20	PP
2N300P57PT	D20	D20	D20	PTFE
2N300P57PV	D20	D20	D20	PVDF
2N300P616140PT	D25	D25	D06	PTFE
2N300P61PP	D25	D25	D25	PP
2N300P61PT	D25	D25	D25	PTFE
2N300P61PV	D25	D25	D25	PVDF

Dimensions 2N300P. . .

A(D)	B(D)	C(D)	~L14	ØD3
4	4	4	26	13
6	6	6	39	15
8	8	8	40	15
10	10	10	45	20
12	12	12	49	20
14	14	14	51	25
15	15	15	51	25
16	16	16	53	30
18	18	18	59	30
20	20	20	59	30
22	22	22	69	45
25	25	25	68	45
1/8"	1/8"	1/8"	29	15
1/4"	1/4"	1/4"	40	15
3/8"	3/8"	3/8"	45	20
1/2"	1/2"	1/2"	49	20
3/4"	3/4"	3/4"	59	30

T-connector for pipe (Series 2N) with male G-thread, asymmetrical

2



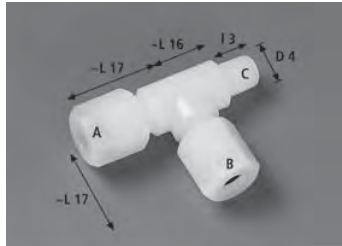
Article-Nr	Connection A	Connection B	Connection C	Material
2N310MG0514PV	D1/4"	D1/4"	G1/4"	PVDF
2N310MG0538PP	D1/4"	D1/4"	G3/8"	PP
2N310MG3818PP	D04	D04	G1/8"	PP
2N310MG3818PV	D04	D04	G1/8"	PVDF
2N310MG4014PT	D06	D06	G1/4"	PTFE
2N310MG4014PTFP	D06	D06	G1/4"	PTFE/FPM
2N310MG4014PV	D06	D06	G1/4"	PVDF
2N310MG4038PP	D06	D06	G3/8"	PP
2N310MG4314PP	D08	D08	G1/4"	PP
2N310MG4314PT	D08	D08	G1/4"	PTFE
2N310MG4338PT	D08	D08	G3/8"	PTFE
2N310MG4512PF	D10	D10	G1/2"	PFA
2N310MG4514PP	D10	D10	G1/4"	PP
2N310MG4538PT	D10	D10	G3/8"	PTFE
2N310MG4814PP	D12	D12	G1/4"	PP
2N310MG5112PT	D14	D14	G1/2"	PTFE

Dimensions 2N310MG...

A(D)	B(D)	C(G)	l2	~L16	~L17	ØD4
4	4	1/8"	8	12	25	13
6	6	1/4"	12	15	36	15
6	6	3/8"	12	15	39	20
8	8	1/4"	12	16	36	15
10	10	1/4"	12	18	42	20
12	12	3/8"	12	20	45	20
14	14	3/8"	12	22	48	25
15	15	3/8"	12	22	48	25
16	16	1/2"	14	23	50	30
1/8"	1/8"	1/8"	8	10	28	15
1/4"	1/4"	1/4"	12	15	37	15
3/8"	3/8"	3/8"	12	18	42	20
1/2"	1/2"	1/2"	14	20	49	25

T-connector for pipe (Series 2N) with male NPT-thread, asymmetrical

2



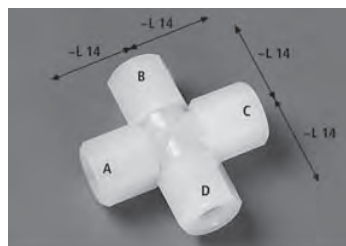
Article-Nr	Connection A	Connection B	Connection C	Material
2N310MN0314PT	D1/8"	D1/8"	NPT1/4"	PTFE
2N310MN0514PF	D1/4"	D1/4"	NPT1/4"	PFA
2N310MN0514PV	D1/4"	D1/4"	NPT1/4"	PVDF
2N310MN1114PF	D3/8"	D3/8"	NPT1/4"	PFA
2N310MN1138PT	D3/8"	D3/8"	NPT3/8"	PTFE
2N310MN1512PP	D1/2"	D1/2"	NPT1/2"	PP
2N310MN4014PF	D06	D06	NPT1/4"	PFA
2N310MN4014PP	D06	D06	NPT1/4"	PP
2N310MN4014PT	D06	D06	NPT1/4"	PTFE
2N310MN4312PP	D08	D08	NPT1/2"	PP
2N310MN4514PP	D10	D10	NPT1/4"	PP
2N310MN5312PP	D16	D16	NPT1/2"	PP

Dimensions 2N310MN...

A(D)	B(D)	C(NPT)	l3	~L16	~L17	ØD4
4	4	1/8"	10	12	25	15
6	6	1/4"	15	15	39	15
6	6	3/8"	15.3	15	39	20
8	8	1/4"	15	16	36	15
10	10	1/4"	15	18	42	20
12	12	3/8"	15.3	20	45	20
14	14	3/8"	15.3	22	48	25
15	15	3/8"	15.3	22	48	25
16	16	1/2"	20	25	50	30
1/8"	1/8"	1/8"	10	15	28	15
1/4"	1/4"	1/4"	15	16	37	15
3/8"	3/8"	3/8"	15.3	15	42	20
1/2"	1/2"	1/2"	20	30	49	25

Cross union for pipe on all ends (Series 2N)

2



Article-Nr	Connection A	Connection B	Connection C Connection D	Material
2N400P03PP	D1/8"	D1/8"	D1/8" D1/8"	PP
2N400P03PT	D1/8"	D1/8"	D1/8" D1/8"	PTFE
2N400P05PP	D1/4"	D1/4"	D1/4" D1/4"	PP
2N400P05PT	D1/4"	D1/4"	D1/4" D1/4"	PTFE
2N400P05PV	D1/4"	D1/4"	D1/4" D1/4"	PVDF
2N400P11PV	D3/8"	D3/8"	D3/8" D3/8"	PVDF
2N400P15PT	D1/2"	D1/2"	D1/2" D1/2"	PTFE
2N400P38PP	D04	D04	D04 D04	PP
2N400P38PT	D04	D04	D04 D04	PTFE
2N400P38PV	D04	D04	D04 D04	PVDF
2N400P40403030PV	D06	D06	D03 D03	PVDF
2N400P40403838PP	D06	D06	D04 D04	PP
2N400P40404038PT	D06	D06	D06 D04	PTFE
2N400P40PP	D06	D06	D06 D06	PP
2N400P40PT	D06	D06	D06 D06	PTFE
2N400P40PV	D06	D06	D06 D06	PVDF
2N400P43404040PV	D08	D06	D06 D06	PVDF
2N400P43484348PT	D08	D12	D08 D12	PTFE
2N400P43PP	D08	D08	D08 D08	PP
2N400P43PT	D08	D08	D08 D08	PTFE
2N400P43PV	D08	D08	D08 D08	PVDF
2N400P45484548PT	D10	D12	D10 D12	PTFE
2N400P45PP	D10	D10	D10 D10	PP
2N400P45PT	D10	D10	D10 D10	PTFE
2N400P45PV	D10	D10	D10 D10	PVDF
2N400P48434343PT	D12	D08	D08 D08	PTFE
2N400P48PP	D12	D12	D12 D12	PP
2N400P48PT	D12	D12	D12 D12	PTFE
2N400P48PV	D12	D12	D12 D12	PVDF
2N400P51PP	D14	D14	D14 D14	PP
2N400P51PT	D14	D14	D14 D14	PTFE
2N400P51PV	D14	D14	D14 D14	PVDF
2N400P53PP	D16	D16	D16 D16	PP
2N400P53PT	D16	D16	D16 D16	PTFE
2N400P53PV	D16	D16	D16 D16	PVDF

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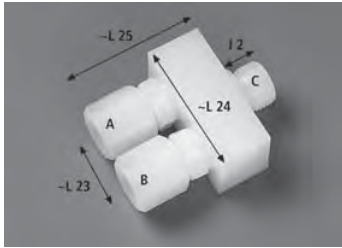
Article-Nr	Connection A	Connection B	Connection C Connection D	Material
2N400P55PT	D18	D18	D18 D18	PTFE

Dimensions 2N400P. . .

A(D)	B(D)	CD)	C(D)	~L14
4	4	4	4	26
6	6	6	6	39
8	8	8	8	40
10	10	10	10	45
12	12	12	12	49
1/8"	1/8"	1/8"	1/8"	29
1/4"	1/4"	1/4"	1/4"	40
3/8"	3/8"	3/8"	3/8"	46
1/2"	1/2"	1/2"	1/2"	50

Fork connector for pipe (Series 2N) with male G-thread

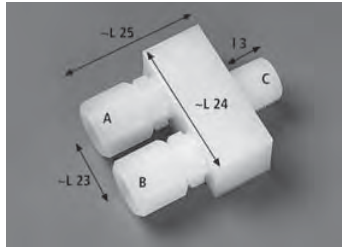
2



Article-Nr	Connection A	Connection B	Connection C	Material
2N500MG1512PP	D1/2"	D1/2"	G1/2"	PP
2N500MG3814PV	D04	D04	G1/4"	PVDF
2N500MG4014PT	D06	D06	G1/4"	PTFE
2N500MG4014PV	D06	D06	G1/4"	PVDF
2N500MG4038PP	D06	D06	G3/8"	PP
2N500MG4038PT	D06	D06	G3/8"	PTFE
2N500MG4314PP	D08	D08	G1/4"	PP
2N500MG4314PT	D08	D08	G1/4"	PTFE
2N500MG4314PV	D08	D08	G1/4"	PVDF
2N500MG4338PF	D08	D08	G3/8"	PFA/PTFE
2N500MG4338PP	D08	D08	G3/8"	PP
2N500MG4338PT	D08	D08	G3/8"	PTFE
2N500MG4538PT	D10	D10	G3/8"	PTFE
2N500MG4812PT	D12	D12	G1/2"	PTFE
2N500MG4814PP	D12	D12	G1/4"	PP
2N500MG4838PP	D12	D12	G3/8"	PP

Fork connector for pipe (Series 2N) with male NPT-thread

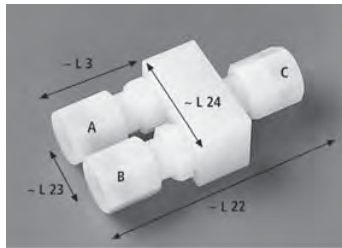
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Article-Nr	Connection A	Connection B	Connection C	Material
2N500MN4014PP	D06	D06	NPT1/4"	PP
2N500MN4014PT	D06	D06	NPT1/4"	PTFE
2N500MN4014PV	D06	D06	NPT1/4"	PVDF
2N500MN4314PP	D08	D08	NPT1/4"	PP
2N500MN4338PP	D08	D08	NPT3/8"	PP
2N500MN4338PT	D08	D08	NPT3/8"	PTFE
2N500MN5138PP	D14	D14	NPT3/8"	PP

Dimensions 2N500MN...

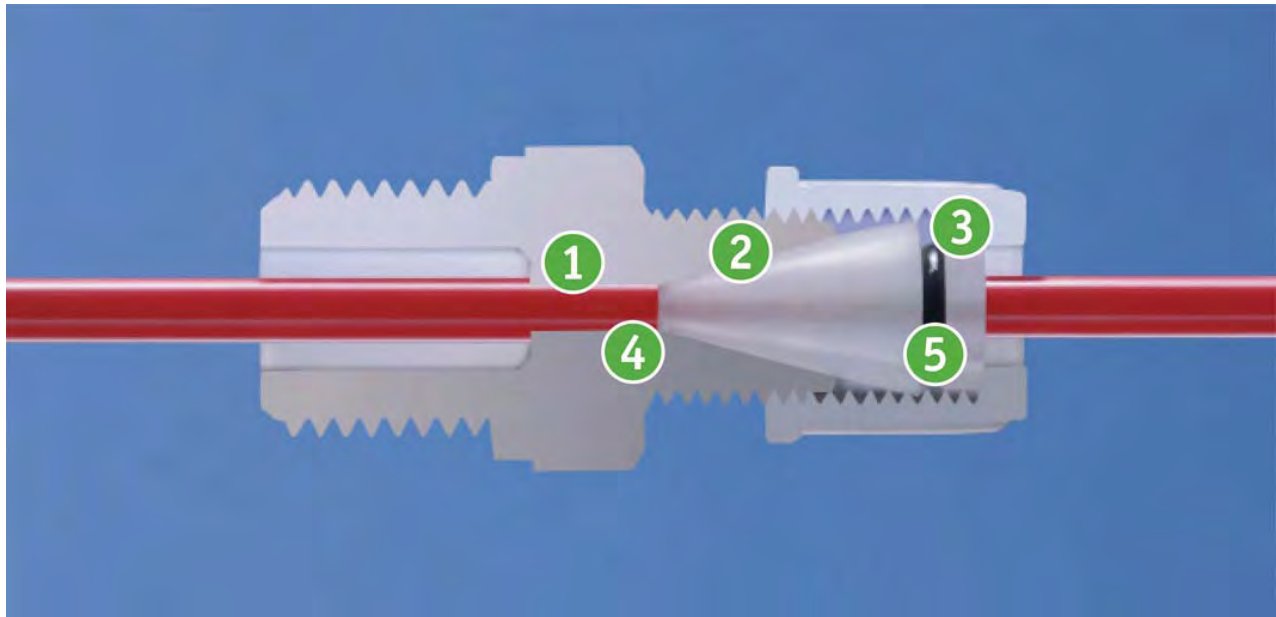
A(D)	B(D)	C(NPT)	~I3	~L23	~L24	~L25
4	4	1/4"	15	20	40	43
6	6	1/4"	15	20	40	54
8	8	1/4"	15	25	50	62
8	8	3/8"	15.3	25	50	63
10	10	1/4"	15	25	50	67
10	10	3/8"	15.3	25	50	67.5
10	10	1/2"	20	25	50	68
12	12	1/4"	15	28	63	70
12	12	3/8"	15.3	28	63	70.5
12	12	1/2"	20	28	63	71
14	14	1/4"	15	32	65	75
14	14	3/8"	15.3	32	65	75.5
14	14	1/2"	20	32	65	76.5
15	15	1/4"	15	32	65	75
15	15	3/8"	15.3	32	65	75.5
15	15	1/2"	20	32	65	76.5
16	16	1/4"	15	35	70	75
16	16	3/8"	15.3	35	70	75.5
16	16	1/2"	20	35	70	76.5
1/8"	1/8"	1/4"	15	20	40	47
1/4"	1/4"	1/4"	15	20	40	55



Article-Nr	Connection A	Connection B	Connection C	Material
2N500P05PP	D1/4"	D1/4"	D1/4"	PP
2N500P38PF	D04	D04	D04	PFA
2N500P38PT	D04	D04	D04	PTFE
2N500P38PV	D04	D04	D04	PVDF
2N500P404038PV	D06	D06	D04	PVDF
2N500P404043PF	D06	D06	D08	PTFE
2N500P404043PK	D06	D06	D08	PEEK
2N500P404043PP	D06	D06	D08	PP
2N500P404043PT	D06	D06	D08	PTFE
2N500P40PF	D06	D06	D06	PFA
2N500P40PP	D06	D06	D06	PP
2N500P40PT	D06	D06	D06	PTFE
2N500P40PV	D06	D06	D06	PVDF
2N500P434043PV	D08	D06	D08	PVDF
2N500P434348PV	D08	D08	D12	PVDF
2N500P43PP	D08	D08	D08	PP
2N500P43PT	D08	D08	D08	PTFE
2N500P43PV	D08	D08	D08	PVDF
2N500P45PP	D10	D10	D10	PP
2N500P48PP	D12	D12	D12	PP
2N500P48PT	D12	D12	D12	PTFE
2N500P48PV	D12	D12	D12	PVDF
2N500P53PV	D16	D16	D16	PVDF

Dimensions 2N500P . . .

A(D)	B(D)	C(D)	~L3	~L22	~L23	~L24
4	4	4	22.5	63	20	35
6	6	6	33.5	85	20	35
8	8	8	35	95	25	45
10	10	10	39.5	104	25	45
12	12	12	42.5	110	28	53
14	14	14	45	117	30	55
15	15	15	45	117	30	55
16	16	16	45	130	35	70
18	18	18	53	146	35	70
20	20	20	54	148	35	70
22	22	22	58.5	157	35	70
25	25	25	62	164	35	70
1/8"	1/8"	1/8"	25.5	69	20	35
1/4"	1/4"	1/4"	36	90	20	35
3/8"	3/8"	3/8"	39	103	25	45
1/2"	1/2"	1/2"	43	111	28	53
3/4"	3/4"	3/4"	43.5	127	35	70



- 1) Bushing ⇒ Suitable for bead tubes, sensors, thermometers etc.
- 2) Sealed by PTFE sealing ring ⇒ Max. mediaresistance
- 3) Pressure disc protects O-ring against damage ⇒ Secure, tight and durable connection
- 4) No reduction of cross-section ⇒ Full flow rate
- 5) O-ring holds pipe ⇒ Safeguard against the tube being pulled out

The connection principle used in Series 2T from EM-TECHNIK is the same as that used in Series 2M. The letter "T" only describes that it performs a "bushing function", i.e. the pipe is guided through the connector. This is necessary, e.g. for bead tubes, immersion tubes, thermometers or sensors.

Straight connector for pipe (Series 2T) with male G-thread

2



Article-Nr	Connection A	Connection B	Material
2T100MG0714PF	D0,7	G1/4"	PFA
2T100MG0714PT	D0,7	G1/4"	PTFE
2T100MG0718PF	D0,7	G1/8"	PFA
2T100MG0718PT	D0,7	G1/8"	PTFE
2T100MG0718PV	D0,7	G1/8"	PVDF
2T100MG0818PV	D0,8	G1/8"	PVDF
2T100MG1118PV	D1,1	G1/8"	PVDF
2T100MG1614PV	D1,6	G1/4"	PVDF
2T100MG1618PV	D1,6	G1/8"	PVDF
2T100MG1718PV	D1,7	G1/8"	PVDF
2T100MG1818PV	D1,8	G1/8"	PVDF
2T100MG2014PF	D2,0	G1/4"	PFA
2T100MG2014PFFP	D2,0	G1/4"	PFA/FPM
2T100MG2014PP	D2,0	G1/4"	PP
2T100MG2014PT	D2,0	G1/4"	PTFE
2T100MG2014PV	D2,0	G1/4"	PVDF
2T100MG2018PF	D2,0	G1/8"	PFA
2T100MG2018PP	D2,0	G1/8"	PP
2T100MG2018PT	D2,0	G1/8"	PTFE
2T100MG2018PV	D2,0	G1/8"	PVDF
2T100MG2118PT	D2,1	G1/8"	PTFE
2T100MG2118PV	D2,1	G1/8"	PVDF
2T100MG2218PV	D2,2	G1/8"	PVDF
2T100MG2318PV	D2,3	G1/8"	PVDF
2T100MG2514PN	D2,5	G1/4"	PP-NATUR
2T100MG2514PT	D2,5	G1/4"	PTFE
2T100MG2514PV	D2,5	G1/4"	PVDF
2T100MG2518PT	D2,5	G1/8"	PTFE
2T100MG2518PV	D2,5	G1/8"	PVDF
2T100MG2814PFFP	D2,8	G1/4"	PFA/FPM
2T100MG2814PV	D2,8	G1/4"	PVDF
2T100MG3014PF	D3,0	G1/4"	PFA
2T100MG3014PP	D3,0	G1/4"	PP
2T100MG3014PT	D3,0	G1/4"	PTFE
2T100MG3014PV	D3,0	G1/4"	PVDF
2T100MG3018PF	D3,0	G1/8"	PFA
2T100MG3018PFFP	D3,0	G1/8"	PFA/FPM
2T100MG3018PPEP	D3,0	G1/8"	PP/EPDM
2T100MG3018PT	D3,0	G1/8"	PTFE
2T100MG3018PV	D3,0	G1/8"	PVDF
2T100MG3214PT	D3,2	G1/4"	PTFE
2T100MG3218PFFK	D3,2	G1/8"	PFA/FFKM
2T100MG4014PP	D4,0	G1/4"	PP
2T100MG4014PV	D4,0	G1/4"	PVDF
2T100MG4018PF	D4,0	G1/8"	PFA
2T100MG4018PP	D4,0	G1/8"	PP
2T100MG4018PT	D4,0	G1/8"	PTFE
2T100MG4018PV	D4,0	G1/8"	PVDF
2T100MG4114PV	D4,1	G1/4"	PVDF
2T100MG4118PT	D4,1	G1/8"	PTFE
2T100MG4218PV	D4,2	G1/8"	PVDF
2T100MG4318PV	D4,3	G1/8"	PVDF
2T100MG4618PV	D4,6	G1/8"	PVDF
2T100MG4818PT	D4,8	G1/8"	PTFE
2T100MG5014PT	D5,0	G1/4"	PTFE
2T100MG6014PF	D6,0	G1/4"	PFA
2T100MG6014PP	D6,0	G1/4"	PP
2T100MG6014PT	D6,0	G1/4"	PTFE
2T100MG6014PV	D6,0	G1/4"	PVDF
2T100MG6014PVFP	D6,0	G1/4"	PVDF/FPM
2T100MG6018PF	D6,0	G1/8"	PFA
2T100MG6018PP	D6,0	G1/8"	PP

.....continued on the next page

Straight connector for pipe (Series 2T) with male G-thread

2

Article-Nr	Connection A	Connection B	Material
2T100MG6018PV	D6,0	G1/8"	PVDF
2T100MG6414PV	D6,4	G1/4"	PVDF

Dimensions 2M100MG. . . , 2T100MG. . .

A(D)	B(G)	l2	~L3	SW3
0,7-1	1/8"	8	25	14
0,7-1	1/4"	12	26	17
1,1-2	1/8"	8	25	14
1,1-2	1/4"	12	26	17
2,1-4	1/8"	8	25	14
2,1-4	1/4"	12	26	17
4,1-6,4	1/8"	8	25	14
4,1-6,4	1/4"	12	26	17

Straight connector for pipe (Series 2T) with male NPT-thread

2



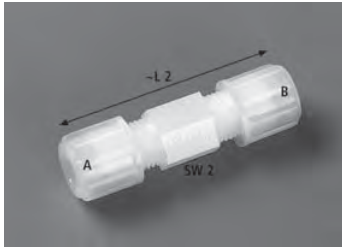
Article-Nr	Connection A	Connection B	Material
2T100MN1014PV	D1,0	NPT1/4"	PVDF
2T100MN1018PF	D1,0	NPT1/8"	PFA
2T100MN1018PV	D1,0	NPT1/8"	PVDF
2T100MN1614PV	D1,6	NPT1/4"	PVDF
2T100MN2014PV	D2,0	NPT1/4"	PVDF
2T100MN2018PV	D2,0	NPT1/8"	PVDF
2T100MN2914PF	D2,9	NPT1/4"	PFA
2T100MN3018PV	D3,0	NPT1/8"	PVDF
2T100MN3214PV	D3,2	NPT1/4"	PVDF
2T100MN3218PV	D3,2	NPT1/8"	PVDF
2T100MN4014PF	D4,0	NPT1/4"	PFA
2T100MN4014PV	D4,0	NPT1/4"	PVDF
2T100MN4814PF	D4,8	NPT1/4"	PFA
2T100MN4814PV	D4,8	NPT1/4"	PVDF
2T100MN5114PF	D5,1	NPT1/4"	PFA
2T100MN6014PV	D6,0	NPT1/4"	PVDF

Dimensions 2M100MN... , 2T100MN...

A(D)	B(NPT)	l3	~L4	SW4
0,7-1	1/8"	10	23	12
0,7-1	1/4"	15	24	17
1,1-2	1/8"	10	23	12
1,1-2	1/4"	15	24	17
2,1-4	1/8"	10	23	12
2,1-4	1/4"	15	24	17
4,1-6,4	1/8"	10	23	12
4,1-6,4	1/4"	15	24	17

Straight union for pipe on both ends (Series 2T)

2



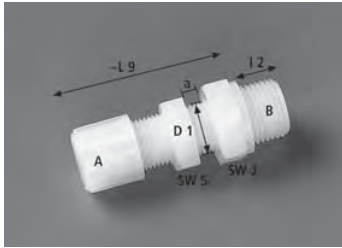
Article-Nr	Connection A	Connection B	Material
2T100P16PF	D1,6	D1,6	PFA
2T100P40PV	D4,0	D4,0	PVDF
2T100P6030PV	D6,0	D3,0	PVDF
2T100P60PV	D6,0	D6,0	PVDF

Dimensions 2M100P. . . , 2T100P. . .

A(D)	B(D)	~L2	SW2
0,7-1	0,7-1	55	14
1,1-2	1,1-2	52	14
2,1-4	2,1-4	47	14
4,1-6,4	4,1-6,4	41	14

**Straight bulkhead connector for pipe (Series 2T)
with male G-thread**

2



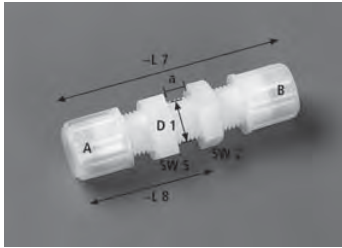
Article-Nr	Connection A	Connection B	Material
2T101MG1018PV	D1,0	G1/8"	PVDF
2T101MG1518PV	D1,5	G1/8"	PVDF

Dimensions 2M101MG. . ., 2T101MG. . .

A(D)	B(G)	l2	~L9	SW3	SW5	ØD1	a
0,7-1	1/8"	8	38	14	14	10.5	9
0,7-1	1/4"	12	40	17	14	10.5	9
1,1-2	1/8"	8	38	14	14	10.5	9
1,1-2	1/4"	12	40	17	14	10.5	9
2,1-4	1/8"	8	38	14	14	10.5	9
2,1-4	1/4"	12	40	17	14	10.5	9
4,1-6,4	1/8"	8	38	14	14	10.5	9
4,1-6,4	1/4"	12	40	17	14	10.5	9

**Straight bulkhead union for pipe on both ends
(Series 2T)**

2



Article-Nr	Connection A	Material
2T101P20PV	D2,0	PVDF
2T101P30PT	D3,0	PTFE
2T101P32PF	D3,2	PFA
2T101P40PT	D4,0	PTFE
2T101P40PV	D4,0	PVDF
2T101P41PF	D4,1	PFA
2T101P41PV	D4,1	PVDF
2T101P42PF	D06	PFA
2T101P50PV	D5,0	PVDF

Dimensions 2M101P... , 2T101P...

A(D)	B(D)	~L7	~L8	SW2	SW5	ØD1	a
0,7-1	0,7-1	52	29	14	14	10.5	9
1,1-2	1,1-2	52	29	14	14	10.5	9
2,1-4	2,1-4	52	29	14	14	10.5	9
4,1-6,4	4,1-6,4	52	29	14	14	10.5	9



Tri-Clamp Connectors 3C 377

Two flange-like connector pieces are to be pressed against each other and fasten together using the stainless steel locking clip. Equipped with connectors for flexible tube, pipe or with male thread.



Connection principle 3E 382

For direct fastening to existing fittings with DIN 8063 male threads. Equipped with connectors for flexible tube, pipe or with male thread.



Connection types 3F 388

Series 3F contains Nipples, unions, reducers and flanges in various designs, types and sizes.



Glass thread adapters 3G 425

Connectors of Series 1 or 2 which can be screwed onto a laboratory type glass cylinder with GL thread.



Quick connectors 3K 433

For easy coupling and uncoupling connections. Connection options for Series 1



Luer-Lock adapters 3L 446

For connecting to Luer-Lock thread. Connection options for Series 1A, 1C and 2M.



Accessories 3S 455



Barb connectors 3T 460

Flexible tube connections.



Welding adaptors 3W 477

For fixed connections e.g. in production engineering. They are equally suitable for use in edge-to-edge and socket welding process.

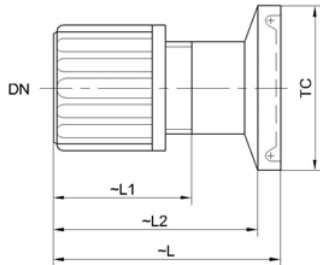


- 1) Germ-free sterilisable materials such as PVDF and PFA
- 2) Many possibilities for connecting tubes and plastic pipes
- 3) Size, diameter and clip in accordance with DIN 32676, ISO 2852, BS 4825
- 4) Depending on the medium, various sealing rings are available made of EPDM, FPM, PTFE, FFKM
- 5) Locking clip made of sterilisable stainless steel with V-profile for uniform contact pressure
- 6) Simple, Safe and Sterilisable

In applications requiring absolute cleanliness and reliability, such as in the pharmaceuticals industry, our sterilisable Tri-Clamp threaded connectors are essential. The Tri-Clamp connector can be combined on the other side with a Series 1A/1C threaded connector for tubes, a Series 2N pipe threaded connector for pipes or a male thread. Hence, these are versatile threaded connectors that can also be mounted to any existing fittings with Tri-Clamp connectors. The Tri-Clamp threaded connector is easy to use. Simply press the two flange-like connector pieces against each other and fasten them together using the stainless steel locking clip. A sealing ring is situated between the connector pieces to maintain a proper seal. The resulting connection is form-fit and smooth and a wing nut on the locking clip makes it easy to quickly open and close the connection at any time.

Tri-Clamp connector (Series 3C) with connection for tube (Series 1A)

3



Article-Nr	Connection A	Connection B	Material
3C100TA2540PP	TC25	DN04/06	PP
3C100TA2545PF	TC25	DN08/10	PFA
3C100TA2545PV	TC25	DN08/10	PVDF
3C100TA3443PN	TC34	DN06/08	PP-NATUR
3C100TA3445PF	TC34	DN08/10	PFA
3C100TA3445PV	TC34	DN08/10	PVDF

Technical data 3C...

Pressure stage	PN 6
----------------	------

Materials 3C100TA...

Body	PP	PP-natur	PVDF	PFA
Clamping ring	PP	PVDF	PVDF	
Knurled nut	PP	PVDF	PVDF	PFA

Dimensions 3C100TA..., 3C100TC...

A(DN)	B(TC)	~L	~L1	~L2
4/6	25	33	17	29,5
6/8	25	37	21	33,5
8/10	25	40	24	36,5
10/12	25	44	28	40,5
6/8	34	39	21	36,15
8/10	34	42	24	39,15
10/12	34	46	28	43,15
12/14	34	51	33	48,15

Tri-Clamp connector (Series 3C) with male G-thread

3



Article-Nr	Connection A	Connection B	Material
3C100MG2514PP	TC25	G1/4"	PP
3C100MG2514PV	TC25	G1/4"	PVDF
3C100MG2518PV	TC25	G1/8"	PVDF
3C100MG3412PV	TC34	G1/2"	PVDF
3C100MG3414PV	TC34	G1/4"	PVDF
3C100MG3438PV	TC34	G3/8"	PVDF
3C100MG50100PP	TC50,5	G1"	PP
3C100MG50100PV	TC50,5	G1"	PVDF
3C100MG5012PP	TC50,5	G1/2"	PP
3C100MG5012PT	TC50,5	G1/2"	PTFE
3C100MG5012PV	TC50,5	G1/2"	PVDF
3C100MG5034PP	TC50,5	G3/4"	PP
3C100MG5034PV	TC50,5	G3/4"	PVDF

Technical data 3C...

Pressure stage	PN 6
----------------	------

Materials 3C100MG... , 3C100MN...

Body	PP	PP-natur	PVDF	PTFE
O-ring*	FPM	FPM	FPM	FPM

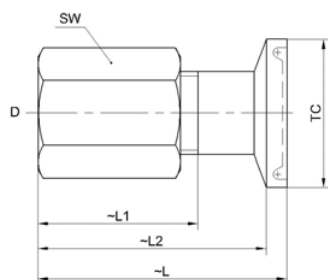
* EPDM, FFKM on request

Dimensions 3C100MG...

A(G)	B(TC)	L1	~L	~L2	ØD	SW
1/8"	25	8	25.5	22	16	13
1/4"	25	12	30	26.5	16	14
1/4"	34	12	32	29.15	20	16
3/8"	34	12	32.5	29.65	24	21
1/2"	34	14	35	32.15	24	22
1/2"	50.5	14	38.5	35.65	30	26
3/4"	50.5	16	40.5	37.65	36	32
1"	50.5	18	42.5	39.65	42	39

Tri-Clamp connector (Series 3C) with connection for pipe (Series 2N)

3



Article-Nr	Connection A	Connection B	Material
3C100PN2543PP	TC25	D08	PP
3C100PN2545PP	TC25	D10	PP
3C100PN2548PF	TC25	D12	PFA
3C100PN2548PP	TC25	D12	PP
3C100PN3445PP	TC34	D10	PP
3C100PN3448PP	TC34	D12	PP
3C100PN5048PP	TC50,5	D12	PP
3C100PN5048PV	TC50,5	D12	PVDF
3C100PN5051PV	TC50,5	D14	PVDF
3C100PN5053PP	TC50,5	D16	PP
3C100PN5053PT	TC50,5	D16	PTFE
3C100PN5055PP	TC50,5	D18	PP
3C100PN5055PV	TC50,5	D18	PVDF
3C100PN5057PP	TC50,5	D20	PP
3C100PN5057PV	TC50,5	D20	PVDF
3C100PN5058PT	TC50,5	D22	PTFE

Technical data 3C...

Pressure stage	PN 6
----------------	------

Materials 3C100PN...

Body	PP	PP-natur	PVDF	PFA	PTFE
Sealing ring	PTFE	PTFE	PTFE	PTFE	PTFE
Cutting ring	PEEK	PEEK	PEEK	PEEK	PEEK
Hexagon nut	PP	PVDF	PVDF	PFA	PFA

Dimensions 3C100PN...

A(D)	B(TC)	~L	~L1	~L2	SW
6	25	43	27	29,5	17
8	25	43	27	33,5	19
10	25	46	30	36,5	22
12	25	49	33	40,5	24
8	34	45	27	36,15	19
10	34	48	30	39,15	22
12	34	51	33	43,15	24
14	34	51	33	48,15	27
12	50,5	54,5	33	51,65	24
14	50,5	54,5	33	51,65	27
16	50,5	54,5	33	51,65	32
18	50,5	60,5	39	57,65	32
20	50,5	60,5	39	57,65	32

Tri-Clamp connector (Series 3C) with male NPT-thread

3



Article-Nr	Connection A	Connection B	Material
3C100MN2514PP	TC25	NPT1/4"	PP
3C100MN2514PV	TC25	NPT1/4"	PVDF
3C100MN2518PV	TC25	NPT1/8"	PVDF
3C100MN3412PV	TC34	NPT1/2"	PVDF
3C100MN3414PV	TC34	NPT1/4"	PVDF
3C100MN50100PP	TC50,5	NPT1"	PP
3C100MN5012PP	TC50,5	NPT1/2"	PP
3C100MN5012PT	TC50,5	NPT1/2"	PTFE
3C100MN5012PV	TC50,5	NPT1/2"	PVDF
3C100MN5034PP	TC50,5	NPT3/4"	PP

Technical data 3C...

Pressure stage	PN 6
----------------	------

Materials 3C100MG... , 3C100MN...

Body	PP	PP-natur	PVDF	PTFE
O-ring*	FPM	FPM	FPM	FPM

Dimensions 3C100MN...

A(NPT)	B(TC)	L1	~L	~L2	ØD	SW
1/8"	25	10	26	22.5	16	13
1/4"	25	15	31	27.5	16	14
1/4"	34	15	33	30.15	20	16
3/8"	34	15.3	33.3	30.45	24	21
1/2"	34	20	38	35.15	24	22
1/2"	50.5	20	41.5	38.65	30	26
3/4"	50.5	20	41.5	38.65	36	32
1"	50.5	25	46.5	43.65	42	34

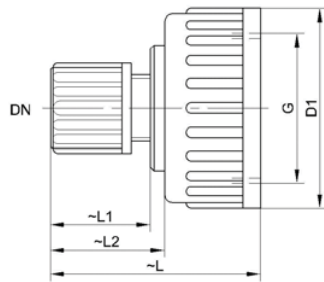


- 1) Connectable to existing fittings with DIN 8063 male threads
- 2) Inlay component and connector, single piece ⇒ Highly leak-proof ⇒ no wear and tear
- 3) Available in various materials: PP, PP-natural, PVDF, PFA, PTFE ⇒ High media resistance
- 4) Various types of connections possible for: pipes and tubes in various sizes

Our Series 3E connectors can be directly fastened to existing fittings with DIN 8063 male threads and are immediately ready for use with both flexible and rigid tubes. The special design of our Series 3E range integrates many features in a single product that would otherwise have to be tediously welded together from various components. The inlay component – manufactured from a single piece – contains an integrated thread connector. This saves not only time and work, it helps to ensure that the connector is leak-proof and thus safe to use. To allow for a range of threaded connectors, the hexagonal nut is available in typical sizes from G 3/4" to G 1 1/2". These can be combined with various tube and pipe connectors as well as with G or NPT male threads in various sizes and materials.

Connector (Series 3E) with connection for flexible tube (Series 1A) and loose knurled nut

3



Article-Nr	Connection A	Connection B	Material
3E100TA4034PF	DN04/06	G3/4"	PFA
3E100TA4034PN	DN04/06	G3/4"	PP-NATUR
3E100TA4034PP	DN04/06	G3/4"	PP
3E100TA4034PV	DN04/06	G3/4"	PVDF
3E100TA43100PF	DN06/08	G1"	PFA
3E100TA43100PN	DN06/08	G1"	PP-NATUR
3E100TA43100PP	DN06/08	G1"	PP
3E100TA43100PV	DN06/08	G1"	PVDF
3E100TA4334PF	DN06/08	G3/4"	PFA
3E100TA4334PN	DN06/08	G3/4"	PP-NATUR
3E100TA4334PP	DN06/08	G3/4"	PP
3E100TA4334PV	DN06/08	G3/4"	PVDF
3E100TA45100PF	DN08/10	G1"	PFA
3E100TA45100PN	DN08/10	G1"	PP-NATUR
3E100TA45100PP	DN08/10	G1"	PP
3E100TA45100PV	DN08/10	G1"	PVDF
3E100TA48114PP	DN10/12	G11/4"	PP
3E100TA48114PV	DN10/12	G11/4"	PVDF
3E100TA51114PV	DN12/14	G11/4"	PVDF
3E100TA55112PP	DN16/18	G11/2"	PP
3E100TA55112PV	DN16/18	G11/2"	PVDF
3E100TA57112PP	DN18/20	G11/2"	PP

Technical data 3E...

Pressure stage	PN 6
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Materials 3E100TA...

Body	PP	PP-natur	PVDF	PFA
Clamping ring	PP	PVDF	PVDF	
Knurled nut	PP	PVDF	PVDF	PFA
Loose knurled nut	PP	PP	PVDF	PVDF
O-ring*	FPM	FPM	FPM	FPM

* EPDM, FFKM on request

Dimensions 3E100TA... , 3E100TC...

A(DN)	B(G)	~L	~L1	~L2	ØD1
4/6	3/4"	43	17	21	38
6/8	3/4"	47	21	25	38
8/10	3/4"	50	24	28	38
10/12	3/4"	54	28	32	38
12/14	3/4"	59	33	37	38
6/8	1"	49	21	25	46
8/10	1"	52	24	28	46
10/12	1"	56	28	32	46
12/14	1"	61	33	37	46
14/16	1"	63	35	39	46
16/18	1"	66	38	42	46
10/12	1 1/4"	59	28	32	56
12/14	1 1/4"	64	33	37	56
14/16	1 1/4"	66	35	39	56
16/18	1 1/4"	69	38	42	56
18/20	1 1/4"	71	40	44	56
16/18	1 1/2"	73	38	42	66
18/20	1 1/2"	75	40	44	66

Connector (Series 3E) with male NPT-thread and loose knurled nut

3



Article-Nr	Connection A	Connection B	Material
3E100MN12112PP	NPT1/2"	G11/2"	PP
3E100MN12114PT	NPT1/2"	G11/4"	PTFE
3E100MN14100PN	NPT1/4"	G1"	PP-NATUR
3E100MN14100PV	NPT1/4"	G1"	PVDF
3E100MN1434PP	NPT1/4"	G3/4"	PP
3E100MN38114PF	NPT3/8"	G11/4"	PFA

Technical data 3E...

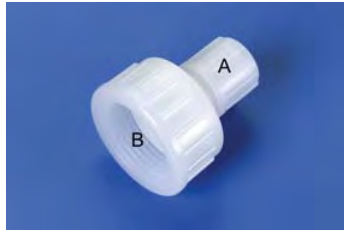
Pressure stage	PN 6
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Dimensions 3E100MN...

A(NPT)	B(G1)	~L	L1	~L2	ØD1
1/4"	3/4"	41	15	19	38
1/4"	1"	43	15	19	46
3/8"	1"	43	15.3	19	46
1/2"	1"	48	20	24	46
3/8"	1 1/4"	46	15.3	19	56
1/2"	1 1/4"	51	20	24	56
1"	1 1/4"	56	25	29	56
1/2"	1 1/2"	55	20	24	66
1"	1 1/2"	60	25	29	66

Connector (Series 3E) with connection for flexible tube (Series 1C) and loose knurled nut

3



Article-Nr	Connection A	Connection B	Material
3E100TC4034PP	DN04/06	G3/4"	PP
3E100TC43100PP	DN06/08	G1"	PP
3E100TC48114PN	DN10/12	G11/42	PP-NATUR
3E100TC55112PV	DN16/18	11/2"	PVDF

Technical data 3E...

Pressure stage	PN 6
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Materials 3E100TC...

Body	PP	PP-natur	PVDF	PFA
Sealing ring	PTFE	PTFE	PTFE	PTFE**
Cutting ring	PEEK	PEEK	PEEK	PEEK**
Knurled nut	PP	PVDF	PVDF	PFA
Loose knurled nut	PP	PP	PVDF	PVDF
O-ring*	FPM	FPM	FPM	FPM

* EPDM, FFKM on request ** Standard at PFA

Dimensions 3E100TA... , 3E100TC...

A(DN)	B(G)	~L	~L1	~L2	ØD1
4/6	3/4"	43	17	21	38
6/8	3/4"	47	21	25	38
8/10	3/4"	50	24	28	38
10/12	3/4"	54	28	32	38
12/14	3/4"	59	33	37	38
6/8	1"	49	21	25	46
8/10	1"	52	24	28	46
10/12	1"	56	28	32	46
12/14	1"	61	33	37	46
14/16	1"	63	35	39	46
16/18	1"	66	38	42	46
10/12	1 1/4"	59	28	32	56
12/14	1 1/4"	64	33	37	56
14/16	1 1/4"	66	35	39	56
16/18	1 1/4"	69	38	42	56
18/20	1 1/4"	71	40	44	56
16/18	1 1/2"	73	38	42	66
18/20	1 1/2"	75	40	44	66

Connector (Series 3E) with male G-thread and loose knurled nut

3



Article-Nr	Connection A	Connection B	Material
3E100MG100112PV	G1"	G1 1/2"	PVDF
3E100MG12112PP	G1/2"	G1 1/2"	PP
3E100MG12114PF	G1/2"	G1 1/4"	PFA
3E100MG14100PF	G1/4"	G1"	PFA
3E100MG14100PN	G1/4"	G1"	PP-NATUR
3E100MG14100PP	G1/4"	G1"	PP
3E100MG14100PT	G1/4"	G1"	PTFE
3E100MG14100PV	G1/4"	G1"	PVDF
3E100MG1434PP	G1/4"	G3/4"	PP
3E100MG1434PV	G1/4"	G3/4"	PVDF
3E100MG38114PT	G3/8"	G1 1/4"	PTFE

Technical data 3E...

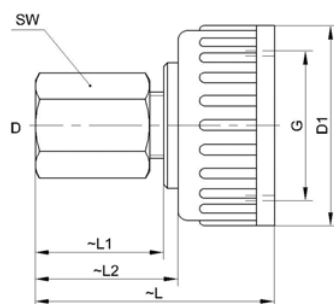
Pressure stage	PN 6
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Dimensions 3E100MG...

A(G)	B(G1)	~L	L1	~L2	ØD1
1/4"	3/4"	40	12	18	38
1/4"	1"	42	12	18	46
3/8"	1"	42.5	12	18.5	46
1/2"	1"	45	14	21	46
3/8"	1 1/4"	45.5	12	18.5	56
1/2"	1 1/4"	48	14	21	56
1"	1 1/4"	52	18	25	56
1/2"	1 1/2"	52	14	21	66
1"	1 1/2"	56	18	25	66

Connector (Series 3E) with connection for pipe (Series 2N) and loose knurled nut

3



Article-Nr	Connection A	Connection B	Material
3E100PN40100PF	D06	G1"	PFA
3E100PN4034PN	D06	G3/4"	PP-NATUR
3E100PN4034PP	D06	G3/4"	PP
3E100PN43100PT	D08	G1"	PTFE
3E100PN4334PV	D08	G3/4"	PVDF
3E100PN45114PP	D10	G1 1/4"	PP
3E100PN48114PN	D12	G1 1/4"	PP-NATUR
3E100PN51112PV	D14	G1 1/2"	PVDF

Technical data 3E...

Pressure stage	PN 6
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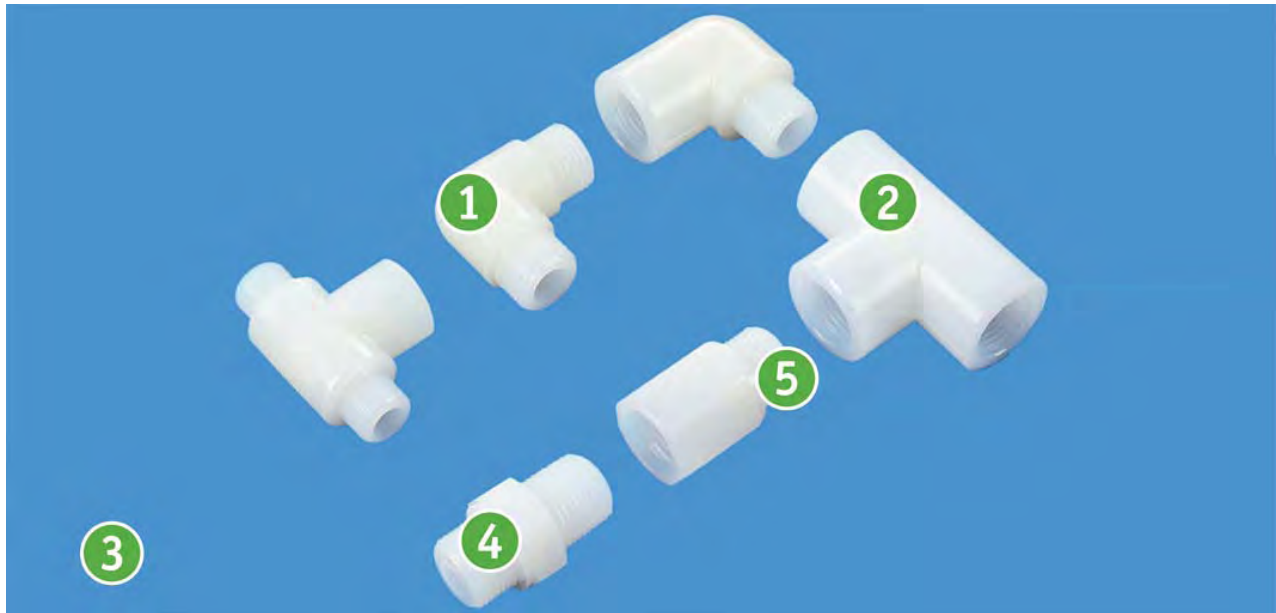
Materials 3E100PN...

Body	PP	PP-natur	PVDF	PFA	PTFE
Sealing ring	PTFE	PTFE	PTFE	PTFE	PTFE
Cutting ring	PEEK	PEEK	PEEK	PEEK	PEEK
Hexagon nut	PP	PVDF	PVDF	PFA	PFA
Loose knurled nut	PP	PP	PVDF	PVDF	PVDF
O-ring*	FPM	FPM	FPM	FPM	FPM

* EPDM, FFKM on request

Dimensions 3E100PN...

A(D)	B(G)	~L	~L1	~L2	ØD1	SW
6	3/4"	53	27	31	38	17
8	3/4"	53	27	31	38	19
10	3/4"	56	30	34	38	22
12	3/4"	59	33	37	38	24
6	1"	55	27	31	46	17
8	1"	55	27	31	46	19
10	1"	58	30	34	46	22
12	1"	61	33	37	46	24
14	1"	61	33	37	46	27
16	1"	61	33	37	46	32
10	1 1/4"	61	30	34	56	22
12	1 1/4"	64	33	37	56	24
14	1 1/4"	64	33	37	56	27
16	1 1/4"	64	33	37	56	32
18	1 1/4"	70	39	43	56	32
20	1 1/4"	70	39	43	56	32
12	1 1/2"	68	33	37	66	24
14	1 1/2"	68	33	37	66	27
16	1 1/2"	68	33	37	66	32
18	1 1/2"	74	39	43	66	32
20	1 1/2"	74	39	43	66	32
22	1 1/2"	77	42	46	66	36
24	1 1/2"	77	42	46	66	43
25	1 1/2"	78	43	47	66	43



- 1) Nipple
- 2) Union
- 3) Thread manufactured with- out seam according to DIN, USAS or JIS ⇒ Various connection options
- 4) The hexagons are manufactured in accordance with DIN
- 5) Reducer

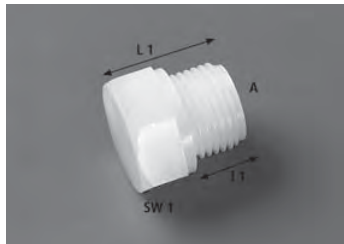
Series 3F includes a large number of connection elements in a wide range of materials and versions. The following parts are available, depending on the required application:

NIPPLES are connection elements with male threads. They are available in varying thread sizes and types (G, NPT and M).

UNIONS are connection elements with female threads. They are also available in varying thread sizes and types (G, NPT and M).

REDUCERS are combinations of different female and male threads and combinations of different thread sizes.

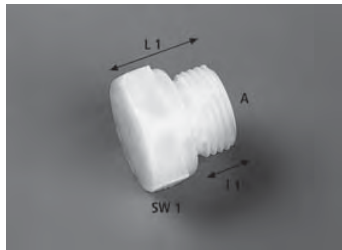
FLANGES are used for connecting pipes detachably. They are manufactured according to DIN 1092, DIN 2527 or ANSI B16.5.



Article-Nr	Connection A	Material
3F130G100PN	G1"	PP-NATUR
3F130G100PP	G1"	PP
3F130G100PV	G1"	PVDF
3F130G112PP	G11/2"	PP
3F130G114PP	G11/4"	PP
3F130G12PF	G1/2"	PFA
3F130G12PN	G1/2"	PP-NATUR
3F130G12PP	G1/2"	PP
3F130G12PPEP	G1/2"	PP/EPDM
3F130G12PPFP	G1/2"	PP/FPM
3F130G12PV	G1/2"	PVDF
3F130G12PVFP	G1/2"	PVDF/FPM
3F130G14PF	G1/4"	PFA
3F130G14PN	G1/4"	PP-NATUR
3F130G14PP	G1/4"	PP
3F130G14PPEP	G1/4"	PP/EPDM
3F130G14PPFP	G1/4"	PP/FPM
3F130G14PTFP	G1/4"	PTFE/FPM
3F130G14PV	G1/4"	PVDF
3F130G14PVFP	G1/4"	PVDF/FPM
3F130G18PF	G1/8"	PFA
3F130G18PFEP	G1/8"	PFA/EPDM
3F130G18PN	G1/8"	PP-NATUR
3F130G18PP	G1/8"	PP
3F130G18PPEP	G1/8"	PP/EPDM
3F130G18PPFP	G1/8"	PP/FPM
3F130G18PTFP	G1/8"	PTFE/FPM
3F130G18PV	G1/8"	PVDF
3F130G18PVFP	G1/8"	PVDF/FPM
3F130G34PN	G3/4"	PP-NATUR
3F130G34PP	G3/4"	PP
3F130G34PV	G3/4"	PVDF
3F130G34VEP	G3/4"	PVDF/EPDM
3F130G34PVFP	G3/4"	PVDF/FPM
3F130G38PF	G3/8"	PFA
3F130G38PN	G3/8"	PP-NATUR
3F130G38PP	G3/8"	PP
3F130G38PPFP	G3/8"	PP/FPM
3F130G38PV	G3/8"	PVDF
3F130G38PVFP	G3/8"	PVDF/FPM
3F130G58PP	G5/8"	PP

Dimensions 3F130G...

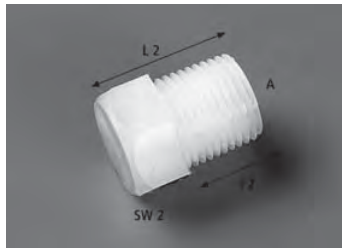
A(G)	l1	L1	SW1
1/8"	8	14	14
1/4"	12	22.5	17
3/8"	12	25.5	22
1/2"	14	28.5	27
3/4"	16	32	36
1"	18	36	43
1 1/4"	20	38	50
1 1/2"	22	42	55
2"	24	46	70



Article-Nr	Connection A	Material
3F130M06PP	M6	PP
3F130M08PP	M8	PP
3F130M10PP	M10	PP
3F130M10PTFP	M10	PTFE/FPM
3F130M10PV	M10	PVDF
3F130M11PP	M10x1	PP
3F130M11PV	M10x1	PVDF
3F130M11PVFP	M10x1	PVDF/FPM
3F130M15PP	M12x1,5	PP
3F130M15PPFP	M12x1,5	PP/FPM
3F130M15PTFP	M12x1,5	PTFE/FPM
3F130M17PPFP	M14x1,5	PP/FPM
3F130M17PTFP	M14x1,5	PTFE/FPM
3F130M19PP	M16x1,5	PP
3F130M19PPFP	M16x1,5	PP/FPM
3F130M19PVFP	M16x1,5	PVDF/FPM
3F130M21PP	M18x1,5	PP
3F130M21PV	M18x1,5	PVDF
3F130M23PP	M20x1,5	PP

Dimensions 3F130M. . .

A(M)	l1	L1	SW1
10x1	8	15.5	17
10x1,5	8	15.5	17
12x1,5	12	21	19
14x1,5	12	21.5	22
16x1,5	12	21.5	22
18x1,5	12	23	24
20x1,5	14	26	27

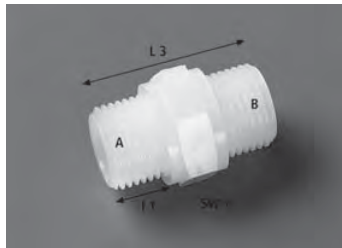


Article-Nr	Connection A	Material
3F130N100PF	NPT1"	PFA
3F130N100PP	NPT1"	PP
3F130N100PV	NPT1"	PVDF
3F130N12PF	NPT1/2"	PFA
3F130N12PN	NPT1/2"	PP-NATUR
3F130N12PP	NPT1/2"	PP
3F130N12PV	NPT1/2"	PVDF
3F130N14PF	NPT1/4"	PFA
3F130N14PN	NPT1/4"	PP-NATUR
3F130N14PP	NPT1/4"	PP
3F130N14PV	NPT1/4"	PVDF
3F130N18PF	NPT1/8"	PFA
3F130N18PN	NPT1/8"	PP-NATUR
3F130N18PP	NPT1/8"	PP
3F130N18PV	NPT1/8"	PVDF
3F130N34PF	NPT3/4"	PFA
3F130N34PP	NPT3/4"	PP
3F130N34PV	NPT3/4"	PVDF
3F130N38PF	NPT3/8"	PFA
3F130N38PN	NPT3/8"	PP-NATUR
3F130N38PP	NPT3/8"	PP
3F130N38PV	NPT3/8"	PVDF

Dimensions 3F130N...

A(NPT)	l2	L2	SW2
1/8"	10	15	12
1/4"	15	23	17
3/8"	15.3	25	19
1/2"	20	32	24
3/4"	20	33	32
1"	25	40	36

Straight nipple (Series 3F) with male G-thread on both ends



Article-Nr	Connection A	Connection B	Material
3F133GG10012PP	G1"	G1/2"	PP
3F133GG10012PV	G1"	G1/2"	PVDF
3F133GG10014PV	G1"	G1/4"	PVDF
3F133GG10034PP	G1"	G3/4"	PP
3F133GG100PP	G1"	G1"	PP
3F133GG100PV	G1"	G1"	PVDF
3F133GG112PP	G1 1/2"	G1 1/2"	PP
3F133GG112PV	G1 1/2"	G1 1/2"	PVDF
3F133GG11412PV	G1 1/4"	G1/2"	PVDF
3F133GG114PP	G1 1/4"		PP
3F133GG114PV	G1 1/4"	G1 1/4"	PVDF
3F133GG1214PF	G1/2"	G1/4"	PFA
3F133GG1214PK	G1/2"	G1/4"	PEEK
3F133GG1214PN	G1/2"	G1/4"	PP-NATUR
3F133GG1214PP	G1/2"	G1/4"	PP
3F133GG1214PPFP	G1/2"	G1/4"	PP/FPM
3F133GG1214PV	G1/2"	G1/4"	PVDF
3F133GG1218PP	G1/2"	G1/8"	PP
3F133GG1218PV	G1/2"	G1/8"	PVDF
3F133GG1238PN	G1/2"	G3/8"	PP-NATUR
3F133GG1238PP	G1/2"	G3/8"	PP
3F133GG1238PV	G1/2"	G3/8"	PVDF
3F133GG12PF	G1/2"	G1/2"	PFA
3F133GG12PFFK	G1/2"	G1/2"	PFA/FFKM
3F133GG12PK	G1/2"	G1/2"	PEEK
3F133GG12PN	G1/2"	G1/2"	PP-NATUR
3F133GG12PP	G1/2"	G1/2"	PP
3F133GG12PPFP	G1/2"	G1/2"	PP/FPM
3F133GG12PTFP	G1/2"	G1/2"	PTFE/FPM
3F133GG12PV	G1/2"	G1/2"	PVDF
3F133GG12PVFP	G1/2"	G1/2"	PVDF/FPM
3F133GG1418PF	G1/4"	G1/8"	PFA
3F133GG1418PN	G1/4"	G1/8"	PP-NATUR
3F133GG1418PP	G1/4"	G1/8"	PP
3F133GG1418PPFP	G1/4"	G1/8"	PP/FPM
3F133GG1418PV	G1/4"	G1/8"	PVDF
3F133GG1418PVEP	G1/4"	G1/8"	PVDF/EPDM
3F133GG14PF	G1/4"	G1/4"	PFA
3F133GG14PFFP	G1/4"	G1/4"	PFA/FPM
3F133GG14PK	G1/4"	G1/4"	PEEK
3F133GG14PN	G1/4"	G1/4"	PP-NATUR
3F133GG14PP	G1/4"	G1/4"	PP
3F133GG14PPEP	G1/4"	G1/4"	PP/EPDM
3F133GG14PPFP	G1/4"	G1/4"	PP/FPM
3F133GG14PV	G1/4"	G1/4"	PVDF
3F133GG14PVEP	G1/4"	G1/4"	PVDF/EPDM
3F133GG14PVFP	G1/4"	G1/4"	PVDF/FPM
3F133GG18PF	G1/8"	G1/8"	PFA
3F133GG18PN	G1/8"	G1/8"	PP-NATUR
3F133GG18PP	G1/8"	G1/8"	PP
3F133GG18PPFP	G1/8"	G1/8"	PP/FPM
3F133GG18PV	G1/8"	G1/8"	PVDF
3F133GG18PVFP	G1/8"	G1/8"	PVDF/FPM
3F133GG200PV	G2"	G2"	PVDF
3F133GG3412PF	G3/4"	G1/2"	PFA
3F133GG3412PP	G3/4"	G1/2"	PP
3F133GG3412PV	G3/4"	G1/2"	PVDF
3F133GG3414PP	G3/4"	G1/4"	PP
3F133GG3438PP	G3/4"	G3/8"	PP
3F133GG34PN	G3/4"	G3/4"	PP-NATUR
3F133GG34PP	G3/4"	G3/4"	PP
3F133GG34PPFP	G3/4"	G3/4"	PP/FPM

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Straight nipple (Series 3F) with male G-thread on both ends

3

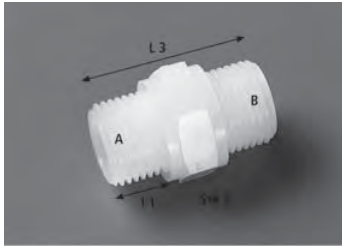
Article-Nr	Connection A	Connection B	Material
3F133GG34PV	G3/4"	G3/4"	PVDF
3F133GG3814PF	G3/8"	G1/4"	PFA
3F133GG3814PP	G3/8"	G1/4"	PP
3F133GG3814PPFP	G3/8"	G1/4"	PP/FPM
3F133GG3814PV	G3/8"	G1/4"	PVDF
3F133GG3818PP	G3/8"	G1/8"	PP
3F133GG3818PPFP	G3/8"	G1/8"	PP/FPM
3F133GG3818PV	G3/8"	G1/8"	PVDF
3F133GG38PK	G3/8"	G3/8"	PEEK
3F133GG38PN	G3/8"	G3/8"	PP-NATUR
3F133GG38PP	G3/8"	G3/8"	PP
3F133GG38PV	G3/8"	G3/8"	PVDF

Dimensions 3F133GG . . .

A(G)	B(G)	I1	L3	SW1
1/8"	1/8"	8	23	14
1/4"	1/4"	12	33	17
3/8"	3/8"	12	36	22
1/2"	1/2"	14	43	27
3/4"	3/4"	16	50	36
1"	1"	18	57	43
1 1/4"	1 1/4"	20	65	50
1 1/2"	1 1/2"	22	70	55
2"	2"	24	80	70

Straight nipple (Series 3F) with male M-thread on both ends

3



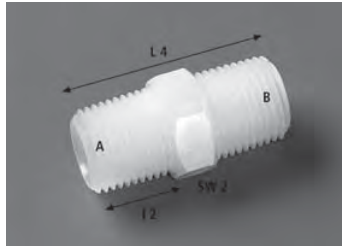
Article-Nr	Connection A	Connection B	Material
3F133MM10PTFP	M10x1,5	M10x1,5	PTFE/FPM
3F133MM11PP	M10x1	M10x1	PP
3F133MM15PTFP	M12x1,5	M12x1,5	PTFE/FPM
3F133MM2319PV	M20x1,5	M16x1,5	PVDF

Dimensions 3F133MM. . .

A(M)	B(M)	l1	L3	SW1
10x1	10x1	8	23	14
10x1,5	10x1,5	8	23	14
12x1,5	12x1,5	12	34	17
14x1,5	14x1,5	12	36	19
16x1,5	16x1,5	12	36	22
18x1,5	18x1,5	12	38	24
20x1,5	20x1,5	14	43	27

Straight nipple (Series 3F) with male NPT-thread on both ends

3



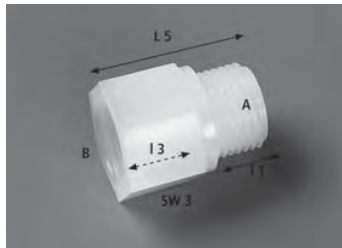
Article-Nr	Connection A	Connection B	Material
3F133NN10012PF	NPT1"	NPT1/2"	PFA
3F133NN10034PV	NPT1"	NPT3/4"	PVDF
3F133NN1214PF	NPT1/2"	NPT1/4"	PFA
3F133NN1214PN	NPT1/2"	NPT1/4"	PP-NATUR
3F133NN1214PP	NPT1/2"	NPT1/4"	PP
3F133NN1214PV	NPT1/2"	NPT1/4"	PVDF
3F133NN1218PP	NPT1/2"	NPT1/8"	PP
3F133NN1238PN	NPT1/2"	NPT3/8"	PP-NATUR
3F133NN1238PP	NPT1/2"	NPT3/8"	PP
3F133NN1238PV	NPT1/2"	NPT3/8"	PVDF
3F133NN12PF	NPT1/2"	NPT1/2"	PFA
3F133NN12PN	NPT1/2"	NPT1/2"	PP-NATUR
3F133NN12PP	NPT1/2"	NPT1/2"	PP
3F133NN12PV	NPT1/2"	NPT1/2"	PVDF
3F133NN1418PP	NPT1/4"	NPT1/8"	PP
3F133NN1418PV	NPT1/4"	NPT1/8"	PVDF
3F133NN14PF	NPT1/4"	NPT1/4"	PFA
3F133NN14PN	NPT1/4"	NPT1/4"	PP-NATUR
3F133NN14PP	NPT1/4"	NPT1/4"	PP
3F133NN14PV	NPT1/4"	NPT1/4"	PVDF
3F133NN18PP	NPT1/8"	NPT1/8"	PP
3F133NN18PV	NPT1/8"	NPT1/8"	PVDF
3F133NN3412PP	NPT3/4"	NPT1/2"	PP
3F133NN3412PV	NPT3/4"	NPT1/2"	PVDF
3F133NN3414PN	NPT3/4"	NPT1/4"	PP-NATUR
3F133NN34PP	NPT3/4"	NPT3/4"	PP
3F133NN34PV	NPT3/4"	NPT3/4"	PVDF
3F133NN3814PF	NPT3/8"	NPT1/4"	PFA
3F133NN3814PP	NPT3/8"	NPT1/4"	PP
3F133NN3814PV	NPT3/8"	NPT1/4"	PVDF
3F133NN3818PP	NPT3/8"	NPT1/8"	PP
3F133NN38PF	NPT3/8"	NPT3/8"	PFA
3F133NN38PP	NPT3/8"	NPT3/8"	PP
3F133NN38PV	NPT3/8"	NPT3/8"	PVDF

Dimensions 3F133NN...

A(NPT)	B(NPT)	I2	L4	SW2
1/8"	1/8"	10	25	12
1/4"	1/4"	15	38	17
3/8"	3/8"	15.3	40	19
1/2"	1/2"	20	50	24
3/4"	3/4"	20	50	32
1"	1"	25	64	36

Straight bushing (Series 3F) with male G-thread and female G-thread

3



Article-Nr	Connection A	Connection B	Material
3F134GG10012PP	G1"	G1/2"	PP
3F134GG10012PV	G1"	G1/2"	PVDF
3F134GG10014PP	G1"	G1/4"	PP
3F134GG10014PV	G1"	G1/4"	PVDF
3F134GG10034PP	G1"	G3/4"	PP
3F134GG10034PV	G1"	G3/4"	PVDF
3F134GG10038PV	G1"	G3/8"	PVDF
3F134GG100PP	G1",G1"		PP
3F134GG11212PV	G11/2"	G1/2"	PVDF
3F134GG112PP	G11/2"	G11/2"	PP
3F134GG11412PP	G11/4"	G1/2"	PP
3F134GG11412PV	G11/4"	G1/2"	PVDF
3F134GG11414PP	G11/4"	G1/4"	PP
3F134GG114PP	G11/4"	G11/4"	PP
3F134GG114PV	G11/4"	G11/4"	PVDF
3F134GG12100PP	G1/2"	G1"	PP
3F134GG12100PV	G1/2"	G1"	PVDF
3F134GG1214PF	G1/2"	G1/4"	PFA
3F134GG1214PN	G1/2"	G1/4"	PP-NATUR
3F134GG1214PP	G1/2"	G1/4"	PP
3F134GG1214PPEP	G1/2"	G1/4"	PP/EPDM
3F134GG1214PPFP	G1/2"	G1/4"	PP/FPM
3F134GG1214PV	G1/2"	G1/4"	PVDF
3F134GG1218PP	G1/2"	G1/8"	PP
3F134GG1218PV	G1/2"	G1/8"	PVDF
3F134GG1234PP	G1/2"	G3/4"	PP
3F134GG1234PV	G1/2"	G3/4"	PVDF
3F134GG1238PN	G1/2"	G3/8"	PP-NATUR
3F134GG1238PP	G1/2"	G3/8"	PP
3F134GG1238PPFP	G1/2"	G3/8"	PP/FPM
3F134GG1238PV	G1/2"	G3/8"	PVDF
3F134GG12PP	G1/2"	G1/2"	PP
3F134GG12PV	G1/2"	G1/2"	PVDF
3F134GG1412PP	G1/4"	G1/2"	PP
3F134GG1412PV	G1/4"	G1/2"	PVDF
3F134GG1418PF	G1/4"	G1/8"	PFA
3F134GG1418PP	G1/4"	G1/8"	PP
3F134GG1418PPFP	G1/4"	G1/8"	PP/FPM
3F134GG1418PV	G1/4"	G1/8"	PVDF
3F134GG1434PP	G1/4"	G3/4"	PP
3F134GG1438PN	G1/4"	G3/8"	PP-NATUR
3F134GG1438PP	G1/4"	G3/8"	PP
3F134GG1438PV	G1/4"	G3/8"	PVDF
3F134GG1458PP	G1/4"	G5/8"	PP
3F134GG1458PPFP	G1/4"	G5/8"	PP/FPM
3F134GG14PF	G1/4"	G1/4"	PFA
3F134GG14PN	G1/4"	G1/4"	PP-NATUR
3F134GG14PP	G1/4"	G1/4"	PP
3F134GG14PPFP	G1/4"	G1/4"	PP/FPM
3F134GG14PV	G1/4"	G1/4"	PVDF
3F134GG14PVFP	G1/4"	G1/4"	PVDF/FPM
3F134GG1812PP	G1/8"	G1/2"	PP
3F134GG1814PN	G1/8"	G1/4"	PP-NATUR
3F134GG1814PP	G1/8"	G1/4"	PP
3F134GG1814PPFP	G1/8"	G1/4"	PP/FPM
3F134GG1814PV	G1/8"	G1/4"	PVDF
3F134GG1838PP	G1/8"	G3/8"	PP
3F134GG18PK	G1/8"	G1/8"	PEEK
3F134GG18PP	G1/8"	G1/8"	PP
3F134GG18PV	G1/8"	G1/8"	PVDF
3F134GG200PP	G2",G2"		PP
3F134GG34100PV	G3/4"	G1"	PVDF

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Straight bushing (Series 3F) with male G-thread and female G-thread

3

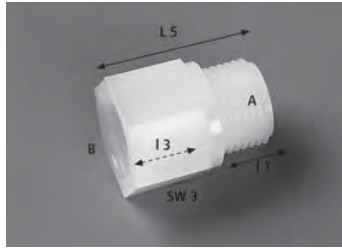
Article-Nr	Connection A	Connection B	Material
3F134GG3412PF	G3/4"	G1/2"	PFA
3F134GG3412PN	G3/4"	G1/2"	PP-NATUR
3F134GG3412PP	G3/4"	G1/2"	PP
3F134GG3412PV	G3/4"	G1/2"	PVDF
3F134GG3414PP	G3/4"	G1/4"	PP
3F134GG3414PV	G3/4"	G1/4"	PVDF
3F134GG3418PP	G3/4"	G1/8"	PP
3F134GG34200PP	G3/4"	G2"	PP
3F134GG3438PP	G3/4"	G3/8"	PP
3F134GG3438PV	G3/4"	G3/8"	PVDF
3F134GG34PN	G3/4"	G3/4"	PP-NATUR
3F134GG34PP	G3/4"	G3/4"	PP
3F134GG34PV	G3/4"	G3/4"	PVDF
3F134GG38100PV	G3/8"	G1"	PVDF
3F134GG3812PF	G3/8"	G1/2"	PFA
3F134GG3812PN	G3/8"	G1/2"	PP-NATUR
3F134GG3812PP	G3/8"	G1/2"	PP
3F134GG3812PV	G3/8"	G1/2"	PVDF
3F134GG3814PN	G3/8"	G1/4"	PP-NATUR
3F134GG3814PP	G3/8"	G1/4"	PP
3F134GG3814PEL	G3/8"	G1/4"	PP
3F134GG3814PV	G3/8"	G1/4"	PVDF
3F134GG3814PVFP	G3/8"	G1/4"	PVDF/FPM
3F134GG3818PP	G3/8"	G1/8"	PP
3F134GG3818PV	G3/8"	G1/8"	PVDF
3F134GG38200PP	G3/8"	G2"	PP
3F134GG3834PN	G3/8"	G3/4"	PP-NATUR
3F134GG3834PP	G3/8"	G3/4"	PP
3F134GG3834PTFP	G3/8"	G3/4"	PTFE/FPM
3F134GG38PF	G3/8"	G3/8"	PFA
3F134GG38PK	G3/8"	G3/8"	PEEK
3F134GG38PP	G3/8"	G3/8"	PP
3F134GG38PPFP	G3/8"	G3/8"	PP/FPM
3F134GG38PV	G3/8"	G3/8"	PVDF

Dimensions 3F134GG . . .

A(G)	B(G)	I1	I3	L5	SW3
1/8"	1/8"	8	10	22	14
1/4"	1/4"	12	15	34	17
3/8"	3/8"	12	15	33	22
1/2"	1/2"	14	16	37	27
3/4"	3/4"	16	20	48	32
1"	1"	18	22	49	43
1 1/4"	1 1/4"	20	24	50	50
1 1/2"	1 1/2"	22	26	57	55
2"	2"	24	28	63	70

Straight bushing (Series 3F) with male M-thread and female M-thread

3



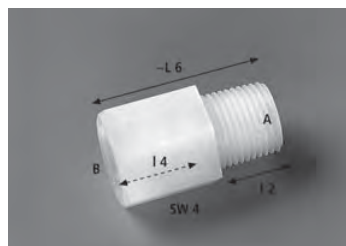
Article-Nr	Connection A	Connection B	Material
3F134MM0608PV	M6	M8	PVDF
3F134MM0806PV	M8	M6	PVDF
3F134MM10PTFP	M10x1,5	M10x1,5	PTFE/FPM
3F134MM15PTFP	M12x1,5	M12x1,5	PTFE/FPM
3F134MM17PP	M14x1,5	M14x1,5	PP

Dimensions 3F134MM. . .

A(M)	B(M)	I1	I3	L5	SW3
10x1	10x1	8	10	22	14
10x1,5	10x1,5	8	10	22	14
12x1,5	12x1,5	12	15	34	17
14x1,5	14x1,5	12	15	34	19
16x1,5	16x1,5	12	15,5	34	22
18x1,5	18x1,5	12	16,5	34	24
20x1,5	20x1,5	14	16,5	37	27

Straight bushing (Series 3F) with male NPT-thread and female NPT-thread

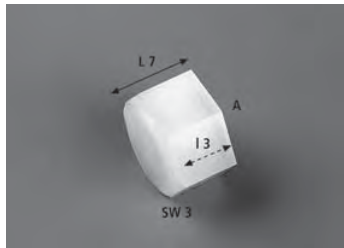
3



Article-Nr	Connection A	Connection B	Material
3F134NN10012PP	NPT1"	NPT1/2"	PP
3F134NN10012PV	NPT1"	NPT1/2"	PVDF
3F134NN10034PV	NPT1"	NPT3/4"	PVDF
3F134NN1214PP	NPT1/2"	NPT1/4"	PP
3F134NN1214PV	NPT1/2"	NPT1/4"	PVDF
3F134NN1234PP	NPT1/2"	NPT3/4"	PP
3F134NN1238PP	NPT1/2"	NPT3/8"	PP
3F134NN12PP	NPT1/2"	NPT1/2"	PP
3F134NN12PV	NPT1/2"	NPT1/2"	PVDF
3F134NN1412PF	NPT1/4"	NPT1/2"	PFA
3F134NN1412PP	NPT1/4"	NPT1/2"	PP
3F134NN1412PV	NPT1/4"	NPT1/2"	PVDF
3F134NN1418PF	NPT1/4"	NPT1/8"	PFA
3F134NN1418PN	NPT1/4"	NPT1/8"	PP-NATUR
3F134NN1418PP	NPT1/4"	NPT1/8"	PP
3F134NN1418PV	NPT1/4"	NPT1/8"	PVDF
3F134NN1438PF	NPT1/4"	NPT3/8"	PFA
3F134NN1438PV	NPT1/4"	NPT3/8"	PVDF
3F134NN14PF	NPT1/4"	NPT1/4"	PFA
3F134NN14PP	NPT1/4"	NPT1/4"	PP
3F134NN14PV	NPT1/4"	NPT1/4"	PVDF
3F134NN1814PP	NPT1/8"	NPT1/4"	PP
3F134NN1814PV	NPT1/8"	NPT1/4"	PVDF
3F134NN18PF	NPT1/8"	NPT1/8"	PFA
3F134NN18PP	NPT1/8"	NPT1/8"	PP
3F134NN18PV	NPT1/8"	NPT1/8"	PVDF
3F134NN3412PP	NPT3/4"	NPT1/2"	PP
3F134NN3412PV	NPT3/4"	NPT1/2"	PVDF
3F134NN3438PV	NPT3/4"	NPT3/8"	PVDF
3F134NN3812PF	NPT3/8"	NPT1/2"	PFA
3F134NN3812PV	NPT3/8"	NPT1/2"	PVDF
3F134NN3814PP	NPT3/8"	NPT1/4"	PP
3F134NN3814PV	NPT3/8"	NPT1/4"	PVDF
3F134NN3818PP	NPT3/8"	NPT1/8"	PP
3F134NN38PF	NPT3/8"	NPT3/8"	PFA
3F134NN38PP	NPT3/8"	NPT3/8"	PP

Dimensions 3F134NN...

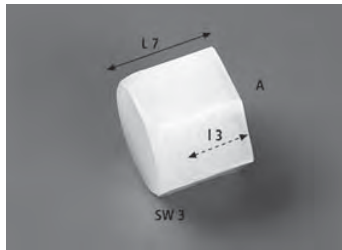
A(NPT)	B(NPT)	I2	I4	L6	SW4
1/8"	1/8"	10	11.6	25	14
1/4"	1/4"	15	16.4	35	17
3/8"	3/8"	15.3	17.4	38	22
1/2"	1/2"	20	22.6	48	27
3/4"	3/4"	20	23	50	32
1"	1"	25	28	58	43



Article-Nr	Connection A	Material
3F140G100PP	G1"	PP
3F140G112PP	G1 1/2"	PP
3F140G114PV	G1 1/4"	PVDF
3F140G12PF	G1/2"	PFA
3F140G12PN	G1/2"	PP-NATUR
3F140G12PP	G1/2"	PP
3F140G12PV	G1/2"	PVDF
3F140G14PN	G1/4"	PP-NATUR
3F140G14PP	G1/4"	PP
3F140G14PV	G1/4"	PVDF
3F140G18PN	G1/8"	PP-NATUR
3F140G18PP	G1/8"	PP
3F140G18PV	G1/8"	PVDF
3F140G34PN	G3/4"	PP-NATUR
3F140G34PP	G3/4"	PP
3F140G38PN	G3/8"	PP-NATUR
3F140G38PP	G3/8"	PP
3F140G38PV	G3/8"	PVDF

Dimensions 3F140G . . .

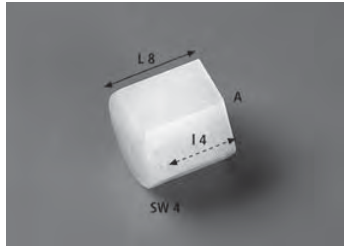
A(G)	I3	L7	SW3
1/8"	10	15	14
1/4"	15	18	17
3/8"	15	19	22
1/2"	16	21	27
3/4"	20	24	32
1"	20	26	43
1 1/4"	22	28	50
1 1/2"	24	30	60
2"	26	32	70



Article-Nr	Connection A	Material
3F140M10PP	M10	PP
3F140M10PV	M10	PVDF
3F140M11PF	M10x1	PFA
3F140M11PP	M10x1	PP
3F140M11PV	M10x1	PVDF
3F140M15PP	M12x1,5	PP
3F140M15PV	M12x1,5	PVDF
3F140M17PF	M14x1,5	PFA
3F140M17PV	M14x1,5	PVDF
3F140M19PP	M16x1,5	PP
3F140M21PF	M18x1,5	PFA
3F140M21PV	M18x1,5	PVDF
3F140M23PP	M20x1,5	PP

Dimensions 3F140M. . .

A(M)	l3	L7	SW3
10x1	10	15	14
10x1,5	10	15	14
12x1,5	15	18	17
14x1,5	15	18	19
16x1,5	15.5	19	22
18x1,5	16.5	19	24
20x1,5	16.5	21	27



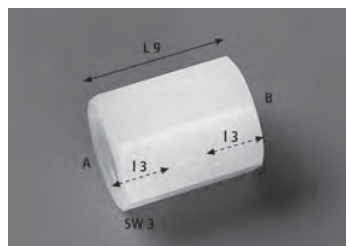
Article-Nr	Connection A	Material
3F140N12PF	NPT1/2"	PFA
3F140N12PP	NPT1/2"	PP
3F140N12PV	NPT1/2"	PVDF
3F140N14PP	NPT1/4"	PP
3F140N14PV	NPT1/4"	PVDF
3F140N18PF	NPT1/8"	PFA
3F140N18PP	NPT1/8"	PP
3F140N18PV	NPT1/8"	PVDF
3F140N38PP	NPT3/8"	PP
3F140N38PV	NPT3/8"	PVDF

Dimensions 3F140N . . .

A(NPT)	I4	L8	SW4
1/8"	10	14	14
1/4"	15	20	19
3/8"	15	20	22
1/2"	20	25	27
3/4"	23	28	32
1"	28	34	36

Straight bushing (Series 3F) with female G-thread on both ends

3



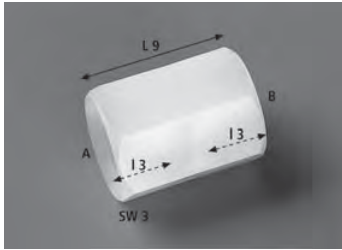
Article-Nr	Connection A	Connection B	Material
3F144GG10012PP	G1"	G1/2"	PP
3F144GG10012PV	G1"	G1/2"	PVDF
3F144GG10034PP	G1"	G3/4"	PP
3F144GG10034PV	G1"	G3/4"	PVDF
3F144GG10038PV	G1"	G3/8"	PVDF
3F144GG100PP	G1"	G1"	PP
3F144GG100PV	G1"	G1"	PVDF
3F144GG112PP	G1 1/2"		PP
3F144GG11412PP	G1 1/4"	G1/2"	PP
3F144GG114PP	G1 1/4"		PP
3F144GG1214PP	G1/2"	G1/4"	PP
3F144GG1214PV	G1/2"	G1/4"	PVDF
3F144GG1218PP	G1/2"	G1/8"	PP
3F144GG1218PV	G1/2"	G1/8"	PVDF
3F144GG1238PN	G1/2"	G3/8"	PP-NATUR
3F144GG1238PP	G1/2"	G3/8"	PP
3F144GG1238PV	G1/2"	G3/8"	PVDF
3F144GG12PF	G1/2"	G1/2"	PFA
3F144GG12PN	G1/2"	G1/2"	PP-NATUR
3F144GG12PP	G1/2"	G1/2"	PP
3F144GG12PV	G1/2"	G1/2"	PVDF
3F144GG1418PP	G1/4"	G1/8"	PP
3F144GG1418PV	G1/4"	G1/8"	PVDF
3F144GG14PF	G1/4"	G1/4"	PFA
3F144GG14PN	G1/4"	G1/4"	PP-NATUR
3F144GG14PP	G1/4"	G1/4"	PP
3F144GG14PV	G1/4"	G1/4"	PVDF
3F144GG18PF	G1/8"	G1/8"	PFA
3F144GG18PN	G1/8"	G1/8"	PP-NATUR
3F144GG18PP	G1/8"	G1/8"	PP
3F144GG18PV	G1/8"	G1/8"	PVDF
3F144GG200PP	G2"	G2"	PP
3F144GG3412PN	G3/4"	G1/2"	PP-NATUR
3F144GG3412PP	G3/4"	G1/2"	PP
3F144GG3412PV	G3/4"	G1/2"	PVDF
3F144GG3414PP	G3/4"	G1/4"	PP
3F144GG3414PV	G3/4"	G1/4"	PVDF
3F144GG3438PP	G3/4"	G3/8"	PP
3F144GG3438PV	G3/4"	G3/8"	PVDF
3F144GG34PN	G3/4"	G3/4"	PP-NATUR
3F144GG34PP	G3/4"	G3/4"	PP
3F144GG34PV	G3/4"	G3/4"	PVDF
3F144GG3814PP	G3/8"	G1/4"	PP
3F144GG3814PV	G3/8"	G1/4"	PVDF
3F144GG3818PP	G3/8"	G1/8"	PP
3F144GG3818PV	G3/8"	G1/8"	PVDF
3F144GG38PN	G3/8"	G3/8"	PP-NATUR
3F144GG38PP	G3/8"	G3/8"	PP
3F144GG38PV	G3/8"	G3/8"	PVDF

Dimensions 3F144GG . . .

A(G)	B(G)	I3	L9	SW3
1/8"	1/8"	10	24	14
1/4"	1/4"	15	34	17
3/8"	3/8"	15	34	22
1/2"	1/2"	16	37	27
3/4"	3/4"	20	46	32
1"	1"	22	55	43
1 1/4"	1 1/4"	24	53	50
1 1/2"	1 1/2"	26	57	55
2"	2"	28	61	70

Straight bushing (Series 3F) with female M-thread on both ends

3



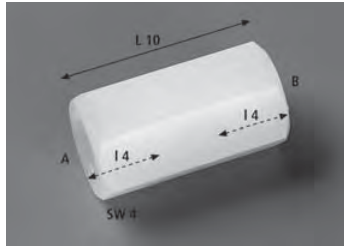
Article-Nr	Connection A	Connection B	Material
3F144MM06PP	M6	M6	PP
3F144MM11PP	M10x1	M10x1	PP
3F144MM23PP	M20x1,5	M20x1,5	PP

Dimensions 3F144MM. . .

A(M)	B(M)	I3	L9	SW3
10x1	10x1	10	25	14
10x1,5	10x1,5	10	25	14
12x1,5	12x1,5	15	34	17
14x1,5	14x1,5	15	34	19
16x1,5	16x1,5	15.5	34	22
18x1,5	18x1,5	16.5	37	24
20x1,5	20x1,5	16.5	37	27

Straight bushing (Series 3F) with female NPT-thread on both ends

3



Article-Nr	Connection A	Connection B	Material
3F144NN1214PP	NPT1/2"	NPT1/4"	PP
3F144NN1214PV	NPT1/2"	NPT1/4"	PVDF
3F144NN1238PP	NPT1/2"	NPT3/8"	PP
3F144NN12PN	NPT1/2"	NPT1/2"	PP-NATUR
3F144NN12PP	NPT1/2"	NPT1/2"	PP
3F144NN12PV	NPT1/2"	NPT1/2"	PVDF
3F144NN1418PF	NPT1/4"	NPT1/8"	PFA
3F144NN1418PP	NPT1/4"	NPT1/8"	PP
3F144NN1418PV	NPT1/4"	NPT1/8"	PVDF
3F144NN14PF	NPT1/4"	NPT1/4"	PFA
3F144NN14PN	NPT1/4"	NPT1/4"	PP-NATUR
3F144NN14PP	NPT1/4"	NPT1/4"	PP
3F144NN14PV	NPT1/4"	NPT1/4"	PVDF
3F144NN18PP	NPT1/8"	NPT1/8"	PP
3F144NN18PV	NPT1/8"	NPT1/8"	PVDF
3F144NN3438PN	NPT3/4"	NPT3/8"	PP-NATUR
3F144NN34PN	NPT3/4"	NPT3/4"	PP-NATUR
3F144NN34PP	NPT3/4"	NPT3/4"	PP
3F144NN3814PP	NPT3/8"	NPT1/4"	PP
3F144NN3814PV	NPT3/8"	NPT1/4"	PVDF
3F144NN3818PP	NPT3/8"	NPT1/8"	PP
3F144NN38PP	NPT3/8"	NPT3/8"	PP
3F144NN38PV	NPT3/8"	NPT3/8"	PVDF

Dimensions 3F144NN. . .

A(NPT)	B(NPT)	I4	L10	SW4
1/8"	1/8"	11.6	30	14
1/4"	1/4"	16.4	40	17
3/8"	3/8"	17.4	42	22
1/2"	1/2"	22.6	52	27
3/4"	3/4"	23	54	32
1"	1"	28	63	43

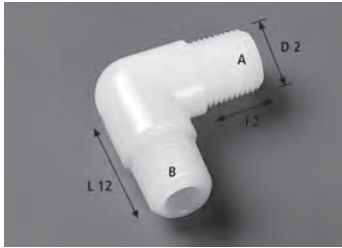
Elbow nipple (Series 3F) with male G-thread on both ends

3



Article-Nr	Connection A	Connection B	Material
3F233GG1214PF	G1/2"	G1/4"	PFA
3F233GG1214PN	G1/2"	G1/4"	PP-NATUR
3F233GG1214PP	G1/2"	G1/4"	PP
3F233GG1214PV	G1/2"	G1/4"	PVDF
3F233GG1218PP	G1/2"	G1/8"	PP
3F233GG1238PP	G1/2"	G3/8"	PP
3F233GG12PF	G1/2"	G1/2"	PFA
3F233GG12PP	G1/2"	G1/2"	PP
3F233GG12PV	G1/2"	G1/2"	PVDF
3F233GG1418PP	G1/4"	G1/8"	PP
3F233GG1418PV	G1/4"	G1/8"	PVDF
3F233GG14PF	G1/4"	G1/4"	PFA
3F233GG14PN	G1/4"	G1/4"	PP-NATUR
3F233GG14PP	G1/4"	G1/4"	PP
3F233GG14PV	G1/4"	G1/4"	PVDF
3F233GG18PP	G1/8"	G1/8"	PP
3F233GG3412PP	G3/4"	G1/2"	PP
3F233GG3814PP	G3/8"	G1/4"	PP
3F233GG38PP	G3/8"	G3/8"	PP
3F233GG38PV	G3/8"	G3/8"	PVDF

Elbow nipple (Series 3F) with male NPT-thread on both ends



Article-Nr	Connection A	Connection B	Material
3F233NN1214PV	NPT1/2"	NPT1/4"	PVDF
3F233NN12PF	NPT1/2"	NPT1/2"	PFA
3F233NN12PV	NPT1/2"	NPT1/2"	PVDF
3F233NN14PF	NPT1/4"	NPT1/4"	PFA
3F233NN14PP	NPT1/4"	NPT1/4"	PP
3F233NN14PV	NPT1/4"	NPT1/4"	PVDF

Elbow nipple (Series 3F) with male and female G-thread

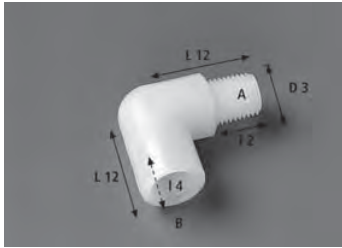
3



Article-Nr	Connection A	Connection B	Material
3F234GG100PP	G1"	G1"	PP
3F234GG1214PP	G1/2"	G1/4"	PP
3F234GG1214PV	G1/2"	G1/4"	PVDF
3F234GG1238PP	G1/2"	G3/8"	PP
3F234GG1238PPFP	G1/2"	G3/8"	PP/FPM
3F234GG1238PV	G1/2"	G3/8"	PVDF
3F234GG12PF	G1/2"	G1/2"	PFA
3F234GG12PP	G1/2"	G1/2"	PP
3F234GG12PTFP	G1/2"	G1/2"	PTFE/FPM
3F234GG12PV	G1/2"	G1/2"	PVDF
3F234GG12PVFP	G1/2"	G1/2"	PVDF
3F234GG1412PV	G1/4"	G1/2"	PVDF
3F234GG1418PP	G1/4"	G1/8"	PP
3F234GG1438PP	G1/4"	G3/8"	PP
3F234GG14PF	G1/4"	G1/4"	PFA
3F234GG14PN	G1/4"	G1/4"	PP-NATUR
3F234GG14PP	G1/4"	G1/4"	PP
3F234GG14PPEP	G1/4"	G1/4"	PP/EPDM
3F234GG14PPFP	G1/4"	G1/4"	PP/FPM
3F234GG14PV	G1/4"	G1/4"	PVDF
3F234GG14PVFP	G1/4"	G1/4"	PVDF/FPM
3F234GG1814PP	G1/8"	G1/4"	PP
3F234GG18PP	G1/8"	G1/8"	PP
3F234GG18PV	G1/8"	G1/8"	PVDF
3F234GG3412PV	G3/4"	G1/2"	PVDF
3F234GG34PP	G3/4"	G3/4"	PP
3F234GG3812PN	G3/8"	G1/2"	PP-NATUR
3F234GG3812PP	G3/8"	G1/2"	PP
3F234GG3814PP	G3/8"	G1/4"	PP
3F234GG38PP	G3/8"	G3/8"	PP
3F234GG38PPFP	G3/8"	G3/8"	PP/FPM
3F234GG38PV	G3/8"	G3/8"	PVDF

Elbow nipple (Series 3F) with male and female NPT-thread

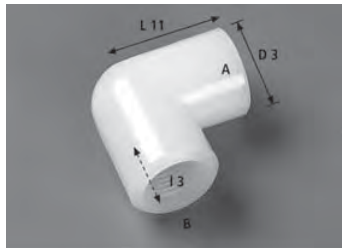
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Article-Nr	Connection A	Connection B	Material
3F234NN12PF	NPT1/2"	NPT1/2"	PFA
3F234NN12PP	NPT1/2"	NPT1/2"	PP
3F234NN12PV	NPT1/2"	NPT1/2"	PVDF
3F234NN14PF	NPT1/4"	NPT1/4"	PFA
3F234NN14PP	NPT1/4"	NPT1/4"	PP
3F234NN14PV	NPT1/4"	NPT1/4"	PVDF
3F234NN18PP	NPT1/8"	NPT1/8"	PP
3F234NN38PN	NPT3/8"	NPT3/8"	PP-NATUR
3F234NN38PP	NPT3/8"	NPT3/8"	PP

Elbow bushing (Series 3F) with female G-thread on both ends

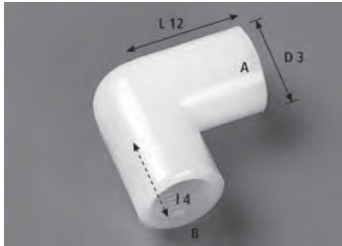
3



Article-Nr	Connection A	Connection B	Material
3F244GG10012PV	G1"	G1/2"	PVDF
3F244GG11412PV	G1 1/4"	G1/2"	PVDF
3F244GG1214PP	G1/2"	G1/4"	PP
3F244GG1214PV	G1/2"	G1/4"	PVDF
3F244GG1238PV	G1/2"	G3/8"	PVDF
3F244GG12PF	G1/2"	G1/2"	PFA
3F244GG12PP	G1/2"	G1/2"	PP
3F244GG12PV	G1/2"	G1/2"	PVDF
3F244GG1418PP	G1/4"	G1/8"	PP
3F244GG14PF	G1/4"	G1/4"	PFA
3F244GG14PN	G1/4"	G1/4"	PP-NATUR
3F244GG14PP	G1/4"	G1/4"	PP
3F244GG14PV	G1/4"	G1/4"	PVDF
3F244GG18PP	G1/8"	G1/8"	PP
3F244GG18PV	G1/8"	G1/8"	PVDF
3F244GG38PP	G3/8"	G3/8"	PP
3F244GG38PV	G3/8"	G3/8"	PVDF

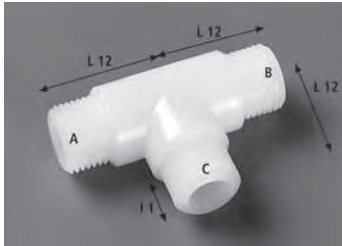
Elbow bushing (Series 3F) with female
NPT-thread on both ends

3



Article-Nr	Connection A	Connection B	Material
3F244NN1214PP	NPT1/2"	NPT1/4"	PP
3F244NN12PF	NPT1/2"	NPT1/2"	PFA
3F244NN12PP	NPT1/2"	NPT1/2"	PP
3F244NN12PV	NPT1/2"	NPT1/2"	PVDF
3F244NN1418PP	NPT1/4"	NPT1/8"	PP
3F244NN14PP	NPT1/4"	NPT1/4"	PP
3F244NN14PV	NPT1/4"	NPT1/4"	PVDF
3F244NN18PP	NPT1/8"	NPT1/8"	PP

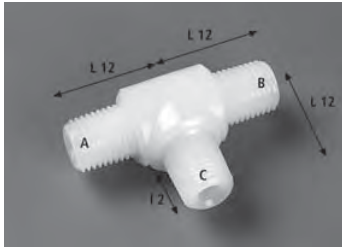
T-nipple (Series 3F) with male G-thread on all ends



Article-Nr	Connection A	Connection B	Connection C	Material
3F333GG121412PP	G1/2"	G1/4"	G1/2"	PP
3F333GG12PF	G1/2"	G1/2"	G1/2"	PFA
3F333GG12PP	G1/2"	G1/2"	G1/2"	PP
3F333GG12PV	G1/2"	G1/2"	G1/2"	PVDF
3F333GG141418PP	G1/4"	G1/4"	G1/8"	PP
3F333GG141418PV	G1/4"	G1/4"	G1/8"	PVDF
3F333GG14PN	G1/4"	G1/4"	G1/4"	PP-NATUR
3F333GG14PP	G1/4"	G1/4"	G1/4"	PP
3F333GG14PV	G1/4"	G1/4"	G1/4"	PVDF
3F333GG18PP	G1/8"	G1/8"	G1/8"	PP
3F333GG18PV	G1/8"	G1/8"	G1/8"	PVDF
3F333GG38PF	G3/8"	G3/8"	G3/8"	PFA
3F333GG38PP	G3/8"	G3/8"	G3/8"	PP
3F333GG38PV	G3/8"	G3/8"	G3/8"	PVDF

T-nipple (Series 3F) with male NPT-thread on all ends

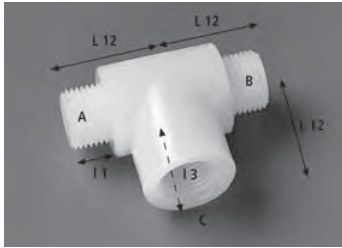
3



Article-Nr	Connection A	Connection B	Connection C	Material
3F333NN121214PV	NPT1/2"	NPT1/2"	NPT1/4"	PVDF
3F333NN123814PP	NPT1/2"	NPT3/8"	NPT1/4"	PP
3F333NN12PF	NPT1/2"	NPT1/2"	NPT1/2"	PFA
3F333NN12PV	NPT1/2"	NPT1/2"	NPT1/2"	PVDF
3F333NN141214PV	NPT1/4"	NPT1/2"	NPT1/4"	PVDF
3F333NN141412PF	NPT1/4"	NPT1/4"	NPT1/2"	PFA
3F333NN141438PF	NPT1/4"	NPT1/4"	NPT3/8"	PFA
3F333NN14PF	NPT1/4"	NPT1/4"	NPT1/4"	PFA
3F333NN14PP	NPT1/4"	NPT1/4"	NPT1/4"	PP
3F333NN14PV	NPT1/4"	NPT1/4"	NPT1/4"	PVDF
3F333NN18PV	NPT1/8"	NPT1/8"	NPT1/8"	PVDF
3F333NN38PP	NPT3/8"	NPT3/8"	NPT3/8"	PP

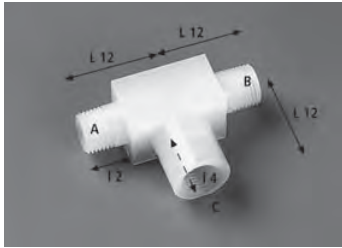
T-nipple (Series 3F) with male and female G-thread

3



Article-Nr	Connection A	Connection B	Connection C	Material
3F334GG121414PP	G1/2"	G1/4"	G1/4"	PP
3F334GG123812PP	G1/2"	G3/8"	G1/2"	PP
3F334GG12PP	G1/2"	G1/2"	G1/2"	PP
3F334GG12PV	G1/2"	G1/2"	G1/2"	PVDF
3F334GG141418PP	G1/4"	G1/4"	G1/8"	PP
3F334GG141418PV	G1/4"	G1/4"	G1/8"	PVDF
3F334GG141814PV	G1/4"	G1/8"	G1/4"	PVDF
3F334GG14PF	G1/4"	G1/4"	G1/4"	PFA
3F334GG14PN	G1/4"	G1/4"	G1/4"	PP-NATUR
3F334GG14PP	G1/4"	G1/4"	G1/4"	PP
3F334GG14PPEP	G1/4"	G1/4"	G1/4"	PP/EPDM
3F334GG14PV	G1/4"	G1/4"	G1/4"	PVDF
3F334GG14PVFP	G1/4"	G1/4"	G1/4"	PVDF/FPM
3F334GG18PP	G1/8"	G1/8"	G1/8"	PP
3F334GG18PV	G1/8"	G1/8"	G1/8"	PVDF
3F334GG381438PP	G3/8"	G1/4"	G3/8"	PP
3F334GG38PP	G3/8"	G3/8"	G3/8"	PP
3F334GG38PV	G3/8"	G3/8"	G3/8"	PVDF

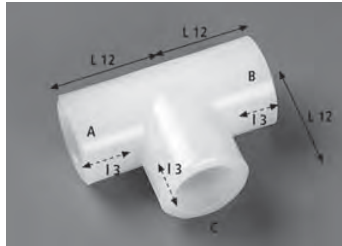
T-nipple (Series 3F) with male and female NPT-thread



Article-Nr	Connection A	Connection B	Connection C	Material
3F334NN12PV	NPT1/2"	NPT1/2"	NPT1/2"	PVDF
3F334NN14PP	NPT1/4"	NPT1/4"	NPT1/4"	PP
3F334NN14PV	NPT1/4"	NPT1/4"	NPT1/4"	PVDF
3F334NN18PP	NPT1/8"	NPT1/8"	NPT1/8"	PP
3F334NN38PV	NPT3/8"	NPT3/8"	NPT3/8"	PVDF

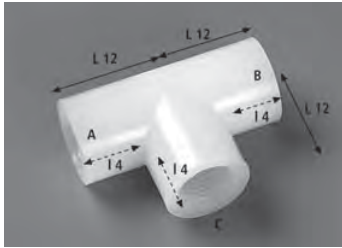
T-nipple (Series 3F) with female G-thread on all ends

3



Article-Nr	Connection A	Connection B	Connection C	Material
3F344GG10014100PI	G1"	G1/4"	G1"	PP
3F344GG1212100PV	G1/2"	G1/2"	G1"	PVDF
3F344GG121214PP	G1/2"	G1/2"	G1/4"	PP
3F344GG121214PV	G1/2"	G1/2"	G1/4"	PVDF
3F344GG121238PP	G1/2"	G1/2"	G3/8"	PP
3F344GG121238PV	G1/2"	G1/2"	G3/8"	PVDF
3F344GG121258PP	G1/2"	G1/2"	G5/8"	PP
3F344GG121258PV	G1/2"	G1/2"	G5/8"	PVDF
3F344GG121414PP	G1/2"	G1/4"	G1/4"	PP
3F344GG121414PV	G1/2"	G1/4"	G1/4"	PVDF
3F344GG123812PV	G1/2"	G3/8"	G1/2"	PVDF
3F344GG12PF	G1/2"	G1/2"	G1/2"	PFA
3F344GG12PN	G1/2"	G1/2"	G1/2"	PP-NATUR
3F344GG12PP	G1/2"	G1/2"	G1/2"	PP
3F344GG12PV	G1/2"	G1/2"	G1/2"	PVDF
3F344GG141412PV	G1/4"	G1/4"	G1/2"	PVDF
3F344GG141418PP	G1/4"	G1/4"	G1/8"	PP
3F344GG14PF	G1/4"	G1/4"	G1/4"	PFA
3F344GG14PN	G1/4"	G1/4"	G1/4"	PP-NATUR
3F344GG14PP	G1/4"	G1/4"	G1/4"	PP
3F344GG14PV	G1/4"	G1/4"	G1/4"	PVDF
3F344GG181814PP	G1/8"	G1/8"	G1/4"	PP
3F344GG18PN	G1/8"	G1/8"	G1/8"	PP-NATUR
3F344GG18PP	G1/8"	G1/8"	G1/8"	PP
3F344GG18PV	G1/8"	G1/8"	G1/8"	PVDF
3F344GG34PP	G3/4"	G3/4"	G3/4"	PP
3F344GG34PV	G3/4"	G3/4"	G3/4"	PVDF
3F344GG3838114PV	G3/8"	G3/8"	G1 1/4"	PVDF
3F344GG383812PP	G3/8"	G3/8"	G1/2"	PP
3F344GG383814PV	G3/8"	G3/8"	G1/4"	PVDF
3F344GG38PF	G3/8"	G3/8"	G3/8"	PFA
3F344GG38PP	G3/8"	G3/8"	G3/8"	PP
3F344GG38PV	G3/8"	G3/8"	G3/8"	PVDF

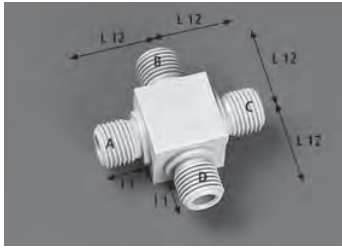
T-nipple (Series 3F) with female NPT-thread on all ends



Article-Nr	Connection A	Connection B	Connection C	Material
3F344NN12PF	NPT1/2"	NPT1/2"	NPT1/2"	PFA
3F344NN12PP	NPT1/2",NPT1/2"	NPT1/2"		PP
3F344NN12PV	NPT1/2",NPT1/2"	NPT1/2"		PVDF
3F344NN14PF	NPT1/4"	NPT1/4"	NPT1/4"	PFA
3F344NN14PP	NPT1/4"	NPT1/4"	NPT1/4"	PP
3F344NN14PV	NPT1/4"	NPT1/4"	NPT1/4"	PVDF
3F344NN18PP	NPT1/8"	NPT1/8"	NPT1/8"	PP
3F344NN18PV	NPT1/8"	NPT1/8"	NPT1/8"	PVDF
3F344NN34PP	NPT3/4"	NPT3/4"	NPT3/4"	PP
3F344NN38PP	NPT3/8"	NPT3/8"	NPT3/8"	PP

Cross nipple (Series 3F) with male G-thread on all ends

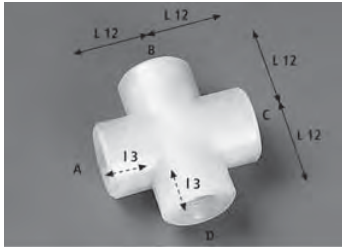
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Article-Nr	Connection A	Connection B	Connection C Connection D	Material
3F433GG12PV	G1/2"	G1/2"	G1/2" G1/2"	PVDF
3F433GG14PN	G1/4"	G1/4"	G1/4" G1/4"	PP-NATUR
3F433GG14PP	G1/4"	G1/4"	G1/4" G1/4"	PP
3F433GG14PV	G1/4"	G1/4"	G1/4" G1/4"	PVDF

Cross nipple (Series 3F) with female G-thread on all ends

3



Article-Nr	Connection A	Connection B	Connection C Connection D	Material
3F444GG12121414P ¹⁾	G1/2"	G1/2"	G1/4" G1/4"	PVDF
3F444GG12PP	G1/2"	G1/2"	G1/2" G1/2"	PP
3F444GG14PP	G1/4"	G1/4"	G1/4" G1/4"	PP
3F444GG14PV	G1/4"	G1/4"	G1/4" G1/4"	PVDF
3F444GG18PV	G1/8"	G1/8"	G1/8" G1/8"	PVDF
3F444GG38PP	G3/8"	G3/8"	G3/8" G3/8"	PP

Straight nipple (Series 3F), detachable, with male G-thread on both ends

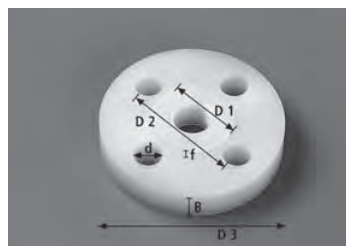
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Article-Nr	Connection A	Connection B	Material
3F533GG12PFFK	G1/2"	G1/2"	PFA/FFKM
3F533GG12PFFP	G1/2"	G1/2"	PFA/FPM
3F533GG12PNFP	G1/2"	G1/2"	PP-NATUR/FPM
3F533GG12PPEP	G1/2"	G1/2"	PP/EPDM
3F533GG12PPFP	G1/2"	G1/2"	PP/FPM
3F533GG12PVFP	G1/2"	G1/2"	PVDF/FPM
3F533GG14PFFK	G1/4"	G1/4"	PFA/FFKM
3F533GG14PFFP	G1/4"	G1/4"	PFA/FPM
3F533GG14PNFP	G1/4"	G1/4"	PP-NATUR/FPM
3F533GG14PPFP	G1/4"	G1/4"	PP/FPM
3F533GG14PVEP	G1/4"	G1/4"	PVDF/EPDM
3F533GG14PVFP	G1/4"	G1/4"	PVDF/FPM
3F533GG18PPEP	G1/8"	G1/8"	PP/EPDM
3F533GG38PNEP	G3/8"	G3/8"	PP-NATUR/EPDM
3F533GG38PNFP	G3/8"	G3/8"	PP-NATUR/FPM

Flange (Series 3F) in accordance with DIN, with female G-thread

3



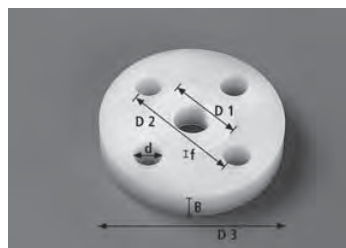
Article-Nr	Nominal Diameter	Connection	Material
3F900FG10025PV	DN25	G1"	PVDF
3F900FG10042PP	DN50	G1"	PP
3F900FG10042PT	DN50	G1"	PTFE
3F900FG10042PV	DN50	G1"	PVDF
3F900FG11248PP	DN100	G1 1/2"	PP
3F900FG11248PT	DN100	G1 1/2"	PTFE
3F900FG1210PV	DN10	G1/2"	PVDF
3F900FG1215PK	DN15	G1/2"	PEEK
3F900FG1215PP	DN15	G1/2"	PP
3F900FG1215PT	DN15	G1/2"	PTFE
3F900FG1215PV	DN15	G1/2"	PVDF
3F900FG1220PP	DN20	G1/2"	PP
3F900FG1220PV	DN20	G1/2"	PVDF
3F900FG1225PK	DN25	G1/2"	PEEK
3F900FG1225PP	DN25	G1/2"	PP
3F900FG1225PT	DN25	G1/2"	PTFE
3F900FG1225PV	DN25	G1/2"	PVDF
3F900FG1240PP	DN40	G1/2"	PP
3F900FG1240PT	DN40	G1/2"	PTFE
3F900FG1240PV	DN40	G1/2"	PVDF
3F900FG1242PP	DN50	G1/2"	PP
3F900FG1242PT	DN50	G1/2"	PTFE
3F900FG1242PV	DN50	G1/2"	PVDF
3F900FG1244PV	DN65	G1/2"	PVDF
3F900FG1246PT	DN80	G1/2"	PTFE
3F900FG1246PV	DN80	G1/2"	PVDF
3F900FG1415PP	DN15	G1/4"	PP
3F900FG1415PV	DN15	G1/4"	PVDF
3F900FG1425PP	DN25	G1/4"	PP
3F900FG1425PT	DN25	G1/4"	PTFE
3F900FG1425PV	DN25	G1/4"	PVDF
3F900FG1842PV	DN50	G1/8"	PVDF
3F900FG3415PK	DN15	G3/4"	PEEK
3F900FG3415PP	DN15	G3/4"	PP
3F900FG3415PV	DN15	G3/4"	PVDF
3F900FG3425PT	DN25	G3/4"	PTFE
3F900FG3425PV	DN25	G3/4"	PVDF
3F900FG3442PV	DN50	G3/4"	PVDF
3F900FG3450PT	DN125	G3/4"	PTFE
3F900FG3810PV	DN10	G3/8"	PVDF
3F900FG3815PP	DN15	G3/8"	PP
3F900FG3820PT	DN20	G3/8"	PTFE
3F900FG3825PT	DN25	G3/8"	PTFE
3F900FG3825PV	DN25	G3/8"	PVDF

Dimensions 3F900FG...

DN	A(G)	D1	D2	D3	B	d	f
10	1/2"	40	60	90	20	14	2
15	1/2"	45	65	95	20	14	2
20	1/2"	58	75	105	20	14	2
25	1/2"	68	85	115	20	14	2
32	1/2"	78	100	140	25	18	2
40	1/2"	88	110	150	25	18	3
50	1/2"	102	125	165	25	18	3
65	1/2"	122	145	185	25	18	3
80	1/2"	138	160	200	25	18	3
100	1/2"	158	180	220	30	18	4
125	1/2"	188	210	250	40	18	4

Flange (Series 3F) in accordance with DIN, with female NPT-thread

3

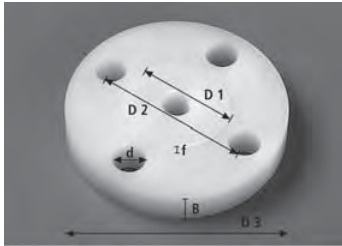


Article-Nr	Nominal Diameter	Connection	Material
3F900FN10025PT	DN25	NPT1"	PTFE
3F900FN10025PV	DN25	NPT1"	PVDF
3F900FN11425PT	DN25	NPT1 1/4"	PTFE
3F900FN1210PV	DN10	NPT1/2"	PVDF
3F900FN1215PT	DN15	NPT1/2"	PTFE
3F900FN1215PV	DN15	NPT1/2"	PVDF
3F900FN1220PP	DN20	NPT1/2"	PP
3F900FN1220PT	DN20	NPT1/2"	PTFE
3F900FN1225PP	DN25	NPT1/2"	PP
3F900FN1225PT	DN25	NPT1/2"	PTFE
3F900FN1225PV	DN25	NPT1/2"	PVDF
3F900FN1242PP	DN50	NPT1/2"	PP
3F900FN1242PT	DN50	NPT1/2"	PTFE
3F900FN1242PV	DN50	NPT1/2"	PVDF
3F900FN1415PT	DN15	NPT1/4"	PTFE
3F900FN1425PV	DN25	NPT1/4"	PVDF
3F900FN1442PT	DN50	NPT1/4"	PTFE
3F900FN1444PT	DN65	NPT1/4"	PTFE
3F900FN3425PP	DN25	NPT3/4"	PP
3F900FN3832PP	DN32	NPT3/8"	PP
3F900FN3832PV	DN32	NPT3/8"	PVDF
3F900FN3844PT	DN65	NPT3/8"	PTFE

Dimensions 3F900FN . . .

DN	A(NPT)	D1	D2	D3	B	d	f
10	1/2"	40	60	90	20	14	2
15	1/2"	45	65	95	20	14	2
20	1/2"	58	75	105	20	14	2
25	1/2"	68	85	115	20	14	2
32	1/2"	78	100	140	25	18	2
40	1/2"	88	110	150	25	18	3
50	1/2"	102	125	165	25	18	3
65	1/2"	122	145	185	25	18	3
80	1/2"	138	160	200	25	18	3
100	1/2"	158	180	220	30	18	4
125	1/2"	188	210	250	40	18	4

Flange (Series 3F) in accordance with ANSI, with female G-thread



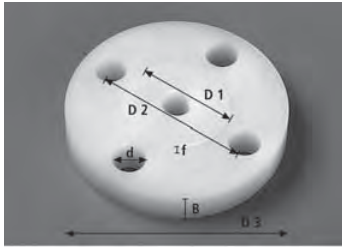
Article-Nr	Nominal Diameter	Connection	Material
3F920FG10020PP	DN1"	G1"	PP
3F920FG10040PV	DN2"	G1"	PVDF
3F920FG1210PP	DN1/2"	G1/2"	PP
3F920FG1210PV	DN1/2"	G1/2"	PVDF
3F920FG1220PP	DN1"	G1/2"	PP
3F920FG1220PT	DN1"	G1/2"	PTFE
3F920FG1220PV	DN1"	G1/2"	PVDF
3F920FG1240PP	DN2"	G1/2"	PP
3F920FG1420PT	DN1"	G1/4"	PTFE
3F920FG3820PV	DN1"	G3/8"	PVDF

Dimensions 3F920FG . . .

DN	A(G)	D1	D2	D3	B	d	f
1/2"	1/2"	35	60.3	89	20	15.9	1.6
3/4"	1/2"	43	69.8	98	20	15.9	1.6
1"	1/2"	51	79.4	108	20	15.9	1.6
1 1/4"	1/2"	64	88.9	117	20	15.9	1.6
1 1/2"	1/2"	73	98.4	127	25	15.9	1.6
2"	1/2"	92	120.6	152	25	19	1.6

Flange (Series 3F) in accordance with ANSI, with female NPT-thread

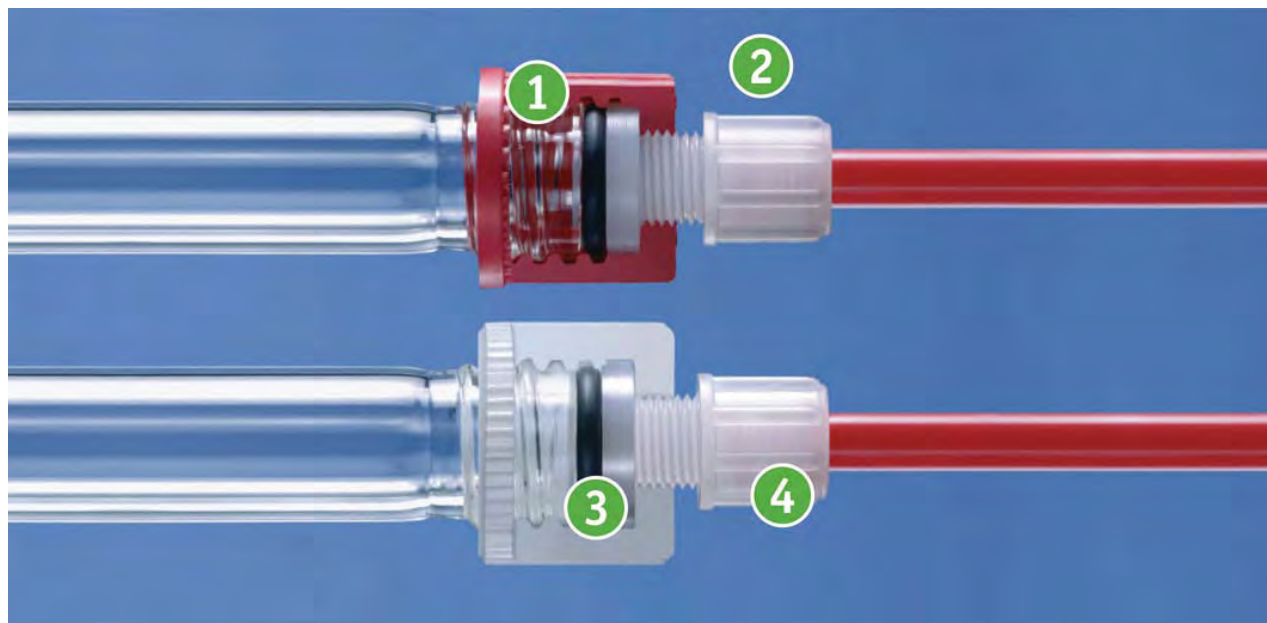
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Article-Nr	Nominal Diameter	Connection	Material
3F920FN1210PT	DN1/2"	NPT1/2"	PTFE
3F920FN1220PP	DN1"	NPT1/2"	PP
3F920FN1220PT	DN1"	NPT1/2"	PTFE
3F920FN1220PV	DN1"	NPT1/2"	PVDF
3F920FN1232PT	DN1 1/2"	NPT1/2"	PTFE
3F920FN1410PT	DN1/2"	NPT1/4"	PTFE
3F920FN1420PT	DN1"	NPT1/4"	PTFE
3F920FN3820PP	DN1"	NPT3/8"	PP
3F920FN3820PV	DN1"	NPT3/8"	PVDF

Dimensions 3F920FN . . .

DN	A(NPT)	D1	D2	D3	B	d	f
1/2"	1/2"	35	60.3	89	20	15.9	1.6
3/4"	1/2"	43	69.8	98	20	15.9	1.6
1"	1/2"	51	79.4	108	20	15.9	1.6
1 1/4"	1/2"	64	88.9	117	20	15.9	1.6
1 1/2"	1/2"	73	98.4	127	25	15.9	1.6
2"	1/2"	92	120.6	152	25	19	1.6



- 1) Connection with standard GL thread ⇒ Compatible with all standard threaded glass tubes
- 2) Connector available in PP, PVDF, PFA ⇒ High media resistance
- 3) Sealed by media resistant O-ring made from FPM ⇒ Durably tight, secure connection
- 4) Various connection options

The connection principle used in Series 3G from EM-TECHNIK enables these laboratory connectors to be used as a connection element between a laboratory type glass cylinder with GL thread and a flexible tube. The connectors feature a rotating nut with GL thread on the one hand and a G male thread or connecting elements of Series 1 and 2 on the other hand. Various connection elements, flexible tubes and pipes can thus be fitted.

GL connector (Series 3G) with connection for tube (Series 1A) and fixed GL-thread

3



Article-Nr	Connection A	Connection B	Material
3G110FF1525PVFK	DN3/8"/1/2"	GL25	PVDF/FFKM
3G110FF4014PFFK	DN04/06	GL14	PFA/FFKM
3G110FF4014PFFP	DN04/06	GL14	PFA/FPM
3G110FF4014PPFP	DN04/06	GL14	PP/FPM
3G110FF4014PVFP	DN04/06	GL14	PVDF/FPM
3G110FF4018PFFK	DN04/06	GL18	PFA/FFKM
3G110FF4018PFFP	DN04/06	GL18	PFA/FPM
3G110FF4018PPFP	DN04/06	GL18	PP/FPM
3G110FF4018PVFP	DN04/06	GL18	PVDF/FPM
3G110FF4314PFFK	DN06/08	GL14	PFA/FFKM
3G110FF4314PFFP	DN06/08	GL14	PFA/FPM
3G110FF4314PPFP	DN06/08	GL14	PP/FPM
3G110FF4314PVFP	DN06/08	GL14	PVDF/FPM
3G110FF4318PFFK	DN06/08	GL18	PFA/FFKM
3G110FF4318PFFP	DN06/08	GL18	PFA/FPM
3G110FF4318PPFP	DN06/08	GL18	PP/FPM
3G110FF4318PVFP	DN06/08	GL18	PVDF/FPM
3G110FF4414PFFP	DN06/10	GL14	PP/FPM
3G110FF4414PVFP	DN06/10	GL14	PVDF/FPM
3G110FF4418PFFP	DN06/10	GL18	PP/FPM
3G110FF4418PVFP	DN06/10	GL18	PVDF/FPM
3G110FF4514PFFK	DN08/10	GL14	PFA/FFKM
3G110FF4514PFFP	DN08/10	GL14	PFA/FPM
3G110FF4514PPFP	DN08/10	GL14	PP/FPM
3G110FF4514PVFP	DN08/10	GL14	PVDF/FPM
3G110FF4518PFFP	DN08/10	GL18	PFA/FPM
3G110FF4518PPFP	DN08/10	GL18	PP/FPM
3G110FF4518PVFP	DN08/10	GL18	PVDF/FPM
3G110FF4614PFFP	DN08/12	GL14	PP/FPM
3G110FF4614PVFP	DN08/12	GL14	PVDF/FPM
3G110FF4618PFFP	DN08/12	GL18	PFA/FPM
3G110FF4618PPFP	DN08/12	GL18	PP/FPM
3G110FF4618PVFP	DN08/12	GL18	PVDF/FPM
3G110FF4814PFFP	DN10/12	GL14	PFA/FPM
3G110FF4814PPFP	DN10/12	GL14	PP/FPM
3G110FF4814PVFP	DN10/12	GL14	PVDF/FPM
3G110FF4818PFFP	DN10/12	GL18	PFA/FPM
3G110FF4818PPFP	DN10/12	GL18	PP/FPM
3G110FF4818PVFP	DN10/12	GL18	PVDF/FPM
3G110FF4825PFFP	DN10/12	GL25	PFA/FPM
3G110FF4825PVFP	DN10/12	GL25	PVDF/FPM
3G110FF4914PFFP	DN10/14	GL14	PP/FPM
3G110FF4914PVFP	DN10/14	GL14	PVDF/FPM
3G110FF4918PFFP	DN10/14	GL18	PP/FPM
3G110FF4918PVFP	DN10/14	GL18	PVDF/FPM
3G110FF5118PFFP	DN12/14	GL18	PP/FPM
3G110FF5118PVFP	DN12/14	GL18	PVDF/FPM
3G110FF5418PFFP	DN14/18	GL18	PP/FPM
3G110FF5418PVFP	DN14/18	GL18	PVDF/FPM

Dimensions 3G110FF...

A(DN)	B(GL)	~L2	~L2	SW1
4/6	14	17	37	17
4/6	18	17	40	22
6/8	14	21	41	17
6/8	18	21	44	22
6/10	14	24	44	19
6/10	18	24	47	22
8/10	14	24	44	19
8/10	18	24	47	22
8/12	14	28	48	22

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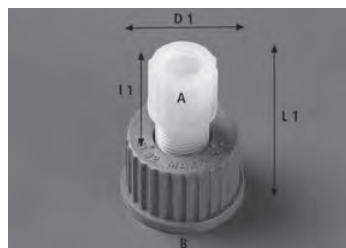
GL connector (Series 3G) with connection for
tube (Series 1A) and fixed GL-thread

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A(DN)	B(GL)	-I2	-L2	SW1
8/12	18	28	51	22
10/12	14	28	48	22
10/12	18	28	51	22
10/14	14	33	53	24
10/14	18	33	56	24
12/14	14	33	53	24
12/14	18	33	56	24
12/16	14	35	55	27
12/16	18	35	58	27
14/16	14	35	55	27
14/16	18	35	58	27
14/18	14	38	58	27
14/18	18	38	61	27

GL connector (Series 3G) with connection for tube (Series 1A) and loose GL nut

3



Article-Nr	Connection A	Connection B	Material
3G110FL0314PFFP	DN1/8"/1/4"	GL14	PFA/FPM
3G110FL0314PVFP	DN1/8"/1/4"	GL14	PVDF/FPM
3G110FL0514PFFP	DN1/6"/1/4"	GL14	PFA/FPM
3G110FL0514PVFK	DN1/6"/1/4"	GL14	PVDF/FFKM
3G110FL0525PVFP	DN1/6"/1/4"	GL25	PVDF/FPM
3G110FL1525PFFP	DN3/8"/1/2"	GL25	PFA/FPM
3G110FL1525PVFP	DN3/8"/1/2"	GL25	PVDF/FPM
3G110FL4014PFFK	DN04/06	GL14	PFA/FFKM
3G110FL4014PFFP	DN04/06	GL14	PFA/FPM
3G110FL4014PPEP	DN04/06	GL14	PP/EPDM
3G110FL4014PPFP	DN04/06	GL14	PP/FPM
3G110FL4014PVEP	DN04/06	GL14	PVDF/EPDM
3G110FL4014PVFK	DN04/06	GL14	PVDF/FFKM
3G110FL4014PVFP	DN04/06	GL14	PVDF/FPM
3G110FL4018PFFK	DN04/06	GL18	PFA/FFKM
3G110FL4018PFFP	DN04/06	GL18	PFA/FPM
3G110FL4018PPFP	DN04/06	GL18	PP/FPM
3G110FL4018PVFP	DN04/06	GL18	PVDF/FPM
3G110FL4025PFFK	DN04/06	GL25	PFA/FFKM
3G110FL4025PFFP	DN04/06	GL25	PFA/FPM
3G110FL4025PPFP	DN04/06	GL25	PP/FPM
3G110FL4025PVFP	DN04/06	GL25	PVDF/FPM
3G110FL4032PFFP	DN04/06	GL32	PFA/FPM
3G110FL4032PPFP	DN04/06	GL32	PP/FPM
3G110FL4032PVFP	DN04/06	GL32	PVDF/FPM
3G110FL4318PFFK	DN06/08	GL18	PFA/FFKM
3G110FL4318PFFP	DN06/08	GL18	PFA/FPM
3G110FL4318PFFK	DN06/08	GL18	PP/FFKM
3G110FL4318PPFP	DN06/08	GL18	PP/FPM
3G110FL4318PVFK	DN06/08	GL18	PVDF/FFKM
3G110FL4318PVFP	DN06/08	GL18	PVDF/FPM
3G110FL4325PFFP	DN06/08	GL25	PFA/FPM
3G110FL4325PPFP	DN06/08	GL25	PP/FPM
3G110FL4325PVFP	DN06/08	GL25	PVDF/FPM
3G110FL4332PPFP	DN06/08	GL32	PP/FPM
3G110FL4332PVFP	DN06/08	GL32	PVDF/FPM
3G110FL4425PFFP	DN06/10	GL25	PFA/FPM
3G110FL4425PPFP	DN06/10	GL25	PP/FPM
3G110FL4425PVFP	DN06/10	GL25	PVDF/FPM
3G110FL4432PPFP	DN06/10	GL32	PP/FPM
3G110FL4432PVFP	DN06/10	GL32	PVDF/FPM
3G110FL4525PFFK	DN08/10	GL25	PFA/FFKM
3G110FL4525PFFP	DN08/10	GL25	PFA/FPM
3G110FL4525PPFP	DN08/10	GL25	PP/FPM
3G110FL4525PVFP	DN08/10	GL25	PVDF/FPM
3G110FL4532PPFP	DN08/10	GL32	PP/FPM
3G110FL4532PVFP	DN08/10	GL32	PVDF/FPM
3G110FL4625PFFP	DN08/12	GL25	PFA/FPM
3G110FL4625PPFP	DN08/12	GL25	PP/FPM
3G110FL4625PVEP	DN08/12	GL25	PVDF/EPDM
3G110FL4625PVFP	DN08/12	GL25	PVDF/FPM
3G110FL4632PFFP	DN08/12	GL32	PFA/FPM
3G110FL4632PPFP	DN08/12	GL32	PP/FPM
3G110FL4632PVEP	DN08/12	GL32	PVDF/EPDM
3G110FL4632PVFP	DN08/12	GL32	PVDF/FPM
3G110FL4725PPFP	DN09/12	GL25	PP/FPM
3G110FL4732PPFP	DN09/12	GL32	PP/FPM
3G110FL4825PFFK	DN10/12	GL25	PFA/FFKM
3G110FL4825PFFP	DN10/12	GL25	PFA/FPM
3G110FL4825PPEP	DN10/12	GL25	PP/EPDM
3G110FL4825PPFP	DN10/12	GL25	PP/FPM
3G110FL4825PVEP	DN10/12	GL25	PVDF/EPDM

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GL connector (Series 3G) with connection for tube (Series 1A) and loose GL nut

3

Article-Nr	Connection A	Connection B	Material
3G110FL4825PVFK	DN10/12	GL25	PVDF/FFKM
3G110FL4825PVFP	DN10/12	GL25	PVDF/FPM
3G110FL4832PPFP	DN10/12	GL32	PP/FPM
3G110FL4832PVFP	DN10/12	GL32	PVDF/FPM
3G110FL4845PVFP6	DN10/12	GL45	PVDF/FPM
3G110FL4932PPFP	DN10/14	GL32	PP/FPM
3G110FL4932PVFP	DN10/14	GL32	PVDF/FPM
3G110FL4945PVFP6	DN10/14	GL45	PVDF/FPM
3G110FL5145PVFP6	DN12/14	GL45	PVDF/FPM
3G110FL5232PFFP	DN12/16	GL32	PFA/FPM
3G110FL5232PPFP	DN12/16	GL32	PP/FPM
3G110FL5345PVFP6	DN14/16	GL45	PVDF/FPM

Dimensions 3G110FL...

A(DN)	B(GL)	~I1	~L1	ØD1
4/6	14	19	36	20
4/6	18	18	38	24
4/6	25	16	39	33
4/6	32	26	52	42
6/8	25	21	44	33
6/8	32	28	54	42
6/10	25	33	56	33
6/10	32	33	59	42
8/10	25	33	56	33
8/10	32	33	59	42
8/12	25	37	60	33
8/12	32	37	63	42
10/12	25	37	60	33
10/12	32	37	63	42
10/14	32	42	68	42
12/14	32	42	68	42
12/16	32	44	68	42
14/16	32	44	68	42

GL connector (Series 3G) with connection for pipe (Series 2M) and loose GL-nut

3



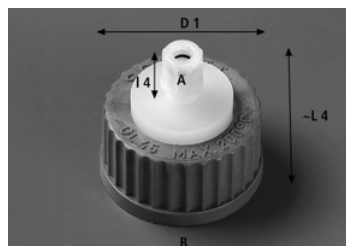
Article-Nr	Connection A	Connection B	Material
3G120FL0514PFFP	D1/4"	GL14	PFA/FPM
3G120FL0518PVFP	D1/4"	GL18	PVDF/FPM
3G120FL2014PTFP	D2,0	GL14	PTFE/FPM
3G120FL2014PVFP	D2,0	GL14	PVDF/FPM
3G120FL2018PVFP	D2,0	GL18	PVDF/FPM
3G120FL3014PFFP	D3,0	GL14	PFA/FPM
3G120FL3014PFFP	D3,0	GL14	PP/FPM
3G120FL3014PVFK	D3,0	GL14	PVDF/FFKM
3G120FL3014PVFP	D3,0	GL14	PVDF/FPM
3G120FL3018PVFP	D3,0	GL18	PVDF/FPM
3G120FL3214PFFK	D3,2	GL14	PFA/FFKM
3G120FL3214PFFP	D3,2	GL14	PFA/FPM
3G120FL3214PVFP	D3,2	GL14	PVDF/FPM
3G120FL3218PTFP	D3,2	GL18	PTFE/FPM
3G120FL3218PVFP	D3,2	GL18	PVDF/FPM
3G120FL4014PVFP	D4,0	GL14	PVDF/FPM
3G120FL4018PFFP	D4,0	GL18	PFA/FPM
3G120FL4018PTFP	D4,0	GL18	PTFE/FPM
3G120FL4018PVFP	D4,0	GL18	PVDF/FPM
3G120FL4318PTFP	D08	GL18	PTFE/FPM
3G120FL4318PVFP	D08	GL18	PVDF/FPM
3G120FL4325PTFK	D08	GL25	PTFE/FFKM
3G120FL4525PTFK	D10	GL25	PTFE/FFKM
3G120FL5545PTFK	D18	GL45	PTFE/FFKM
3G120FL6014PTFP	D6,0	GL14	PTFE/FPM
3G120FL6014PVFP	D6,0	GL14	PVDF/FPM
3G120FL6018PVFP	D6,0	GL18	PVDF/FPM

Dimensions 3G120FL...

A(D)	B(GL)	~I4	~L4	ØD1
0,7-1	14	23.5	40.5	20
0,7-1	18	23	43	24
1,1-2	14	23.5	40.5	20
1,1-2	18	23	43	24
2,1-4	14	23.5	40.5	20
2,1-4	18	23	43	24
4,1-6,4	14	23.5	40.5	20
4,1-6,4	18	23	43	24

GL connector (Series 3G) with connection for pipe (Series 2T) and loose GL nut

3



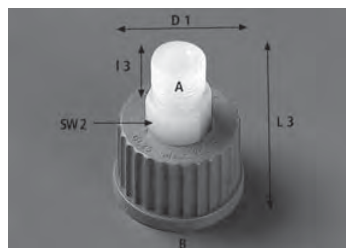
Article-Nr	Connection A	Connection B	Material
3G123FL1514PVFP	D1,5	GL14	PVDF/FPM
3G123FL1614PVFP	D1,6	GL14	PVDF/FPM
3G123FL1632PVFP	D1,6	GL32	PVDF/FPM
3G123FL2014PVFP	D2,0	GL14	PVDF/FPM
3G123FL2218PVFP	D2,2	GL18	PVDF/FPM
3G123FL3014PFFP	D3,0	GL14	PFA/FPM
3G123FL3014PTFP	D3,0	GL14	PTFE/FPM
3G123FL3014PVFP	D3,0	GL14	PVDF/FPM
3G123FL3018PTFP	D3,0	GL18	PTFE/FPM
3G123FL3018PVFP	D3,0	GL18	PVDF/FPM
3G123FL3214PFFP	D3,2	GL14	PFA/FPM
3G123FL3214PVFP	D3,2	GL14	PVDF/FPM
3G123FL4014PFFP	D4,0	GL14	PFA/FPM
3G123FL4014PVFP	D4,0	GL14	PVDF/FPM
3G123FL4018PVFP	D4,0	GL18	PVDF/FPM
3G123FL4714PFFP	D4,7	GL14	PFA/FPM
3G123FL6014PFFP	D6,0	GL14	PFA/FPM
3G123FL6014PTFP	D6,0	GL14	PTFE/FPM
3G123FL6014PVFP	D6,0	GL14	PVDF/FPM
3G123FL6018PFFP	D6,0	GL18	PFA/FPM
3G123FL6018PVFP	D6,0	GL18	PVDF/FPM
3G123FL6418PVFP	D6,4	GL18	PVDF/FPM

Dimensions 3G123FL...

A(D)	B(GL)	~l4	~L4	ØD1
0,7-1	14	23.5	40.5	20
0,7-1	18	23	43	24
1,1-2	14	23.5	40.5	20
1,1-2	18	23	43	24
2,1-4	14	23.5	40.5	20
2,1-4	18	23	43	24
4,1-6,4	14	23.5	40.5	20
4,1-6,4	18	23	43	24

GL connector (Series 3G) with male G-thread and loose GL nut

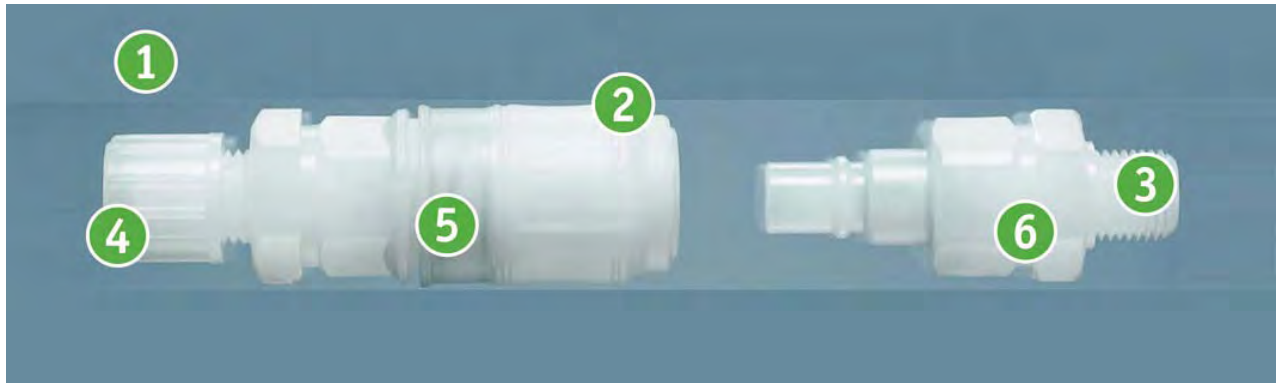
3



Article-Nr	Connection A	Connection B	Material
3G131FL1232PPFP	GL32	G1/2"	PFA/FPM
3G131FL1245PPFP	GL45	G1/2"	PP/FPM
3G131FL1245PTFP	GL45	G1/2"	PTFE/FPM
3G131FL1245PVFP	GL45	G1/2"	PVDF/FPM
3G131FL1425PPFP	GL25	G1/4"	PP/FPM
3G131FL1425PTFK	GL25	G1/4"	PTFE/FFKM
3G131FL1425PTFP	GL25	G1/4"	PTFE/FPM
3G131FL1425PVFP	GL25	G1/4"	PVDF/FPM
3G131FL1445PPFP	GL45	G1/4"	PP/FPM
3G131FL1445PVFP	GL45	G1/4"	PVDF/FPM
3G131FL1814PTFP	GL14	G1/8"	PTFE/FPM
3G131FL1814PVFP	GL14	G1/8"	PVDF/FPM
3G131FL1818PPFP	GL18	G1/8"	PP/FPM
3G131FL1818PTFP	GL18	G1/8"	PTFE/FPM
3G131FL1818PVFP	GL18	G1/8"	PVDF/FPM
3G131FL1825PPFP	GL25	G1/8"	PP/FPM
3G131FL1825PTFP	GL25	G1/8"	PTFE/FPM
3G131FL1825PVFP	GL25	G1/8"	PVDF/FPM
3G131FL1832PPFP	GL32	G1/8"	PP/FPM
3G131FL1832PTFP	GL32	G1/8"	PTFE/FPM
3G131FL1832PVFP	GL32	G1/8"	PVDF/FPM
3G131FL3832PPFP	GL32	G3/8"	PP/FPM
3G131FL3832PTFP	GL32	G3/8"	PTFE/FPM
3G131FL3845PVFP	GL45	G3/8"	PVDF/FPM

Dimensions 3G131FL...

A(G)	B(GL)	I3	~L3	ØD1	SW2
1/8"	18	8	31	24	11
1/8"	25	8	35	33	14
1/8"	32	8	39	42	18
1/4"	25	12	39	33	16
1/4"	32	12	43	42	18
1/4"	45	12	45	55	28
3/8"	32	12	43	42	21
3/8"	45	12	45	55	28
1/2"	45	14	47	55	28

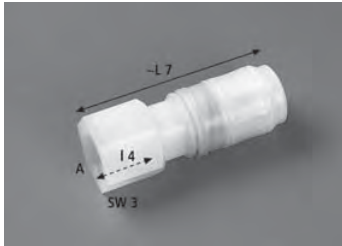


- 1) Compact version also available ⇒ Can also be used in tight spaces
- 2) Coupling can be shut-off ⇒ Safe coupling without complications
- 3) Thread manufactured without seam according to DIN, USAS or JIS ⇒ Various connection options
- 4) Nominal diameters up to DN 10/12 ⇒ High KV value, good flow rate
- 5) Spring made of PEEK or stainless steel, Housing made of PVDF ⇒ High media resistance
- 6) Nipple can be shut-off ⇒ Safe coupling without problems

The connection principle used in the Series 3K from EM-TECHNIK is designed to enable supply lines to be connected and disconnected quickly and frequently. There is usually a risk of aggressive gases or liquids escaping during coupling operations. The quick connectors of our Series 3K are safe because a shut-off element seals the line before the coupling is disconnected. To connect or disconnect the coupling, simply actuate the sliding sleeve. Reliable operation is guaranteed by our choice of material: the coupling is made of PVDF and the spring of PEEK or stainless steel.

**Shut-off coupling with valve and female
G-thread, spring made of SS316Si**

3



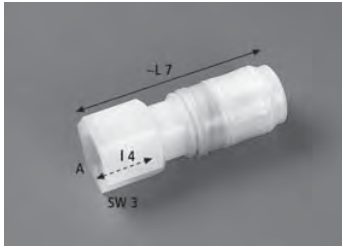
Article-Nr	Connection A	Material
3K100FG0614PVFP	G1/4"	PVDF/FPM
3K100FG1012PVFP	G1/2"	PVDF/FPM

Dimensions 3K100FG... , 3K300FG... , 3K500FG...

A(G)	14	~L7	SW3
1/4"	15	70	22
1/2"	16	74	27

**Shut-off coupling with valve and female
NPT-thread, spring made of SS316Si**

3



Article-Nr	Connection A	Material
3K100FN0614PVFP	NPT1/4"	PVDF/FPM
3K100FN1012PVFP	NPT1/2"	PVDF/FPM

Dimensions 3K100FN. . . , 3K300FN. . . , 3K500FN. . .

A(NPT)	l5	~L7	SW3
1/4"	16,4	74	22
1/2"	22,6	81	27

Shut-off coupling with valve and male G-thread,
spring made of SS316Ti

3



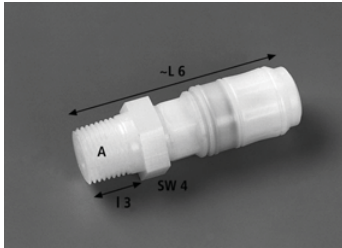
Article-Nr	Connection A	Material
3K100MG0614PVFK	G1/4"	PVDF/FFKM
3K100MG0614PVFP	G1/4"	PVDF/FPM
3K100MG1012PVFP	G1/2"	PVDF/FPM

Dimensions 3K100MG... , 3K300MG... , 3K500MG...

A(G)	l2	~L6	SW4
1/4"	12	72	22
1/2"	14	77	27

**Shut-off coupling with valve and male
NPT-thread, spring made of SS316TI**

3



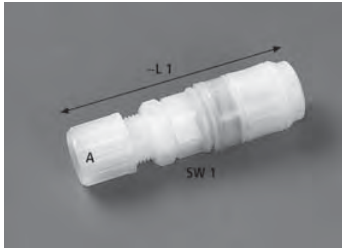
Article-Nr	Connection A	Material
3K100MN0614PVFK	NPT1/4"	PVDF/FFKM
3K100MN0614PVFP	NPT1/4"	PVDF/FPM
3K100MN1012PVFP	NPT1/2"	PVDF/FPM

Dimensions 3K100MN... , 3K300MN... , 3K500MN...

A(NPT)	I3	~L6	SW4
1/4"	15	73	22
1/2"	20	80	27

Shut-off coupling with valve and connection for flexible tube (Series 1A), spring made of SS316TI

3



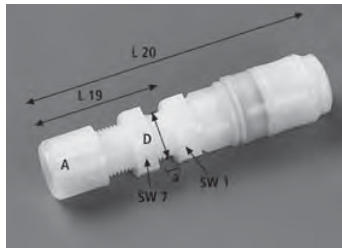
Article-Nr	Connection A	Material
3K100T05PVFK	DN1/6"/1/4"	PVDF/FFKM
3K100T40PVFK	DN04/06	PVDF/FFKM
3K100T40PVFP	DN04/06	PVDF/FPM
3K100T43PVFK	DN06/08	PVDF/FFKM
3K100T43PVFP	DN06/08	PVDF/FPM
3K100T44PVFP	DN06/10	PVDF/FPM
3K100T45PVFP	DN08/10	PVDF/FPM
3K100T46PVFP	DN08/12	PVDF/FPM
3K100T47PVFP	DN09/12	PVDF/FPM
3K100T48PVFP	DN10/12	PVDF/FPM

Dimensions 3K100T . . . , 3K300T . . . , 3K500T . . .

A(DN)	~L1	SW1
4/6	76	22
5/8	80	22
6/8	80	22
6/10	83	22
8/10	83	22
8/12	87	22
9/12	87	22
10/12	87	22

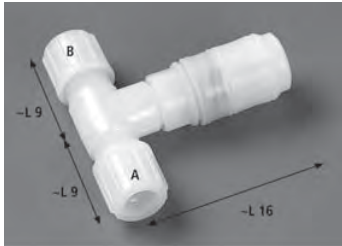
Bulkhead shut-off coupling with valve and connection for flexible tube (Series 1A), spring made of SS316TI

3



Article-Nr	Connection A	Material
3K101T40PVFP	DN04/06	PVDF/FPM
3K101T43PVFK	DN06/08	PVDF/FFKM
3K101T43PVFP	DN06/08	PVDF/FPM
3K101T45PVFP	DN08/10	PVDF/FPM
3K101T46PVFP	DN08/12	PVDF/FPM

Shut-off coupling with valve and T-connection for flexible tube (Series 1A), spring made of SS316TI



Article-Nr	Connection A	Material
3K103T40PVFP	DN04/06	PVDF/FPM

Dimensions 3K103T . . .

A(DN)	B(DN)	~L9	~L16
4/6	4/6	29	66
5/8	5/8	33	66
6/8	6/8	33	66
6/10	6/10	36	69
8/10	8/10	36	69
8/12	8/12	40	71
9/12	9/12	40	71
10/12	10/12	40	71

**Shut-off nipple with valve and female G-thread,
spring made of SS316Ti**

3



Article-Nr	Connection A	Material
3K200FG0614PVFP	G1/4"	PVDF/FPM
3K200FG1012PVFP	G1/2"	PVDF/FPM

Dimensions 3K200FG... , 3K400FG... , 3K600FG...

A(G)	l4	~L8	SW3
1/4"	15	31	22
1/2"	16	35	27

**Shut-off nipple with valve and female NPT-thread,
spring made of SS316Ti**

3



Article-Nr	Connection A	Material
3K200FN0614PVFP	NPT1/4"	PVDF/FPM
3K200FN1012PVFP	NPT1/2"	PVDF/FPM

Dimensions 3K200FN. . . , 3K400FN. . . , 3K600FN. . .

A(NPT)	l5	~L8	SW3
1/4"	16,4	35	22
1/2"	22,6	42	27

**Shut-off nipple with valve and male G-thread,
spring made of SS316Ti**

3



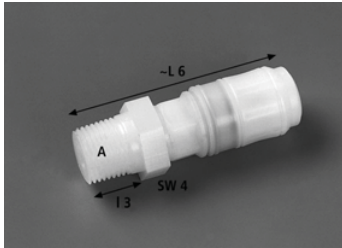
Article-Nr	Connection A	Material
3K200MG0614PVFP	G1/4"	PVDF/FPM
3K200MG1012PVFP	G1/2"	PVDF/FPM

Dimensions 3K200MG. . . , 3K400MG. . . , 3K600MG. . .

A(G)	l2	~L5	SW4
1/4"	12	33	22
1/2"	14	38	27

Shut-off nipple with valve and male NPT-thread,
spring made of SS316Ti

3



Article-Nr	Connection A	Material
3K200MN0614PVFK	NPT1/4"	PVDF/FFKM
3K200MN0614PVFP	NPT1/4"	PVDF/FPM
3K200MN1012PVFP	NPT1/2"	PVDF/FPM

Dimensions 3K200MN... , 3K400MN... , 3K600MN...

A(NPT)	I3	~L5	SW4
1/4"	15	34	22
1/2"	20	43	27

Shut-off nipple with valve and connection for flexible tube (Series 1A), spring made of SS316Ti



Article-Nr	Connection A	Material
3K200T05PVFK	DN1/6"/1/4"	PVDF/FFKM
3K200T40PVFK	DN04/06	PVDF/FFKM
3K200T40PVFP	DN04/06	PVDF/FPM
3K200T43PVFK	DN06/08	PVDF/FFKM
3K200T43PVFP	DN06/08	PVDF/FPM
3K200T44PVFP	DN06/10	PVDF/FPM
3K200T45PVFP	DN08/10	PVDF/FPM
3K200T46PVFP	DN08/12	PVDF/FPM
3K200T47PVFP	DN09/12	PVDF/FPM
3K200T48PVFP	DN10/12	PVDF/FPM

Dimensions 3K200T . . . , 3K400T . . . , 3K600T . . .

A(DN)	~L2	SW1
4/6	37	22
5/8	41	22
6/8	41	22
6/10	44	22
8/10	44	22
8/12	48	22
9/12	48	22
10/12	48	22

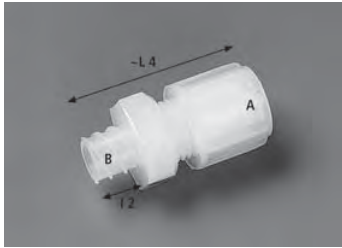


- 1) Connector available in PP, natural PP, PVDF ⇒ High media resistance
- 2) Thread seamless according to DIN 13090 ⇒ Various connection options

The connection principle used in Series 3L from EM-TECHNIK entails using a flexible tube connection of Series 1A on the one hand and a Luer-Lock thread according to DIN 13090 on the other hand. A flexible tube can thus be connected, e.g., to the most commonly used disposable laboratory filters.

Luer-Lock connector (Series 3L), female, with connection for tube (Series 1A)

3



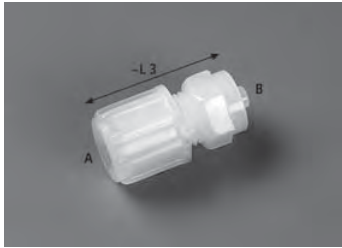
Article-Nr	Connection A	Material
3L110FT40PN	DN04/06	PP-NATUR
3L110FT40PP	DN04/06	PP
3L110FT40PV	DN04/06	PVDF

Dimensions 3L110FT. . .

A(DN)	B(Luer-Lock)	l2	~L4
4/6	female	7	29

Luer-Lock connector (Series 3L), male, with connection for tube (Series 1A)

3



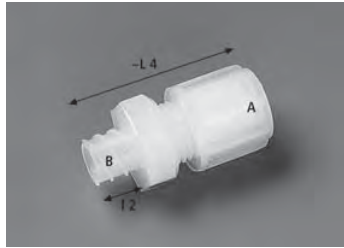
Article-Nr	Connection A	Material
3L110MT40PN	DN04/06	PP-NATUR
3L110MT40PP	DN04/06	PP
3L110MT40PV	DN04/06	PVDF
3L111MT40PP	DN04/06	PP

Dimensions 3L110MT...

A(DN)	B(Luer-Lock)	~L3
4/6	male	23,1

Luer-Lock connector (Series 3L), female, with connection for pipe (Series 2M)

3



Article-Nr	Connection A	Material
3L120FP11PV	D1,1	PVDF
3L120FP16PF	D1,6	PFA
3L120FP16PV	D1,6	PVDF
3L120FP21PV	D2,1	PVDF
3L120FP24PV	D2,4	PVDF
3L120FP25PV	D2,5	PVDF
3L120FP30PF	D3,0	PFA
3L120FP30PP	D3,0	PP
3L120FP30PV	D3,0	PVDF
3L120FP32PV	D3,2	PVDF
3L120FP33PV	D3,3	PVDF
3L120FP40PP	D4,0	PP
3L120FP40PV	D4,0	PVDF
3L120FP60PV	D6,0	PVDF
3L120FP64PV	D6,4	PVDF

Dimensions 3L120FP . . .

A(DN)	B(Luer-Lock)	l2	~L4
0,7-1	female	7	35
1,1-2	female	7	35
2,1-4	female	7	35
4,1-6,4	female	7	35

Luer-Lock connector (Series 3L), male, with connection for pipe (Series 2M)

3



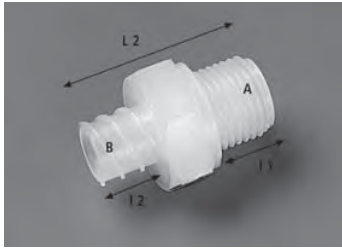
Article-Nr	Connection A	Material
3L120MP11PV	D1,1	PVDF
3L120MP16PV	D1,6	PVDF
3L120MP20PV	D2,0	PVDF
3L120MP21PV	D2,1	PVDF
3L120MP24PV	D2,4	PVDF
3L120MP25PV	D2,5	PVDF
3L120MP30PF	D3,0	PFA
3L120MP30PP	D3,0	PP
3L120MP30PV	D3,0	PVDF
3L120MP32PN	D3,2	PP-NATUR
3L120MP32PV	D3,2	PVDF
3L120MP35PV	D3,5	PVDF
3L120MP40PP	D4,0	PP
3L120MP40PV	D4,0	PVDF
3L120MP50PF	D5,0	PFA
3L120MP50PP	D5,0	PP
3L120MP60PP	D6,0	PP
3L120MP60PV	D6,0	PVDF
3L120MP64PV	D6,4	PVDF

Dimensions 3L120MP...

A(DN)	B(Luer-Lock)	-L3
0,7-1	male	33
1,1-2	male	33
2,1-4	male	33
4,1-6,4	male	33

Luer-Lock connector (Series 3L), female, with male G-thread

3



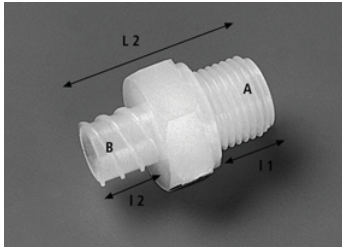
Article-Nr	Connection A	Material
3L130FG14PP	G1/4"	PP
3L130FG14PV	G1/4"	PVDF
3L130FG18PN	G1/8"	PP-NATUR
3L130FG18PP	G1/8"	PP
3L130FG18PV	G1/8"	PVDF

Dimensions 3L130FG... , 3L130FU...

A	B(Luer-Lock)	l1	l2	~L2
G1/8"	female	8	7	22
G1/4"	female	12	7	27
UNF1/4"-28	female	8	7	21,5

Luer-Lock connector (Series 3L), female, with male UNF-thread

3



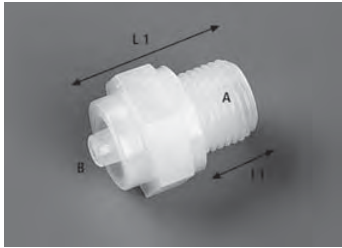
Article-Nr	Connection A	Material
3L130FU14PP	UNF1/4"-28	PP
3L130FU14PV	UNF1/4"-28	PVDF

Dimensions 3L130FG... , 3L130FU...

A	B(Luer-Lock)	l1	l2	~L2
G1/8"	female	8	7	22
G1/4"	female	12	7	27
UNF1/4"-28	female	8	7	21,5

Luer-Lock connector (Series 3L), male, with male G-thread

3

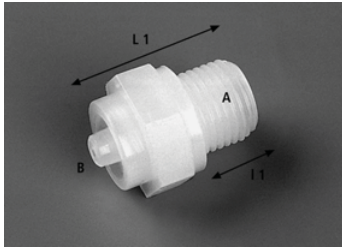


Article-Nr	Connection A	Material
3L130MG14PP	G1/4"	PP
3L130MG14PV	G1/4"	PVDF
3L130MG18PF	G1/8"	PFA
3L130MG18PN	G1/8"	PP-NATUR
3L130MG18PP	G1/8"	PP
3L130MG18PV	G1/8"	PVDF

Dimensions 3L130MG . . . , 3L130MU . . .

A	B(Luer-Lock)	l1	~L1
G1/8"	male	8	19,6
G1/4"	male	12	25,9
UNF1/4"-28	male	8	19,6

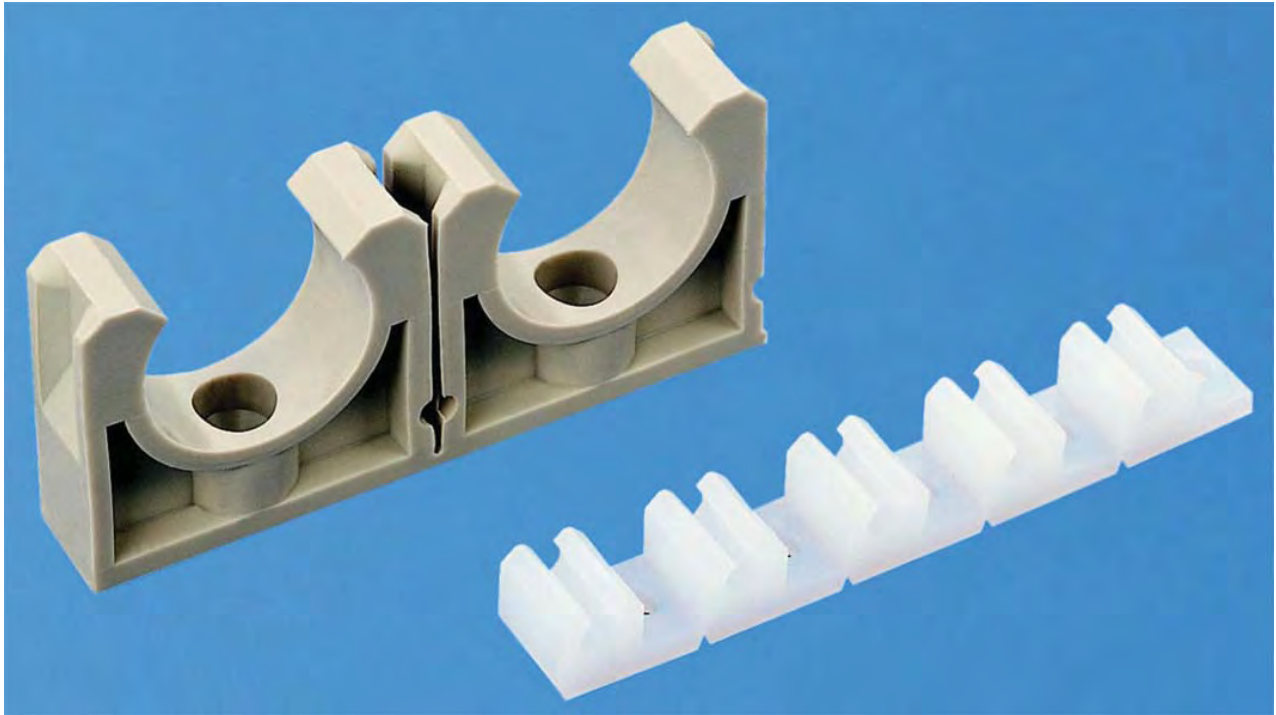
Luer-Lock connector (Series 3L), male, with male UNF-thread



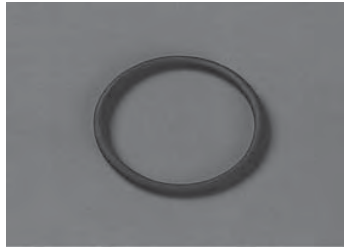
Article-Nr	Connection A	Material
3L130MU12PN	UNF1/4"-28	PP-NATUR
3L130MU12PP	UNF1/4"-28	PP
3L130MU12PPEL	UNF1/4"-28	PP-EL
3L130MU12PV	UNF1/4"-28	PVDF

Dimensions 3L130MG . . . , 3L130MU . . .

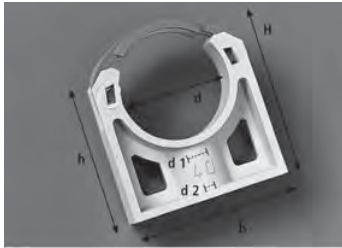
A	B(Luer-Lock)	l1	~L1
G1/8"	male	8	19,6
G1/4"	male	12	25,9
UNF1/4"-28	male	8	19,6



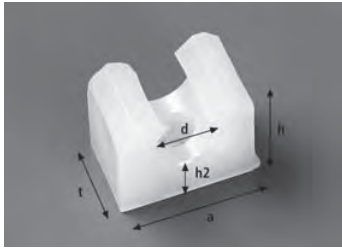
Rigid tube clips/clamps Silencers Sealing washers/O-rings Cutter



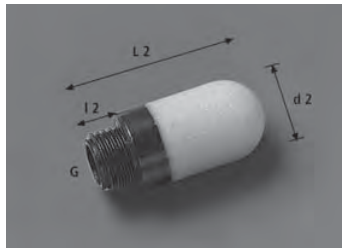
Article-Nr	Connection A	Connection B	Material
3S6295EP143	13,5X1,5	O-Ring f. M14x1,5	EPDM
3S6295EP2	9,5X1,4	O-Ring M10x1 bzw. M10x1,5	EPDM
3S6295EP21	9X1,5	O-Ring G1/8"	EPDM
3S6295EP22	12X1,5	O-Ring M12x1,5	EPDM
3S6295EP29	33X2	O-Ring f. G1"	EPDM
3S6295EP3	12,5X1,5	O-Ring G1/4"	EPDM
3S6295EP4	16X1,5	O-Ring G3/8" u. M16x1,5	EPDM
3S6295EP5	20X1,5	O-Ring G1/2"	EPDM
3S6295EP69	26X1,5	O-Ring G3/4"	EPDM
3S6295FK143	13,5X1,5	O-Ring f. M14x1,5	FFKM
3S6295FK21	9X1,5	O-Ring f. G1/8"	FFKM
3S6295FK22	12X1,5	O-Ring f. M12x1,5	FFKM
3S6295FK4	16X1,5	O-Ring f. G3/8" u. M16x1,5	FFKM
3S6295FK5	20X1,5	O-Ring f. G1/2"	FFKM
3S6295FP127	18X1,5	O-Ring f. M18x1,5	FPM
3S6295FP2	9,5X1,4	O-Ring f. M10x1	FPM
3S6295FP21	9X1,5	O-Ring f. G1/8"	FPM
3S6295FP22	12X1,5	O-Ring f. M12x1,5	FPM
3S6295FP29	33X2	O-Ring f. G1"	FPM
3S6295FP3	12,5X1,5	O-Ring f. G1/4"	FPM
3S6295FP4	16X1,5	O-Ring f. G3/8" u. M16x1,5	FPM
3S6295FP5	20X1,5	O-Ring f. G1/2"	FPM
3S6295FP69	26X1,5	O-Ring f. G3/4"	FPM



Article-Nr	Connection A	Connection B	Material
3S0034PEBL1	DN10	D16	PE-BLACK
3S0034PEBL10	DN100	D110	PE-BLACK
3S0034PEBL11	DN110	D125	PE-BLACK
3S0034PEBL12	DN125	D140	PE-BLACK
3S0034PEBL2	DN15	D20	PE-BLACK
3S0034PEBL3	DN20	D25	PE-BLACK
3S0034PEBL4	DN25	D32	PE-BLACK
3S0034PEBL5	DN32	D40	PE-BLACK
3S0034PEBL6	DN40	D50	PE-BLACK
3S0034PEBL7	DN50	D63	PE-BLACK
3S0034PEBL8	DN65	D75	PE-BLACK
3S0034PEBL9	DN80	D90	PE-BLACK
3S0034PP1	DN10	D16	PP
3S0034PP10	DN100	D110	PP
3S0034PP11	DN110	D125	PP
3S0034PP12	DN125	D140	PP
3S0034PP13	DN150	D160	PP
3S0034PP2	DN15	D20	PP
3S0034PP3	DN20	D25	PP
3S0034PP4	DN25	D32	PP
3S0034PP5	DN32	D40	PP
3S0034PP6	DN40	D50	PP
3S0034PP7	DN50	D63	PP
3S0034PP8	DN65	D75	PP
3S0034PP9	DN80	D90	PP



Article-Nr	Connection A	Material
3S0050PE1	D06	PE
3S0050PE18	D30	PE
3S0050PE2	D08	PE
3S0050PE3	D10	PE
3S0050PE4	D12	PE
3S0050PE5	D15	PE
3S0050PE6	D18	PE
3S0050PE7	D22	PE
3S0050PE8	D28	PE



Article-Nr	Connection A	Material
3S0050MG12KU	G1/2"	KU
3S0050MG14KU	G1/4"	KU
3S0050MG18KU	G1/8"	KU
3S0050MG34KU	G3/4"	KU
3S0050MG38KU	G3/8"	KU

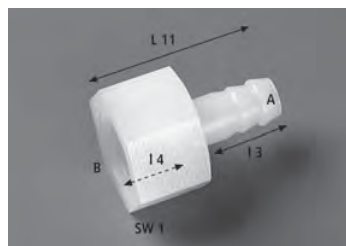


- 1) Thread manufactured without seam according to DIN, USAS or JIS ⇒ Various connection options
- 2) Barb connectors available in PP, PVDF, PTFE ⇒ High media resistance
- 3) Hexagon according to DIN ⇒ Various connection options

The flexible tube is pushed onto the barb connector by hand and is enlarged in the process. To secure the connection against shear stresses, torsional stresses or longitudinal forces, you must use, e.g. a clip to fasten the flexible tube in place.

Straight barb connector (Series 3T) with female G-thread

3



Article-Nr	Connection A	Connection B	Material
3T150FG1114PP	DN1/4"	G1/4"	PP
3T150FG4012PP	DN04	G1/2"	PP
3T150FG4014PP	DN04	G1/4"	PP
3T150FG4014PV	DN04	G1/4"	PVDF
3T150FG4018PP	DN04	G1/8"	PP
3T150FG4018PT	DN04	G1/8"	PTFE
3T150FG4018PV	DN04	G1/8"	PVDF
3T150FG4038PV	DN04	G3/8"	PVDF
3T150FG4312PP	DN06	G1/2"	PP
3T150FG4314PP	DN06	G1/4"	PP
3T150FG4314PV	DN06	G1/4"	PVDF
3T150FG4318PP	DN06	G1/8"	PP
3T150FG4318PV	DN06	G1/8"	PVDF
3T150FG4334PP	DN06	G3/4"	PP
3T150FG4338PV	DN06	G3/8"	PVDF
3T150FG4512PP	DN08	G1/2"	PP
3T150FG4512PT	DN08	G1/2"	PTFE
3T150FG4514PP	DN08	G1/4"	PP
3T150FG4514PV	DN08	G1/4"	PVDF
3T150FG4518PP	DN08	G1/8"	PP
3T150FG4518PV	DN08	G1/8"	PVDF
3T150FG4538PP	DN08	G3/8"	PP
3T150FG4538PV	DN08	G3/8"	PVDF
3T150FG4812PP	DN10	G1/2"	PP
3T150FG4812PT	DN10	G1/2"	PTFE
3T150FG4812PV	DN10	G1/2"	PVDF
3T150FG4814PP	DN10	G1/4"	PP
3T150FG4814PV	DN10	G1/4"	PVDF
3T150FG4818PP	DN10	G1/8"	PP
3T150FG4838PP	DN10	G3/8"	PP
3T150FG4838PT	DN10	G3/8"	PTFE
3T150FG4838PV	DN10	G3/8"	PVDF
3T150FG5112PP	DN12	G1/2"	PP
3T150FG5112PV	DN12	G1/2"	PVDF
3T150FG5114PP	DN12	G1/4"	PP
3T150FG5138PP	DN12	G3/8"	PP
3T150FG5212PP	DN13	G1/2"	PP
3T150FG5234PP	DN13	G3/4"	PP
3T150FG5312PP	DN14	G1/2"	PP
3T150FG5312PV	DN14	G1/2"	PVDF
3T150FG5338PP	DN14	G3/8"	PP
3T150FG5512PP	DN16	G1/2"	PP
3T150FG5512PT	DN16	G1/2"	PTFE
3T150FG5538PP	DN16	G3/8"	PP
3T150FG57100PP	DN18	G1"	PP
3T150FG5812PP	DN19	G1/2"	PP

Dimensions 3T150FG...

A(D)	B(G)	I3	I4	~L11	SW1
4	1/8"	21	10	37	14
4	1/4"	21	15	42	17
4	3/8"	21	15	47	22
4	1/2"	21	16	43	27
6	1/8"	23	10	38	14
6	1/4"	23	15	43	17
6	3/8"	23	15	43	22
6	1/2"	23	16	45	27
8	1/8"	23	10	38	14
8	1/4"	23	15	43	17
8	3/8"	23	15	43	22
8	1/2"	23	16	45	27

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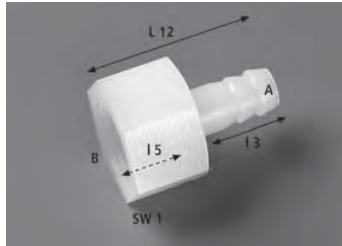
Straight barb connector (Series 3T) with female G-thread

3

A(D)	B(G)	I3	I4	~L11	SW1
10	1/8"	27	10	42	14
10	1/4"	27	15	48	17
10	3/8"	27	15	48	22
10	1/2"	27	16	50	27
12	1/4"	31	15	53	17
12	3/8"	31	15	53	22
12	1/2"	31	16	55	27
14	1/4"	31	15	50	22
14	3/8"	31	15	53	22
14	1/2"	31	16	53	27
16	1/4"	35	15	58	22
16	3/8"	35	15	58	22
16	1/2"	35	16	55	27

Straight barb connector (Series 3T) with female NPT-thread

3



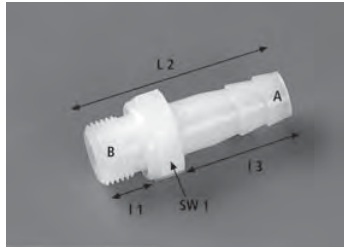
Article-Nr	Connection A	Connection B	Material
3T150FN0318PV	DN1/8"	NPT1/8"	PVDF
3T150FN4014PV	DN04	NPT1/4"	PVDF
3T150FN4018PT	DN04	NPT1/8"	PTFE
3T150FN4018PV	DN04	NPT1/8"	PVDF
3T150FN4218PP	DN05	NPT1/8"	PP
3T150FN4312PV	DN06	NPT1/2"	PVDF
3T150FN4314PP	DN06	NPT1/4"	PP
3T150FN4314PT	DN06	NPT1/4"	PTFE
3T150FN4318PP	DN06	NPT1/8"	PP
3T150FN4318PV	DN06	NPT1/8"	PVDF
3T150FN4338PV	DN06	NPT3/8"	PVDF
3T150FN4514PP	DN08	NPT1/4"	PP
3T150FN4814PP	DN10	NPT1/4"	PP
3T150FN5114PP	DN12	NPT1/4"	PP

Dimensions 3T150FN. . .

A(D)	B(NPT)	I3	I5	~L12	SW1
4	1/8"	21	11,6	38	14
4	1/4"	21	16,4	43	17
4	3/8"	21	17,4	45	22
4	1/2"	21	22,6	51	27
6	1/8"	23	11,6	40	14
6	1/4"	23	16,4	45	17
6	3/8"	23	17,4	47	22
6	1/2"	23	22,6	53	27
8	1/8"	23	11,6	40	14
8	1/4"	23	16,4	45	17
8	3/8"	23	17,4	47	22
8	1/2"	23	22,6	53	27
10	1/8"	27	11,6	44	14
10	1/4"	27	16,4	49	17
10	3/8"	27	17,4	51	22
10	1/2"	27	22,6	57	27
12	1/4"	31	16,4	53	17
12	3/8"	31	17,4	55	22
12	1/2"	31	22,6	61	27
14	1/4"	31	16,4	54	22
14	3/8"	31	17,4	55	22
14	1/2"	31	22,6	61	27
16	1/4"	35	16,4	58	22
16	3/8"	35	17,4	59	22
16	1/2"	35	22,6	65	27

Straight barb connector (Series 3T) with male G-thread

3



Article-Nr	Connection A	Connection B	Material
3T150MG0314PP	DN1/8"	G1/4"	PP
3T150MG0314PT	DN1/8"	G1/4"	PTFE
3T150MG0318PP	DN1/8"	G1/8"	PP
3T150MG1114PP	DN1/4"	G1/4"	PP
3T150MG1114PT	DN1/4"	G1/4"	PTFE
3T150MG1114PV	DN1/4"	G1/4"	PVDF
3T150MG1138PP	DN1/4"	G3/8"	PP
3T150MG1138PV	DN1/4"	G3/8"	PVDF
3T150MG1512PP	DN3/8"	G1/2"	PP
3T150MG1612PP	DN1/2"	G1/2"	PP
3T150MG1612PT	DN1/2"	G1/2"	PTFE
3T150MG1612PV	DN1/2"	G1/2"	PVDF
3T150MG3518PV	DN01	G1/8"	PVDF
3T150MG4012PP	DN04	G1/2"	PP
3T150MG4012PV	DN04	G1/2"	PVDF
3T150MG4014PP	DN04	G1/4"	PP
3T150MG4014PT	DN04	G1/4"	PTFE
3T150MG4014PV	DN04	G1/4"	PVDF
3T150MG4018PP	DN04	G1/8"	PP
3T150MG4018PPEP	DN04	G1/8"	PP/EPDM
3T150MG4018PT	DN04	G1/8"	PTFE
3T150MG4018PV	DN04	G1/8"	PVDF
3T150MG4038PP	DN04	G3/8"	PP
3T150MG4038PPFP	DN04	G3/8"	PP/FPM
3T150MG4038PT	DN04	G3/8"	PTFE
3T150MG4214PP	DN05	G1/4"	PP
3T150MG4312PP	DN06	G1/2"	PP
3T150MG4312PT	DN06	G1/2"	PTFE
3T150MG4312PV	DN06	G1/2"	PVDF
3T150MG4314PP	DN06	G1/4"	PP
3T150MG4314PPFP	DN06	G1/4"	PP/FPM
3T150MG4314PT	DN06	G1/4"	PTFE
3T150MG4314PV	DN06	G1/4"	PVDF
3T150MG4314PVFP	DN06	G1/4"	PVDF/FPM
3T150MG4318PP	DN06	G1/8"	PP
3T150MG4318PPEP	DN06	G1/8"	PP/EPDM
3T150MG4318PT	DN06	G1/8"	PTFE
3T150MG4318PV	DN06	G1/8"	PVDF
3T150MG4334PP	DN06	G3/4"	PP
3T150MG4338PP	DN06	G3/8"	PP
3T150MG4338PT	DN06	G3/8"	PTFE
3T150MG4338PV	DN06	G3/8"	PVDF
3T150MG4512PP	DN08	G1/2"	PP
3T150MG4512PT	DN08	G1/2"	PTFE
3T150MG4512PV	DN08	G1/2"	PVDF
3T150MG4514PNEP	DN08	G1/4"	PP-NATUR/EPDM
3T150MG4514PP	DN08	G1/4"	PP
3T150MG4514PT	DN08	G1/4"	PTFE
3T150MG4514PV	DN08	G1/4"	PVDF
3T150MG4518PP	DN08	G1/8"	PP
3T150MG4518PT	DN08	G1/8"	PTFE
3T150MG4518PV	DN08	G1/8"	PVDF
3T150MG4538PP	DN08	G3/8"	PP
3T150MG4538PT	DN08	G3/8"	PTFE
3T150MG4538PV	DN08	G3/8"	PVDF
3T150MG4812PP	DN10	G1/2"	PP
3T150MG4812PPEP	DN10	G1/2"	PP/EPDM
3T150MG4812PT	DN10	G1/2"	PTFE
3T150MG4812PV	DN10	G1/2"	PVDF
3T150MG4814PNEP	DN10	G1/4"	PP-NATUR/EPDM

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Straight barb connector (Series 3T) with male G-thread

3

Article-Nr	Connection A	Connection B	Material
3T150MG4814PP	DN10	G1/4"	PP
3T150MG4814PPFP	DN10	G1/4"	PP/FPM
3T150MG4814PT	DN10	G1/4"	PTFE
3T150MG4814PV	DN10	G1/4"	PVDF
3T150MG4818PP	DN10	G1/8"	PP
3T150MG4818PPEP	DN10	G1/8"	PP/EPDM
3T150MG4818PPFP	DN10	G1/8"	PP/FPM
3T150MG4818PT	DN10	G1/8"	PTFE
3T150MG4818PV	DN10	G1/8"	PVDF
3T150MG4838PP	DN10	G3/8"	PP
3T150MG4838PT	DN10	G3/8"	PTFE
3T150MG4838PV	DN10	G3/8"	PVDF
3T150MG5112PP	DN12	G1/2"	PP
3T150MG5112PT	DN12	G1/2"	PTFE
3T150MG5112PV	DN12	G1/2"	PVDF
3T150MG5114PP	DN12	G1/4"	PP
3T150MG5114PT	DN12	G1/4"	PTFE
3T150MG5114PV	DN12	G1/4"	PVDF
3T150MG5118PP	DN12	G1/8"	PP
3T150MG5138PP	DN12	G3/8"	PP
3T150MG5138PV	DN12	G3/8"	PVDF
3T150MG5212PP	DN13	G1/2"	PP
3T150MG5212PT	DN13	G1/2"	PTFE
3T150MG5212PV	DN13	G1/2"	PVDF
3T150MG5238PP	DN13	G3/8"	PP
3T150MG5238PT	DN13	G3/8"	PTFE
3T150MG5312PN	DN14	G1/2"	PP-NATUR
3T150MG5312PP	DN14	G1/2"	PP
3T150MG5312PV	DN14	G1/2"	PVDF
3T150MG5314PP	DN14	G1/4"	PP
3T150MG5338PP	DN14	G3/8"	PP
3T150MG5434PV	DN15	G3/4"	PVDF
3T150MG5512PP	DN16	G1/2"	PP
3T150MG5512PT	DN16	G1/2"	PTFE
3T150MG5512PV	DN16	G1/2"	PVDF
3T150MG5514PP	DN16	G1/4"	PP
3T150MG5514PT	DN16	G1/4"	PTFE
3T150MG5538PP	DN16	G3/8"	PP
3T150MG58100PP	DN19	G1"	PP
3T150MG5812PP	DN19	G1/2"	PP
3T150MG5812PT	DN19	G1/2"	PTFE
3T150MG5812PV	DN19	G1/2"	PVDF
3T150MG5834PP	DN19	G3/4"	PP
3T150MG5838PV	DN19	G3/8"	PVDF

Dimensions 3T150MG...

A(D)	B(G)	I1	I3	~L2	SW1
4	1/8"	8	21	35,5	14
4	1/4"	12	21	41	17
4	3/8"	12	21	42,5	22
4	1/2"	14	21	47	27
6	1/8"	8	23	37,5	14
6	1/4"	12	23	43	17
6	3/8"	12	23	44,5	22
6	1/2"	14	23	49	27
8	1/8"	8	23	37,5	14
8	1/4"	12	23	43	17
8	3/8"	12	23	44,5	22
8	1/2"	14	23	49	27
10	1/8"	8	27	41,5	14
10	1/4"	12	27	47	17

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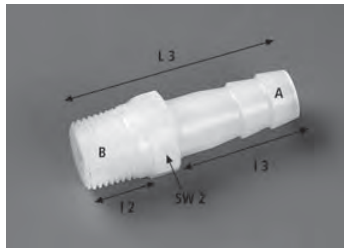
Straight barb connector (Series 3T) with male
G-thread

3

A(D)	B(G)	I1	I3	~L2	SW1
10	3/8"	12	27	48,5	22
10	1/2"	14	27	53	27
12	1/4"	12	31	51	17
12	3/8"	12	31	52,5	22
12	1/2"	14	31	57	27
14	1/4"	12	31	52	19
14	3/8"	12	31	52,5	22
14	1/2"	14	31	57	27
16	1/4"	12	35	56	22
16	3/8"	12	35	56,5	22
16	1/2"	14	35	61	27
1/8"	1/8"	8	15	29,5	14
1/8"	1/4"	12	15	35	17
1/8"	3/8"	12	15	36,5	22
1/8"	1/2"	14	15	41	27
1/4"	1/8"	8	23	37,5	14
1/4"	1/4"	12	23	43	17
1/4"	3/8"	12	23	44,5	22
1/4"	1/2"	14	23	49	27
3/8"	1/8"	8	27	42,5	17
3/8"	1/4"	12	27	47	17
3/8"	3/8"	12	27	48,5	22
3/8"	1/2"	14	27	53	27
1/2"	1/4"	12	31	52	22
1/2"	3/8"	12	31	52,5	22
1/2"	1/2"	14	31	57	27

Straight barb connector (Series 3T) with male NPT-thread

3



Article-Nr	Connection A	Connection B	Material
3T150MN0312PP	DN1/8"	NPT1/2"	PP
3T150MN0314PP	DN1/8"	NPT1/4"	PP
3T150MN0314PV	DN1/8"	NPT1/4"	PVDF
3T150MN0318PP	DN1/8"	NPT1/8"	PP
3T150MN0318PV	DN1/8"	NPT1/8"	PVDF
3T150MN0338PP	DN1/8"	NPT3/8"	PP
3T150MN1114PP	DN1/4"	NPT1/4"	PP
3T150MN1512PP	DN3/8"	NPT1/2"	PP
3T150MN1512PV	DN3/8"	NPT1/2"	PVDF
3T150MN1612PP	DN1/2"	NPT1/2"	PP
3T150MN4012PP	DN04	NPT1/2"	PP
3T150MN4012PV	DN04	NPT1/2"	PVDF
3T150MN4014PP	DN04	NPT1/4"	PP
3T150MN4014PT	DN04	NPT1/4"	PTFE
3T150MN4014PV	DN04	NPT1/4"	PVDF
3T150MN4018PP	DN04	NPT1/8"	PP
3T150MN4018PT	DN04	NPT1/8"	PTFE
3T150MN4018PV	DN04	NPT1/8"	PVDF
3T150MN4038PP	DN04	NPT3/8"	PP
3T150MN4038PT	DN04	NPT3/8"	PTFE
3T150MN4038PV	DN04	NPT3/8"	PVDF
3T150MN4312PP	DN06	NPT1/2"	PP
3T150MN4312PT	DN06	NPT1/2"	PTFE
3T150MN4312PV	DN06	NPT1/2"	PVDF
3T150MN4314PP	DN06	NPT1/4"	PP
3T150MN4314PT	DN06	NPT1/4"	PTFE
3T150MN4314PV	DN06	NPT1/4"	PVDF
3T150MN4318PP	DN06	NPT1/8"	PP
3T150MN4318PT	DN06	NPT1/8"	PTFE
3T150MN4318PV	DN06	NPT1/8"	PVDF
3T150MN4338PP	DN06	NPT3/8"	PP
3T150MN4338PV	DN06	NPT3/8"	PVDF
3T150MN4512PP	DN08	NPT1/2"	PP
3T150MN4512PT	DN08	NPT1/2"	PTFE
3T150MN4512PV	DN08	NPT1/2"	PVDF
3T150MN4514PP	DN08	NPT1/4"	PP
3T150MN4514PT	DN08	NPT1/4"	PTFE
3T150MN4514PV	DN08	NPT1/4"	PVDF
3T150MN4518PP	DN08	NPT1/8"	PP
3T150MN4518PT	DN08	NPT1/8"	PTFE
3T150MN4518PV	DN08	NPT1/8"	PVDF
3T150MN4538PP	DN08	NPT3/8"	PP
3T150MN4538PT	DN08	NPT3/8"	PTFE
3T150MN4538PV	DN08	NPT3/8"	PVDF
3T150MN4812PP	DN10	NPT1/2"	PP
3T150MN4812PT	DN10	NPT1/2"	PTFE
3T150MN4812PV	DN10	NPT1/2"	PVDF
3T150MN4814PP	DN10	NPT1/4"	PP
3T150MN4814PT	DN10	NPT1/4"	PTFE
3T150MN4814PV	DN10	NPT1/4"	PVDF
3T150MN4818PP	DN10	NPT1/8"	PP
3T150MN4838PP	DN10	NPT3/8"	PP
3T150MN4838PT	DN10	NPT3/8"	PTFE
3T150MN4838PV	DN10	NPT3/8"	PVDF
3T150MN5112PP	DN12	NPT1/2"	PP
3T150MN5112PT	DN12	NPT1/2"	PTFE
3T150MN5112PV	DN12	NPT1/2"	PVDF
3T150MN5114PP	DN12	NPT1/4"	PP
3T150MN5114PT	DN12	NPT1/4"	PTFE
3T150MN5114PV	DN12	NPT1/4"	PVDF
3T150MN5138PP	DN12	NPT3/8"	PP
3T150MN5312PP	DN14	NPT1/2"	PP

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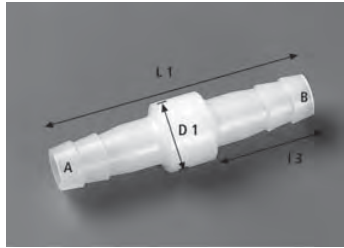
Straight barb connector (Series 3T) with male
NPT-thread

3

Article-Nr	Connection A	Connection B	Material
3T150MN5314PP	DN14	NPT1/4"	PP
3T150MN5338PP	DN14	NPT3/8"	PP
3T150MN5338PV	DN14	NPT3/8"	PVDF
3T150MN5512PP	DN16	NPT1/2"	PP
3T150MN5512PT	DN16	NPT1/2"	PTFE
3T150MN5512PV	DN16	NPT1/2"	PVDF
3T150MN5514PV	DN16	NPT1/4"	PVDF
3T150MN5538PV	DN16	NPT3/8"	PVDF
3T150MN5712PV	DN18	NPT1/2"	PVDF
3T150MN6212PV	DN26	NPT1/2"	PVDF

Dimensions 3T150MN...

A(D)	B(NPT)	l2	l3	~L3	SW2
4	1/8"	9,97	21	36	12
4	1/4"	15,1	21	43	17
4	3/8"	15,26	21	43	19
4	1/2"	19,85	21	49	24
6	1/8"	9,97	23	37,5	12
6	1/4"	15,1	23	45	17
6	3/8"	15,26	23	45	19
6	1/2"	19,85	23	51	24
8	1/8"	9,97	23	39	14
8	1/4"	15,1	23	45	17
8	3/8"	15,26	23	45	19
8	1/2"	19,85	23	51	24
10	1/8"	9,97	27	43	14
10	1/4"	15,1	27	49	17
10	3/8"	15,26	27	49	19
10	1/2"	19,85	27	55	24
12	1/4"	15,1	31	52	17
12	3/8"	15,26	31	53	19
12	1/2"	19,85	31	59	24
14	1/4"	15,1	31	52	17
14	3/8"	15,26	31	53	19
14	1/2"	19,85	31	59	24
16	1/4"	15,1	35	57	19
16	3/8"	15,26	35	57	19
16	1/2"	19,85	35	63	24



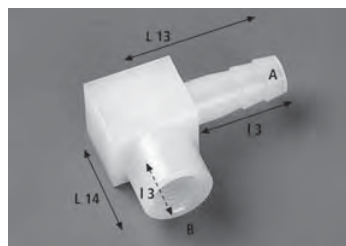
Article-Nr	Connection A	Connection B	Material
3T150T40PP	DN04	DN04	PP
3T150T40PT	DN04	DN04	PTFE
3T150T40PV	DN04	DN04	PVDF
3T150T4340PP	DN06	DN04	PP
3T150T4340PV	DN06	DN04	PVDF
3T150T43PP	DN06	DN06	PP
3T150T43PT	DN06	DN06	PTFE
3T150T43PV	DN06	DN06	PVDF
3T150T4540PP	DN08	DN04	PP
3T150T4543PP	DN08	DN06	PP
3T150T4543PV	DN08	DN06	PVDF
3T150T4551PP	DN08	DN12	PP
3T150T45PP	DN08	DN08	PP
3T150T45PT	DN08	DN08	PTFE
3T150T45PV	DN08	DN08	PVDF
3T150T4840PP	DN10	DN04	PP
3T150T4843PP	DN10	DN06	PP
3T150T4845PP	DN10	DN08	PP
3T150T48PP	DN10	DN10	PP
3T150T48PT	DN10	DN10	PTFE
3T150T48PV	DN10	DN10	PVDF
3T150T5140PP	DN12	DN04	PP
3T150T5143PP	DN12	DN06	PP
3T150T5148PP	DN12	DN10	PP
3T150T5157PV	DN12	DN18	PVDF
3T150T51PP	DN12	DN12	PP
3T150T51PT	DN12	DN12	PTFE
3T150T51PV	DN12	DN12	PVDF
3T150T55PP	DN16	DN16	PP

Dimensions 3T150T...

A(D)	B(D)	l3	~L1	D1
4	4	21	52	10
6	6	23	58	12
8	8	23	58	15
10	10	27	69	18
12	12	31	76	20

Elbow barb connector (Series 3T) with female G-thread

3



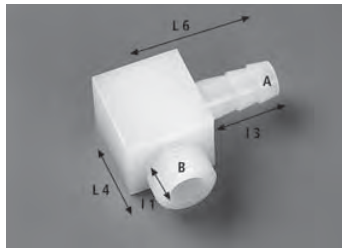
Article-Nr	Connection A	Connection B	Material
3T250FG4014PP	DN04	G1/4"	PP
3T250FG4018PP	DN04	G1/8"	PP
3T250FG4314PP	DN06	G1/4"	PP
3T250FG4318PP	DN06	G1/8"	PP
3T250FG4338PP	DN06	G3/8"	PP
3T250FG4514PP	DN08	G1/4"	PP
3T250FG4514PV	DN08	G1/4"	PVDF
3T250FG4538PP	DN08	G3/8"	PP
3T250FG4814PP	DN10	G1/4"	PP
3T250FG4814PV	DN10	G1/4"	PVDF
3T250FG4838PP	DN10	G3/8"	PP
3T250FG5112PV	DN12	G1/2"	PVDF
3T250FG5538PP	DN16	G3/8"	PP

Dimensions 3T250FG...

A(D)	B(G)	I3	I4	L13	L14
4	1/8"	21	10	30	17
4	1/4"	21	15	33	20
4	3/8"	21	15	36	20
4	1/2"	21	16	38.5	20
6	1/8"	23	10	32	20
6	1/4"	23	15	35	20
6	3/8"	23	15	38	20
6	1/2"	23	16	40.5	25
8	1/8"	23	10	32	20
8	1/4"	23	15	35	20
8	3/8"	23	15	38	25
8	1/2"	23	16	40.5	30
10	1/4"	27	15	39	25
10	3/8"	27	15	42	25
10	1/2"	27	16	44.5	30
12	1/4"	31	15	43	25
12	3/8"	31	15	46	25
12	1/2"	31	16	48.5	30

Elbow barb connector (Series 3T) with male G-thread

3



Article-Nr	Connection A	Connection B	Material
3T250MG1512PP	DN3/8"	G1/2"	PP
3T250MG1612PP	DN1/2"	G1/2"	PP
3T250MG4012PP	DN04	G1/2"	PP
3T250MG4014PP	DN04	G1/4"	PP
3T250MG4014PT	DN04	G1/4"	PTFE
3T250MG4014PV	DN04	G1/4"	PVDF
3T250MG4018PP	DN04	G1/8"	PP
3T250MG4018PT	DN04	G1/8"	PTFE
3T250MG4018PV	DN04	G1/8"	PVDF
3T250MG4038PT	DN04	G3/8"	PTFE
3T250MG4312PP	DN06	G1/2"	PP
3T250MG4312PV	DN06	G1/2"	PVDF
3T250MG4314PP	DN06	G1/4"	PP
3T250MG4314PT	DN06	G1/4"	PTFE
3T250MG4314PV	DN06	G1/4"	PVDF
3T250MG4318PP	DN06	G1/8"	PP
3T250MG4318PT	DN06	G1/8"	PTFE
3T250MG4318PV	DN06	G1/8"	PVDF
3T250MG4338PP	DN06	G3/8"	PP
3T250MG4338PT	DN06	G3/8"	PTFE
3T250MG4338PV	DN06	G3/8"	PVDF
3T250MG4414PP	DN07	G1/4"	PP
3T250MG4512PP	DN08	G1/2"	PP
3T250MG4512PT	DN08	G1/2"	PTFE
3T250MG4514PP	DN08	G1/4"	PP
3T250MG4514PT	DN08	G1/4"	PTFE
3T250MG4514PV	DN08	G1/4"	PVDF
3T250MG4518PP	DN08	G1/8"	PP
3T250MG4518PT	DN08	G1/8"	PTFE
3T250MG4538PP	DN08	G3/8"	PP
3T250MG4538PT	DN08	G3/8"	PTFE
3T250MG4538PV	DN08	G3/8"	PVDF
3T250MG4812PP	DN10	G1/2"	PP
3T250MG4812PV	DN10	G1/2"	PVDF
3T250MG4814PP	DN10	G1/4"	PP
3T250MG4814PT	DN10	G1/4"	PTFE
3T250MG4814PV	DN10	G1/4"	PVDF
3T250MG4818PP	DN10	G1/8"	PP
3T250MG4838PP	DN10	G3/8"	PP
3T250MG4838PT	DN10	G3/8"	PTFE
3T250MG4838PV	DN10	G3/8"	PVDF
3T250MG5112PP	DN12	G1/2"	PP
3T250MG5112PV	DN12	G1/2"	PVDF
3T250MG5114PP	DN12	G1/4"	PP
3T250MG5114PV	DN12	G1/4"	PVDF
3T250MG5138PP	DN12	G3/8"	PP
3T250MG5138PT	DN12	G3/8"	PTFE

Dimensions 3T250MG...

A(D)	B(G)	l1	l3	~L4	~L6
4	1/8"	8	21	21	30
4	1/4"	12	21	22	30
4	3/8"	12	21	27	33
4	1/2"	14	21	29	36
6	1/8"	8	23	23	32
6	1/4"	12	23	27	32
6	3/8"	12	23	27	35
6	1/2"	14	23	29	38
8	1/8"	8	23	23	32
8	1/4"	12	23	27	32
8	3/8"	12	23	27	35

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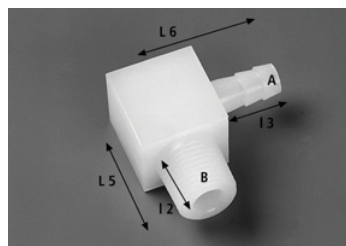
Elbow barb connector (Series 3T) with male
G-thread

3

A(D)	B(G)	I1	I3	~L4	~L6
8	1/2"	14	23	31	38
10	1/8"	8	27	25	39
10	1/4"	12	27	27	39
10	3/8"	12	27	29	42
10	1/2"	14	27	31	42
12	1/4"	12	31	29	46
12	3/8"	12	31	29	46
12	1/2"	14	31	31	46

Elbow barb connector (Series 3T) with male NPT-thread

3



Article-Nr	Connection A	Connection B	Material
3T250MN4012PP	DN04	NPT1/2"	PP
3T250MN4014PP	DN04	NPT1/4"	PP
3T250MN4018PP	DN04	NPT1/8"	PP
3T250MN4018PV	DN04	NPT1/8"	PVDF
3T250MN4038PP	DN04	NPT3/8"	PP
3T250MN4312PP	DN06	NPT1/2"	PP
3T250MN4314PP	DN06	NPT1/4"	PP
3T250MN4314PT	DN06	NPT1/4"	PTFE
3T250MN4318PP	DN06	NPT1/8"	PP
3T250MN4318PT	DN06	NPT1/8"	PTFE
3T250MN4318PV	DN06	NPT1/8"	PVDF
3T250MN4338PP	DN06	NPT3/8"	PP
3T250MN4512PP	DN08	NPT1/2"	PP
3T250MN4512PT	DN08	NPT1/2"	PTFE
3T250MN4512PV	DN08	NPT1/2"	PVDF
3T250MN4514PP	DN08	NPT1/4"	PP
3T250MN4514PT	DN08	NPT1/4"	PTFE
3T250MN4514PV	DN08	NPT1/4"	PVDF
3T250MN4518PP	DN08	NPT1/8"	PP
3T250MN4518PT	DN08	NPT1/8"	PTFE
3T250MN4538PP	DN08	NPT3/8"	PP
3T250MN4812PP	DN10	NPT1/2"	PP
3T250MN4814PP	DN10	NPT1/4"	PP
3T250MN4838PP	DN10	NPT3/8"	PP
3T250MN5112PP	DN12	NPT1/2"	PP
3T250MN5112PV	DN12	NPT1/2"	PVDF
3T250MN5114PP	DN12	NPT1/4"	PP
3T250MN5138PP	DN12	NPT3/8"	PP
3T250MN5334PP	DN14	NPT3/4"	PP
3T250MN5334PV	DN14	NPT3/4"	PVDF

Dimensions 3T250MN...

A(D)	B(NPT)	I2	I3	~L5	~L6
4	1/8"	9,97	21	19,97	30
4	1/4"	15,1	21	25,1	30
4	3/8"	15,26	21	30,26	33
4	1/2"	19,85	21	34,85	36
6	1/8"	9,97	23	24,97	32
6	1/4"	15,1	23	30,1	32
6	3/8"	15,26	23	30,26	35
6	1/2"	19,85	23	34,85	38
8	1/8"	9,97	23	24,97	32
8	1/4"	15,1	23	30,1	32
8	3/8"	15,26	23	30,26	35
8	1/2"	19,85	23	34,85	38
10	1/8"	9,97	27	26,97	39
10	1/4"	15,1	27	32,1	39
10	3/8"	15,26	27	32,26	42
10	1/2"	19,85	27	36,85	42
12	1/4"	15,1	31	32,1	46
12	3/8"	15,26	31	32,26	46
12	1/2"	19,85	31	36,85	46



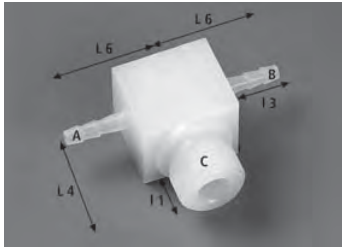
Article-Nr	Connection A	Connection B	Material
3T250T40PP	DN04	DN04	PP
3T250T40PT	DN04	DN04	PTFE
3T250T40PV	DN04	DN04	PVDF
3T250T4340PP	DN06	DN04	PP
3T250T43PP	DN06	DN06	PP
3T250T43PT	DN06	DN06	PTFE
3T250T43PV	DN06	DN06	PVDF
3T250T45PP	DN08	DN08	PP
3T250T45PT	DN08	DN08	PTFE
3T250T45PV	DN08	DN08	PVDF
3T250T48PP	DN10	DN10	PP
3T250T48PT	DN10	DN10	PTFE
3T250T51PP	DN12	DN12	PP
3T250T51PT	DN12	DN12	PTFE

Dimensions 3T250T...

A(D)	B(D)	I3	~L7
4	4	21	30
6	6	23	32
8	8	23	32
10	10	27	36
12	12	31	43

T-barb connector (Series 3T) with male NPT-thread

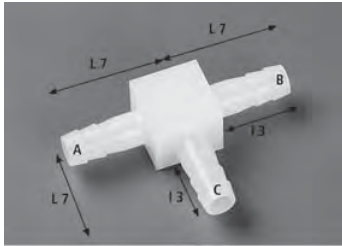
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Article-Nr	Connection A	Connection B	Connection C	Material
3T350MG4018PP	DN04	DN04	G1/8"	PP
3T350MG4018PV	DN04	DN04	G1/8"	PVDF
3T350MG4314PT	DN06	DN06	G1/4"	PTFE
3T350MG4318PT	DN06	DN06	G1/8"	PTFE
3T350MG4318PV	DN06	DN06	G1/8"	PVDF
3T350MG4414PP	DN07	DN07	G1/4"	PP
3T350MG4514PP	DN08	DN08	G1/4"	PP
3T350MG4538PP	DN08	DN08	G3/8"	PP
3T350MG4838PP	DN10	DN10	G3/8"	PP

Dimensions 3T350MG...

A(D)	B(D)	C(G)	I1	I3	L4	L6
4	4	1/8"	8	21	18	30
4	4	1/4"	12	21	22	30
4	4	3/8"	12	21	27	33
4	4	1/2"	14	21	29	36
6	6	1/8"	8	23	23	32
6	6	1/4"	12	23	27	32
6	6	3/8"	12	23	27	35
6	6	1/2"	14	23	29	38
8	8	1/8"	8	23	23	32
8	8	1/4"	12	23	27	32
8	8	3/8"	12	23	27	35
8	8	1/2"	14	23	29	38
10	10	1/4"	12	27	29	39
10	10	3/8"	12	27	29	42
10	10	1/2"	14	27	31	42
12	12	1/4"	12	31	29	46
12	12	3/8"	12	31	29	46
12	12	1/2"	14	31	31	46



Article-Nr	Connection A	Connection B	Connection C	Material
3T350T40PN	DN04	DN04	DN04	PP-NATUR
3T350T40PP	DN04	DN04	DN04	PP
3T350T40PT	DN04	DN04	DN04	PTFE
3T350T40PV	DN04	DN04	DN04	PVDF
3T350T434345PP	DN06	DN06	DN08	PP
3T350T43PP	DN06	DN06	DN06	PP
3T350T43PT	DN06	DN06	DN06	PTFE
3T350T43PV	DN06	DN06	DN06	PVDF
3T350T454540PP	DN08	DN08	DN04	PP
3T350T45PP	DN08	DN08	DN08	PP
3T350T45PT	DN08	DN08	DN08	PTFE
3T350T45PV	DN08	DN08	DN08	PVDF
3T350T48PP	DN10	DN10	DN10	PP
3T350T48PT	DN10	DN10	DN10	PTFE
3T350T51PP	DN12	DN12	DN12	PP
3T350T51PT	DN12	DN12	DN12	PTFE

Dimensions 3T350T...

A(D)	B(D)	C(D)	l3	L7
4	4	4	21	30
6	6	6	23	32
8	8	8	23	32
10	10	10	27	36
12	12	12	31	43

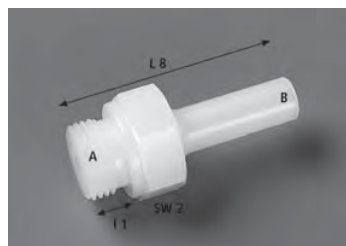


- 1) Various connection principles for flexible tube and pipe connections
- 2) Available in PP, natural PP, PVDF and PFA ⇒ High media resistance
- 3) Welding union in accordance with DIN

Welding adaptors are used in all situations where fixed connections are required, for example in the case of mid-process transfer from pipes to flexible tubes or pipe ends. They are absolutely tight and are the ideal solution in production engineering. They are equally suitable for use in edge-to-edge and socket welding processes, thereby providing the user with a considerable level of installation flexibility. Connection options are almost unlimited. All parts are available in the wellknown material variety: PP, natural PP, PVDF and PFA. The welding adaptors are available in clean-room quality (ISO class 5) especially for the semiconductor industry and related sectors. The standard programme is expanded by a wide range of reducers thus providing additional solutions for machine engineering. If there is still another connection piece you require, it might be found in our very wide range of accessories.

Straight welding adaptor (Series 3W) with male G-thread

3



Article-Nr	Connection A	Connection B	Material
3W100MG1248PP	G1/2"	D10	PP
3W100MG1248PVFP	G1/2"	D10	PVDF/FPM
3W100MG1251PV	G1/2"	D12	PVDF
3W100MG1259PV	G1/2"	D20	PVDF
3W100MG1265PP	G1/2"	D32	PP
3W100MG1411PF	G1/4"	D1/4"	PFA
3W100MG1440PV	G1/4"	D04	PVDF
3W100MG1443PP	G1/4"	D06	PP
3W100MG1443PVFP	G1/4"	D06	PP/FPM
3W100MG1443PV	G1/4"	D06	PVDF
3W100MG1443PVFP	G1/4"	D06	PVDF/FPM
3W100MG1445PP	G1/4"	D08	PP
3W100MG1445PV	G1/4"	D08	PVDF
3W100MG1448PV	G1/4"	D10	PVDF
3W100MG1451PP	G1/4"	D12	PP
3W100MG1455PP	G1/4"	D16	PP
3W100MG1455PV	G1/4"	D16	PVDF
3W100MG1459PP	G1/4"	D20	PP
3W100MG1840PV	G1/8"	D04	PVDF
3W100MG1843PP	G1/8"	D06	PP
3W100MG1843PV	G1/8"	D06	PVDF
3W100MG1843PVFP	G1/8"	D06	PVDF/FPM
3W100MG1845PVFP	G1/8"	D08	PFA/FPM
3W100MG1845PP	G1/8"	D08	PP
3W100MG1845PVFP	G1/8"	D08	PP/FPM
3W100MG1845PV	G1/8"	D08	PVDF
3W100MG1848PP	G1/8"	D10	PP
3W100MG1848PV	G1/8"	D10	PVDF
3W100MG1851PP	G1/8"	D12	PP
3W100MG3455PV	G3/4"	D16	PVDF
3W100MG3845PF	G3/8"	D08	PFA
3W100MG3845PP	G3/8"	D08	PP
3W100MG3845PT	G3/8"	D08	PTFE
3W100MG3848PVFP	G3/8"	D10	PVDF/FPM
3W100MG3851PF	G3/8"	D12	PFA
3W100MG3851PP	G3/8"	D12	PP
3W100MG3851PV	G3/8"	D12	PVDF

Dimensions 3W100MG...

A(G)	B(D)	I1	~L8	SW2
1/8"	4	8	34,5	14
1/4"	4	12	40	17
1/8"	6	8	37,5	14
1/4"	6	12	43	17
3/8"	6	12	44,5	22
1/2"	6	14	49	27
1/8"	8	8	40,5	14
1/4"	8	12	46	17
3/8"	8	12	47,5	22
1/2"	8	14	52	27
1/8"	10	8	44,5	14
1/4"	10	12	50	17
3/8"	10	12	51,5	22
1/2"	10	14	56	27
1/8"	12	8	46,5	14
1/4"	12	12	52	17
3/8"	12	12	53,5	22
1/2"	12	14	58	27
1/8"	14	8	51,5	17
1/4"	14	12	56	17
3/8"	14	12	57,5	22

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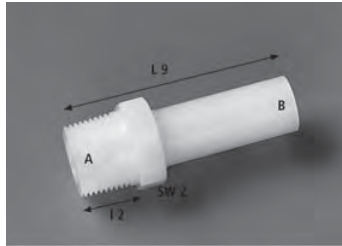
Straight welding adaptor (Series 3W) with male G-thread

3

A(G)	B(D)	I1	-L8	SW2
1/2"	14	14	62	27
1/4"	16	12	61	19
3/8"	16	12	51,5	22
1/2"	16	14	66	27
3/4"	16	16	73	36
1/8"	1/4"	8	39,5	14
1/4"	1/4"	12	45	17
3/8"	1/4"	12	46,5	22
1/2"	1/4"	14	51	27
1/8"	3/8"	8	46,5	14
1/4"	3/8"	12	52	17
3/8"	3/8"	12	53,5	22
1/2"	3/8"	14	58	27
1/8"	1/2"	8	49,5	14
1/4"	1/2"	12	55	17
3/8"	1/2"	12	56,5	22
1/2"	1/2"	14	61	27

Straight welding adaptor (Series 3W) with male NPT-thread

3



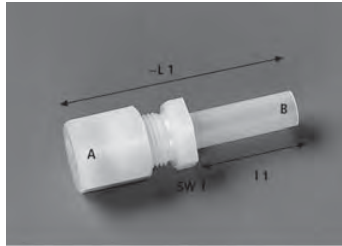
Article-Nr	Connection A	Connection B	Material
3W100MN1440PV	NPT1/4"	D04	PVDF
3W100MN1443PV	NPT1/4"	D06	PVDF
3W100MN1445PF	NPT1/4"	D08	PFA
3W100MN1445PT	NPT1/4"	D08	PTFE
3W100MN1445PV	NPT1/4"	D08	PVDF
3W100MN1451PV	NPT1/4"	D12	PVDF
3W100MN1843PV	NPT1/8"	D06	PVDF
3W100MN1848PP	NPT1/8"	D10	PP
3W100MN3816PP	NPT3/8"	D1/2"	PP

Dimensions 3W100MN . . .

A(NPT)	B(D)	I2	~L9	SW2
1/8"	4	10	35	12
1/4"	4	15	41	17
1/8"	6	10	38	12
1/4"	6	15	44	17
3/8"	6	15,3	45	19
1/2"	6	20	51	24
1/8"	8	10	41	12
1/4"	8	15	47	17
3/8"	8	15,3	48	19
1/2"	8	20	54	24
1/8"	10	10	45	12
1/4"	10	15	51	17
3/8"	10	15,3	52	19
1/2"	10	20	58	24
1/8"	12	10	47	14
1/4"	12	15	53	17
3/8"	12	15,3	54	19
1/2"	12	20	60	24
1/8"	14	10	52	17
1/4"	14	15	57	17
3/8"	14	15,3	58	19
1/2"	14	20	64	24
1/4"	16	15	62	19
3/8"	16	15,3	62	22
1/2"	16	20	69	27
3/4"	16	20	74	36
1/8"	1/4"	10	40	12
1/4"	1/4"	15	46	17
3/8"	1/4"	15,3	47	19
1/2"	1/4"	20	48	24
1/8"	3/8"	10	47	12
1/4"	3/8"	15	53	17
3/8"	3/8"	15,3	54	19
1/2"	3/8"	20	60	24
1/8"	1/2"	10	50	14
1/4"	1/2"	15	56	17
3/8"	1/2"	15,3	57	19
1/2"	1/2"	20	63	24

Straight welding adaptor (Series 3W) with connection for pipe (Series 2N)

3



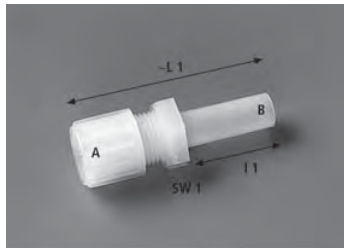
Article-Nr	Connection A	Connection B	Material
3W100PN0311PV	D1/8"	D1/4"	PVDF
3W100PN0343PT	D1/8"	D06	PTFE
3W100PN0511PV	D1/4"	D1/4"	PVDF
3W100PN1511PP	D1/2"	D1/4"	PP
3W100PN4011PF	D06	D1/4"	PFA
3W100PN4011PT	D06	D1/4"	PTFE
3W100PN4043PP	D06	D06	PP
3W100PN4315PF	D08	D3/8"	PFA
3W100PN4315PT	D08	D3/8"	PTFE
3W100PN4348PF	D08	D10	PFA
3W100PN4548PV	D10	D10	PVDF
3W100PN4851PP	D12	D12	PP
3W100PN4851PV	D12	D12	PVDF
3W100PN4855PP	D12	D16	PP
3W100PN4855PV	D12	D16	PVDF
3W100PN5355PP	D16	D16	PP
3W100PN6162PV	D25	D25	PVDF

Dimensions 3W100PN. . .

A(D)	B(D)	l1	~L1	SW1
4	4	20	41	12
6	6	23	56	17
8	8	26	60	19
10	10	30	67	22
12	12	32	73	24
14	14	36	78	27
16	16	40	83	30
18	18	42	93	32
20	20	45	96	32
22	22	45	104	36
25	25	45	112	43
1/8"	1/8"	23	43	12
1/4"	1/4"	25	58	17
3/8"	3/8"	30	67	22
1/2"	1/2"	32	73	24
3/4"	3/4"	45	96	30

Straight welding adaptor (Series 3W) with connection for tube (Series 1A)

3



Article-Nr	Connection A	Connection B	Material
3W100TA0345PV	DN1/8"/ 1/4"	D08	PVDF
3W100TA0511PV	DN1/6"/ 1/4"	D1/4"	PVDF
3W100TA4043PP	DN04/06	D06	PP
3W100TA4043PV	DN04/06	D06	PVDF
3W100TA4045PN	DN04/06	D08	PP-NATUR
3W100TA4045PV	DN04/06	D08	PVDF
3W100TA4048PV	DN04/06	D10	PVDF
3W100TA4051PN	DN04/06	D12	PP-NATUR
3W100TA4051PP	DN04/06	D12	PP
3W100TA4051PV	DN04/06	D12	PVDF
3W100TA4059PP	DN04/06	D20	PP
3W100TA4245PV	DN05/08	D08	PVDF
3W100TA4255PV	DN05/08	D16	PVDF
3W100TA4343PV	DN06/08	D06	PVDF
3W100TA4345PN	DN06/08	D08	PP-NATUR
3W100TA4345PP	DN06/08	D08	PP
3W100TA4345PV	DN06/08	D08	PVDF
3W100TA4348PP	DN06/08	D10	PP
3W100TA4348PV	DN06/08	D10	PVDF
3W100TA4351PN	DN06/08	D12	PP-NATUR
3W100TA4351PV	DN06/08	D12	PVDF
3W100TA4359PN	DN06/08	D20	PP-NATUR
3W100TA4443PV	DN06/10	D06	PVDF
3W100TA4448PV	DN06/10	D10	PVDF
3W100TA4451PV	DN06/10	D12	PVDF
3W100TA4548PP	DN08/10	D10	PP
3W100TA4548PV	DN08/10	D10	PVDF
3W100TA4559PN	DN08/10	D20	PP-NATUR
3W100TA4559PP	DN08/10	D20	PP
3W100TA4651PP	DN08/12	D12	PP
3W100TA4651PV	DN08/12	D12	PVDF
3W100TA4751PP	DN09/12	D12	PP
3W100TA4751PV	DN09/12	D12	PVDF
3W100TA4759PP	DN09/12	D20	PP
3W100TA4759PV	DN09/12	D20	PVDF
3W100TA4848PV	DN10/12	D10	PVDF
3W100TA4851PN	DN10/12	D12	PP-NATUR
3W100TA4851PP	DN10/12	D12	PP
3W100TA4851PV	DN10/12	D12	PVDF
3W100TA4859PN	DN10/12	D20	PP-NATUR
3W100TA4859PP	DN10/12	D20	PP
3W100TA4859PV	DN10/12	D20	PVDF
3W100TA4865PP	DN10/12	D32	PP
3W100TA5355PP	DN14/16	D16	PP
3W100TA5659PP	DN16/20	D20	PP
3W100TA5759PV	DN18/20	D20	PVDF

Dimensions 3W100TA... , 3W100TC...

A(DN)	B(D)	l1	~L1	SW
4/6	6	23	45	14
6/8	8	26	53	17
6/10	10	30	61	17
8/10	10	30	61	19
8/12	12	32	67	22
10/12	12	32	67	22
10/14	14	36	77	24
12/14	14	36	77	24
12/16	16	40	82	27
14/16	16	40	82	27
14/18	18	42	89	27
16/18	18	42	89	27

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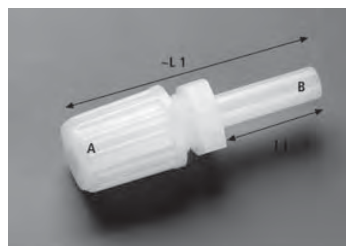
Straight welding adaptor (Series 3W) with
connection for tube (Series 1A)

3

A(DN)	B(D)	l1	~L1	SW
16/20	20	45	97	32
18/20	20	45	97	32
1/6"/1/4"	1/4"	23	47	14
1/4"/3/8"	3/8"	26	53	17
3/8"/1/2"	1/2"	32	67	22
5/8"/3/4"	3/4"	45	97	32

Straight welding adaptor (Series 3W) with connection for tube (Series 1D)

3



Article-Nr	Connection A	Connection B	Material
3W100TD0359PN	D1/4"	D20	PP-NATUR
3W100TD0359PP	D1/4"	D20	PP
3W100TD0359PV	D1/4"	D20	PVDF
3W100TD0362PP	D1/4"	D25	PP
3W100TD0362PV	D1/4"	D25	PVDF
3W100TD1159EC	D3/8"	D20	ECTFE
3W100TD1159PN	D3/8"	D20	PP-NATUR
3W100TD1159PP	D3/8"	D20	PP
3W100TD1159PV	D3/8"	D20	PVDF
3W100TD1162PN	D3/8"	D25	PP-NATUR
3W100TD1162PV	D3/8"	D25	PVDF
3W100TD1165PN	D3/8"	D32	PP-NATUR
3W100TD1516PV	D1/2"	D1/2"	PVDF
3W100TD1559EC	D1/2"	D20	ECTFE
3W100TD1559PN	D1/2"	D20	PP-NATUR
3W100TD1559PP	D1/2"	D20	PP
3W100TD1559PV	D1/2"	D20	PVDF
3W100TD1562PN	D1/2"	D25	PP-NATUR
3W100TD1562PP	D1/2"	D25	PP
3W100TD1562PV	D1/2"	D25	PVDF
3W100TD1565PN	D1/2"	D32	PP-NATUR
3W100TD1565PV	D1/2"	D32	PVDF
3W100TD1575PV	D1/2"	D40	PVDF
3W100TD2059PN	D3/4"	D20	PP-NATUR
3W100TD2059PP	D3/4"	D20	PP
3W100TD2059PV	D3/4"	D20	PVDF
3W100TD2062PN	D3/4"	D25	PP-NATUR
3W100TD2062PV	D3/4"	D25	PVDF
3W100TD2065PN	D3/4"	D32	PP-NATUR
3W100TD2065PV	D3/4"	D32	PVDF
3W100TD2075PV	D3/4"	D40	PVDF
3W100TD2462PF	D1"	D25	PFA
3W100TD2462PV	D1"	D25	PVDF
3W100TD2465PN	D1"	D32	PP-NATUR
3W100TD2465PP	D1"	D32	PP
3W100TD2465PV	D1"	D32	PVDF

Dimensions 3W100TD...

A(D)	B(D)	l1	~L1	SW1
1/4"	20	38,1	81	24
1/4"	25	38,1	82,4	32
3/8"	20	38,1	84	24
3/8"	25	38,1	85,4	32
1/2"	20	38,1	86,4	27
1/2"	25	38,1	86,4	32
1/2"	32	38,1	87,1	43
1/2"	40	38,1	88,1	46
3/4"	20	38,1	90,4	32
3/4"	25	38,1	90,4	32
3/4"	32	38,1	91,1	43
3/4"	40	38,1	91,1	43
1"	25	38,1	98,1	43
1"	32	38,1	98,1	43

Elbow welding adaptor (Series 3W) with connection for pipe (Series 2N)

3



Article-Nr	Connection A	Connection B	Material
3W200PN3840PV	D04	D04	PVDF
3W200PN4043PN	D06	D06	PP-NATUR
3W200PN4043PP	D06	D06	PP
3W200PN4043PV	D06	D06	PVDF
3W200PN4345PP	D08	D08	PP
3W200PN4345PT	D08	D08	PTFE
3W200PN4543PV	D10	D06	PVDF
3W200PN4545PV	D10	D08	PVDF
3W200PN4548PF	D10	D10	PFA
3W200PN4548PT	D10	D10	PTFE
3W200PN4548PV	D10	D10	PVDF
3W200PN4811PF	D12	D1/4"	PFA
3W200PN4851PF	D12	D12	PFA
3W200PN4851PP	D12	D12	PP
3W200PN4851PV	D12	D12	PVDF
3W200PN5355PP	D16	D16	PP
3W200PN5759PV	D20	D20	PVDF

Dimensions 3W200PN. . .

A(D)	B(D)	l1	~L14	~L15	ØD3
4	4	20	26	31	13
6	6	23	39	37	15
8	8	26	40	39	15
10	10	30	45	45	20
12	12	32	49	48	20
14	14	36	51	54	25
16	16	40	53	60	30
18	18	42	59	62	30
20	20	45	59	65	30
22	22	45	67	70	45
25	25	45	68	70	45
1/8"	1/8"	20	26	30	15
1/4"	1/4"	23	39	35	15
3/8"	3/8"	30	45	45	20
1/2"	1/2"	32	49	48	20
3/4"	3/4"	36	59	61	30

Elbow welding adaptor (Series 3W) with connection for tube (Series 1A)

3



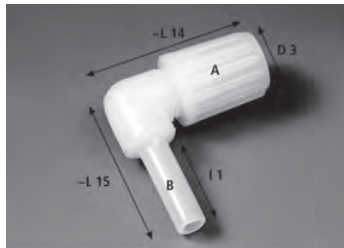
Article-Nr	Connection A	Connection B	Material
3W200TA0511PP	DN1/6"/ 1/4"	D1/4"	PP
3W200TA4043PP	DN04/06	D06	PP
3W200TA4043PV	DN04/06	D06	PVDF
3W200TA4045PP	DN04/06	D08	PP
3W200TA4045PV	DN04/06	D08	PVDF
3W200TA4343PV	DN06/08	D06	PVDF
3W200TA4345PN	DN06/08	D08	PP-NATUR
3W200TA4345PP	DN06/08	D08	PP
3W200TA4345PV	DN06/08	D08	PVDF
3W200TA4545PP	DN08/10	D08	PP
3W200TA4548PN	DN08/10	D10	PP-NATUR
3W200TA4548PP	DN08/10	D10	PP
3W200TA4548PV	DN08/10	D10	PVDF
3W200TA4645PV	DN08/12	D08	PVDF
3W200TA4651PP	DN08/12	D12	PP
3W200TA4751PP	DN09/12	D12	PP
3W200TA4851PN	DN10/12	D12	PP-NATUR
3W200TA4851PP	DN10/12	D12	PP
3W200TA4851PV	DN10/12	D12	PVDF
3W200TA4953PP	DN10/14	D14	PP
3W200TA5153PP	DN10/14	D14	PP
3W200TA5659PP	DN16/20	D20	PP

Dimensions 3W200TA... , 3W200TC...

A(DN)	B(D)	l1	~L14	~L15	ØD3
4/6	6	23	25	32	13
6/8	8	26	30	38	15
6/10	10	30	36	42	20
8/10	10	30	36	42	20
8/12	12	32	40	44	20
10/12	12	32	40	44	20
10/14	14	36	48	51	25
12/14	14	36	48	51	25
12/16	16	40	50	55	25
14/16	16	40	50	55	25
14/18	18	42	55	59	30
16/18	18	42	55	59	30
16/20	20	45	57	61	30
18/20	20	45	57	61	30
1/6"/1/4"	1/4"	23	27	31	13
1/4"/3/8"	3/8"	26	38	38	20
3/8"/1/2"	1/2"	32	45	47	20
5/8"/3/4"	3/4"	45	59	62	30

Elbow welding adaptor (Series 3W) with connection for tube (Series 1D)

3



Article-Nr	Connection A	Connection B	Material
3W200TD1559PV	D1/2"	D20	PVDF
3W200TD2062PV	D3/4"	D25	PVDF

Dimensions 3W200TD. . .

A(D)	B(D)	l1	~L14	~L15	ØD3
1/4"	20	30	59,5	60,5	25
1/4"	25	30	62	63	30
3/8"	20	30	62,5	60,5	25
3/8"	25	30	65	63	30
1/2"	20	30	63,5	60,5	25
1/2"	25	30	66	63	30
3/4"	20	30	71	64	30
3/4"	25	30	71	64	30
1"	25	30	91,5	77,5	45

T-welding adaptor (Series 3W) with connection for pipe (Series 2N)

3



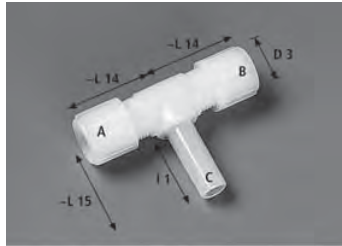
Article-Nr	Connection A	Connection B	Material
3W300PN0511PF	D1/4"	D1/4"	PFA
3W300PN4043PP	D06	D06	PP
3W300PN4043PT	D06	D06	PTFE
3W300PN4043PV	D06	D06	PVDF
3W300PN4345PP	D08	D08	PP
3W300PN4345PT	D08	D08	PTFE
3W300PN4548PV	D10	D10	PVDF
3W300PN5355PP	D16	D16	PP

Dimensions 3W300PN. . .

A(D)	B(D)	C(D)	l1	~L14	~L15	ØD3
4	4	4	20	26	31	13
6	6	6	23	39	35	15
8	8	8	26	40	39	15
10	10	10	30	45	45	20
12	12	12	32	49	48	20
14	14	14	36	51	54	25
16	16	16	40	53	60	30
18	18	18	42	59	62	30
20	20	20	45	59	65	30
22	22	22	45	67	70	45
25	25	25	45	68	70	45
1/8"	1/8"	1/8"	20	28	32	15
1/4"	1/4"	1/4"	23	39	35	15
3/8"	3/8"	3/8"	30	45	45	20
1/2"	1/2"	1/2"	32	48	47	20
3/4"	3/4"	3/4"	36	59	56	30

T-welding adaptor (Series 3W) with connection for tube (Series 1A)

3

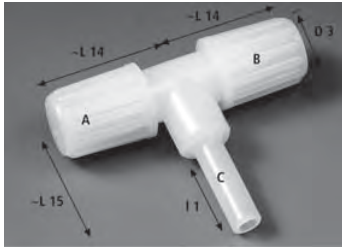


Article-Nr	Connection A	Connection B	Connection C	Material
3W300TA0511PP	DN1/6"/ 1/4"	DN1/6"/ 1/4"	D1/4"	PP
3W300TA4043PP	DN04/06	DN04/06	D06	PP
3W300TA4043PV	DN04/06	DN04/06	D06	PVDF
3W300TA4345PN	DN06/08	DN06/08	D08	PP-NATUR
3W300TA4345PP	DN06/08	DN06/08	D08	PP
3W300TA4345PV	DN06/08	DN06/08	D08	PVDF
3W300TA4548PP	DN08/10	DN08/10	D10	PP
3W300TA4851PP	DN10/12	DN10/12	D12	PP

Dimensions 3W300TA... , 3W300TC...

A(DN)	B(DN)	C(D)	l1	~L14	~L15	ØD3
4/6	4/6	6	23	25	32	13
6/8	6/8	8	26	30	38	15
6/10	6/10	10	30	36	42	20
8/10	8/10	10	30	36	42	20
8/12	8/12	12	32	43	44	20
10/12	10/12	12	32	43	44	20
10/14	10/14	14	36	48	51	25
12/14	12/14	14	36	48	51	25
12/16	12/16	16	40	50	55	25
14/16	14/16	16	40	50	55	25
14/18	14/18	18	42	55	59	30
16/18	16/18	18	42	55	59	30
16/20	16/20	20	45	57	62	30
18/20	18/20	20	45	57	62	30
1/6"/1/4"	1/6"/1/4"	1/4"	23	27	31	13
1/4"/3/8"	1/4"/3/8"	3/8"	26	38	38	20
3/8"/1/2"	3/8"/1/2"	1/2"	32	45	47	20
5/8"/3/4"	5/8"/3/4"	3/4"	45	59	62	30

T-welding adaptor (Series 3W) with connection for tube (Series 1D)



Article-Nr	Connection A	Connection B	Connection C	Material
3W300TD2059PV	D3/4"	D3/4"	D20	PVDF

Dimensions 3W300TD...

A(D)	B(D)	C(D)	l1	~L14	~L15	ØD3
1/4"	1/4"	20	30	47	48	25
1/4"	1/4"	25	30	47	48	30
3/8"	3/8"	20	30	50	48	25
3/8"	3/8"	25	30	50	48	30
1/2"	1/2"	20	30	51	48	25
1/2"	1/2"	25	30	51	48	30
3/4"	3/4"	20	30	57	50	30
3/4"	3/4"	25	30	57	50	30
1"	1"	25	30	69	55	45



Demanding flow meter tasks require competent partners. The Series 4 provides the optimal flow meter for the specific application – reliable and easy to use. Here safety in the application has priority. Our flow meters all work on the float principle and due to their technical properties are suitable for the exact measurement of gases and liquids. The highest operational reliability is required particularly when handling aggressive media. Only high-quality materials are used on all Series 4 models: The measuring tube made of Duran® glass and the materials (PP, PVDF, PFA or PTFE) for parts in contact with the media enable solutions to be provided for a very wide range of applications. The Series 4 product range includes flow meters with a standard measuring tube. These are economical and versatile. Individual “custom” solutions to suit the media, pressure, temperature, density, viscosity and measuring range specified by the customer with an appropriate special measuring tube are also available.



Flow meter 4A 493
 Flow meter 4A for individual measuring ranges. Versatile connection options – at the back and on the side. With fine control valve. Measurement acquisition possible.



Control unit 4F 497
 The Control unit sets and regulates constant flow rates. It comprise a digital three-level controller with microprocessor, a flowmeter with light barrier and a fine control valve with an electrical actuator.



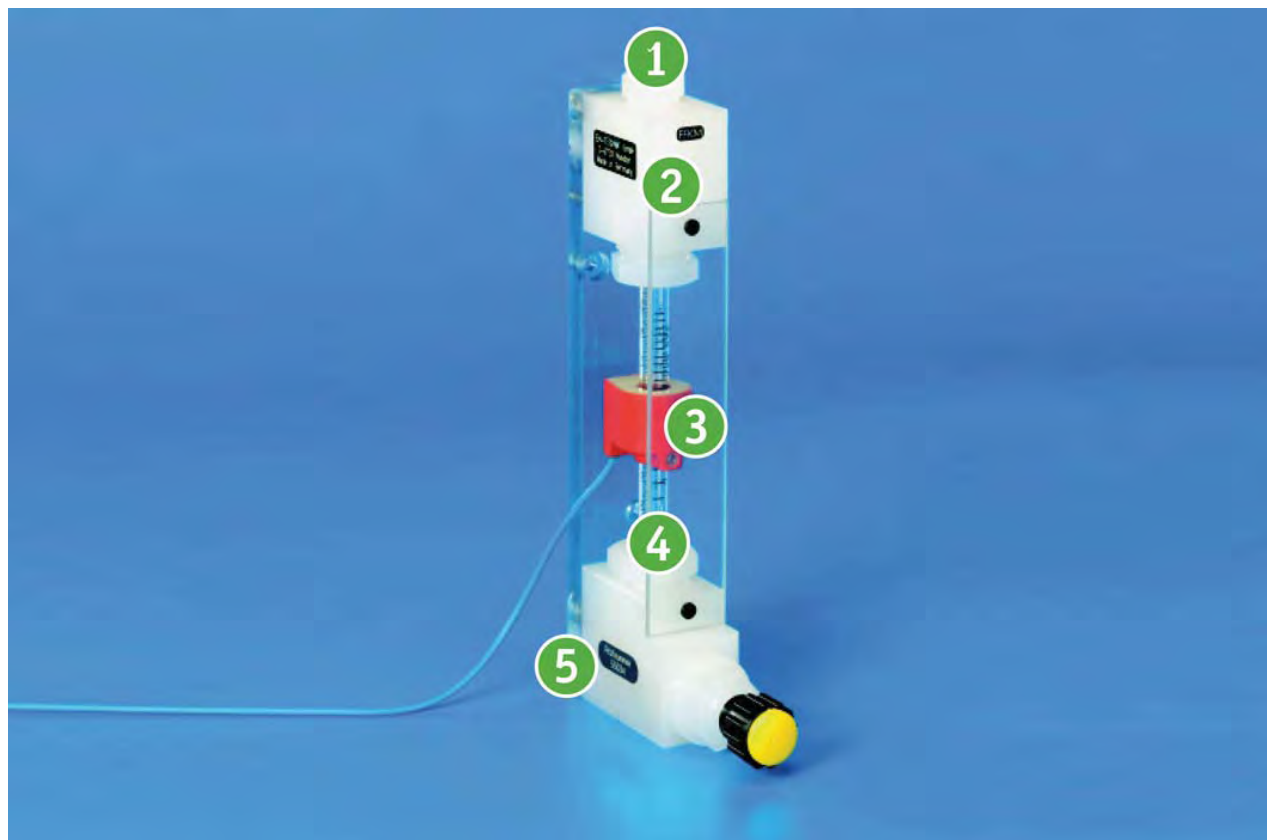
Flow meter 4L 499
 Series 4L Flow meter with fine control valve for standard ranges. With versatile rear connection types especially for panel mounting or wall mounting. Individual measuring ranges or measurement acquisition possible. Please ask.



Mini flow meter 4M 503
 Especially for smallest flowrates in the laboratory sector.



Flow meter 4R 505
 Especially for inline installation with integrated connectors for flexible tube.

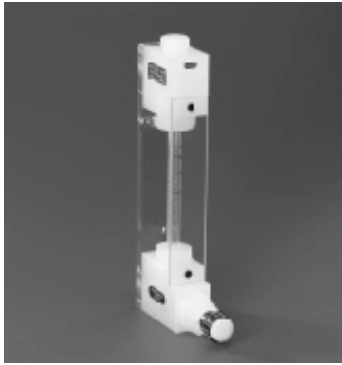


- 1) Glass change possible when installed ⇒ To the side ⇒ To the top
- 2) Housing made of PVDF and PTFE ⇒ Very high media resistance
- 3) Measurement acquisition on request ⇒ Annular proximity switch ⇒ Photoelectric sensor
- 4) Float made of various materials with soft iron core or magnet ⇒ Different forms of measurement acquisition possible
- 5) Versatile connection options, side or rear ⇒ Variable applications

The Series 4A flow meters provide versatile connection options – at the back and on the side. Only special measuring tubes are used; these are individually manufactured to customer specification. Due to their design, series 4A flow meters are particularly suitable for panel mounting and wall mounting. The glass tube can be changed without problems after installation. For measurement acquisition the devices can be supplied with annular proximity switches or photoelectric switches on request.

Flowmeter (Series 4A) with rear female G-thread and valve

4



Article-Nr	Connection	Flow rate	Medium	Material
4A100XXX1PT	G1/4"	?	?	PTFE
4A100XXX1PV	G1/4"	?	?	PVDF

Materials Series 4

	4L1...- 4L2...	4L5...	4K1...- 4K4...	4K5...	4A...
Housing	PP, PVDF, PFA	PP, PVDF, PFA	PP, PVDF, PFA	PP, PVDF, PFA	PVDF, PTFE
Spindle	PCTFE	PTFE	PCTFE	PTFE	PTFE
O-ring*	FPM	FPM	FPM	FPM	FPM
Measuring tube	Duran® glass	Duran® glass	Duran® glass	Duran® glass	Duran® glass
Float air	glass	PP	on request	on request	on request
Float water	stainless steel	stainless steel	on request	on request	on request
Protective tube/shield	PMMA	PMMA	PMMA	PMMA	PMMA

* EPDM, FFKM on request

Dimensions 4A...

	G	DN	L	L1	L2	L3	L4	L6	L7	B1	B2	h	d1
4A100G.G., 4A101G... 4A103G...	1/4"	-	212	10	~125	33	175	61	90	30	18	21	
4A201	G	-	212	10	~125	33	175	61	90	35	23	21	
4A110G.G., 4A111G... 4A113G...	1/4"	-	212	10	~125	33	175	61	90	30	18	21	33
4A211	G	4/6	212	10	~125	33	175	61	90	35	23	21	

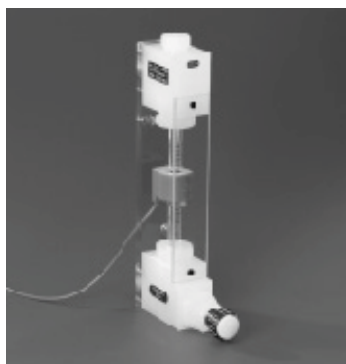
Ø 5,5 Ø 5,5 Ø 5,5 4A210G... 4A210T... G 1/4" 4/6 ~125 Ø 5,5

Dimensions 4A...

	G	DN	L	L1	L2	L3	L4	L6	L7	B1	B2	h	d1
4A100G.G., 4A101G... 4A103G...	1/4"	-	212	10	~125	33	175	61	90	30	18	21	Ø 5,5
4A201	G	-	212	10	~125	33	175	61	90	35	23	21	Ø 5,5
4A110G.G., 4A111G... 4A113G...	1/4"	-	212	10	~125	33	175	61	90	30	18	21	Ø 5,5
4A211	G	4/6	212	10	~125	33	175	61	90	35	23	21	Ø 5,5

Flow meter (Series 4A) with rear female G-thread and valve. With annular proximity switch.

4



Article-Nr	Connection	Flow rate	Medium	Material
4A100XXX2PT	G1/4"	?	?	PTFE
4A100XXX2PV	G1/4"	?	?	PVDF

Materials Series 4

	4L1...- 4L2...	4L5...	4K1...- 4K4...	4K5...	4A...
Housing	PP, PVDF, PFA	PP, PVDF, PFA	PP, PVDF, PFA	PP, PVDF, PFA	PVDF, PTFE
Spindle	PCTFE	PTFE	PCTFE	PTFE	PTFE
O-ring*	FPM	FPM	FPM	FPM	FPM
Measuring tube	Duran® glass	Duran® glass	Duran® glass	Duran® glass	Duran® glass
Float air	glass	PP	on request	on request	on request
Float water	stainless steel	stainless steel	on request	on request	on request
Protective tube/shield	PMMA	PMMA	PMMA	PMMA	PMMA

Dimensions 4A...

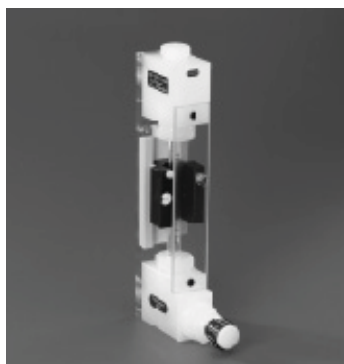
	G	DN	L	L1	L2	L3	L4	L6	L7	B1	B2	h	d1
4A100G, G, 4A101G, ... 1/4"			212	10	~125	33	175	61	90	30	18	21	
4A201 G 1/4"			212	10	~125	33	175	61	90	35	23	21	
4A110G, G, 4A111G, ... 1/4"			212	10	~125	33	175	61	90	30	18	21	33
	175	61	90	35	23								

Dimensions 4A...

	G	DN	L	L1	L2	L3	L4	L6	L7	B1	B2	h	d1
4A100G, G, 4A101G, ... 1/4"			212	10	~125	33	175	61	90	30	18	21	Ø 5,5
4A201 G 1/4"			212	10	~125	33	175	61	90	35	23	21	Ø 5,5
4A110G, G, 4A111G, ... 1/4"			212	10	~125	33	175	61	90	30	18	21	Ø 5,5
4A211 G 1/4"	4/6		212	10	~125	33	175	61	90	35	23	21	Ø 5,5

Flow meter (Series 4A) with rear female G-thread and valve. With light barrier.

4



Article-Nr	Connection	Flow rate	Medium	Material
4A100XXX3PT	G1/4"	?	?	PTFE
4A100XXX3PV	G1/4"	?	?	PVDF

Materials Series 4

	4L1...- 4L2...	4L5...	4K1...- 4K4...	4K5...	4A...
Housing	PP, PVDF, PFA	PP, PVDF, PFA	PP, PVDF, PFA	PP, PVDF, PFA	PVDF, PTFE
Spindle	PCTFE	PTFE	PCTFE	PTFE	PTFE
O-ring*	FPM	FPM	FPM	FPM	FPM
Measuring tube	Duran® glass	Duran® glass	Duran® glass	Duran® glass	Duran® glass
Float air	glass	PP	on request	on request	on request
Float water	stainless steel	stainless steel	on request	on request	on request
Protective tube/shield	PMMA	PMMA	PMMA	PMMA	PMMA

Dimensions 4A...

	G	DN	L	L1	L2	L3	L4	L6	L7	B1	B2	h	d1
4A100G, G, 4A101G, ... 4A103G ... 1/4"			212	10	~125	33	175	61	90	30	18	21	
4A201 1/4"	G	-	212	10	~125	33	175	61	90	35	23	21	
4A110G, G, 4A111G, ... 4A113G ... 1/4"			212	10	~125	33	175	61	90	30	18	21	33
	175	61	90	35	23								

Dimensions 4A...

	G	DN	L	L1	L2	L3	L4	L6	L7	B1	B2	h	d1
4A100G, G, 4A101G, ... 4A103G ... 1/4"			212	10	~125	33	175	61	90	30	18	21	Ø 5,5
4A201 1/4"	G	-	212	10	~125	33	175	61	90	35	23	21	Ø 5,5
4A110G, G, 4A111G, ... 4A113G ... 1/4"			212	10	~125	33	175	61	90	30	18	21	Ø 5,5
4A211 1/4"	G	4/6	212	10	~125	33	175	61	90	35	23	21	Ø 5,5



- 1) Electrical fine control valve 5E113F ⇒ precise and reproducible adjustments using the electrical actuator, ⇒ highly accurate control due to linear flow rate characteristic
- 2) μ -processor-regulated control unit with percentage indication of opening
- 3) Series 4A or 4L flowmeters for individual measuring ranges

There are applications in which it is imperative to maintain constant flow rates. Effects such as pressure or temperature fluctuations, as well as density or viscosity changes in the medium can change flow rates and as a result cause problems in processes. Particularly on the use of aggressive gaseous media or in applications in an aggressive environment it was very difficult in the past to ensure constant flow rates. With the newly developed intelligent control unit, errors can now also be detected automatically under difficult conditions and reliably regulated. The control unit FC4 comprises several components: the flow meter, a photoelectric switch, a precision metering valve with electrical actuator and the digital three-point controller with microprocessor. During the development of the new control unit, only fittings and components with high media resistance and that are highly suitable for use with aggressive media were used. Application-specific requirements can be taken into account; integrated fittings made of various high quality plastics are available depending on the application. As a result the control unit is optimally suited for applications with aggressive gaseous media.

The principle of operation is simple: The required flow rate is set by adjusting the photoelectric switch on the flow meter measuring tube. If the flow rate varies, the variation is signalled to the controller by the photoelectric switch; the controller immediately triggers an automatic correction via the upstream precision metering valve. Furthermore, special buttons on the controller make it possible for the user to quickly intervene manually. The control unit FC4 is suitable for flow rate ranges from 4 – 1.600 l/h with air and 2,5 – 100 l/h with water.



Article-Nr	Connection	Flowrate	Media	Material
4F3687	G1/4"	?	? ? ?	

Materials Series 4

	4L1... – 4L2... –	4L5... –	4K1... – 4K4... –	4K5... –	4A... –
Housing	PP, PVDF, PFA	PP, PVDF, PFA	PP, PVDF, PFA	PP, PVDF, PFA	PVDF, PTFE
Spindle	PCTFE	PTFE	PCTFE	PTFE	PTFE
O-ring*	FPM	FPM	FPM	FPM	FPM
Measuring tube	Duran® glass	Duran® glass	Duran® glass	Duran® glass	Duran® glass
Float air	glass	PP	on request	on request	on request
Float water	stainless steel	stainless steel	on request	on request	on request
Protective tube/shield	PMMA	PMMA	PMMA	PMMA	PMMA

Technical data 4F... .

Control unit FC4	
Housing	PC/ASA, green, low flammability, self-extinguishing (V0 according to UL 94)
Front	IP 40 protection (IEC 529 and CEI 70-1)
Fastening	snap-on housing for easy assembly on EN-supporting rails
Connection	plug-in screw-in terminal block, 0,2 – 2,5 mm ²
Dimensions	75 x 90 x 105 mm (H x B x T)
Display	two-digit 7-segment display (LED)
Power supply unit	24 V AC, 50 Hz +/- 10%
Output	~ 12 VA
Flowmeters	Flowmeters are available for the following flow rates:
	4 – 1,600 l/h for gases
	2,5 – 100 l/h for liquids
	For more technical details, please see the appropriate product pages in our catalogue
Electrical actuator	
Size	80 x 145 mm without valve
Weight	500 g without valve
Motor	synchronous motor with standard voltages 230 V/50 Hz, 24 V/50 Hz
Capacity	2,3 VA
Reduction ratio	37,5:1
Torque	30 Ncm
Limit switch	micro switch on both sides, adjustable for 1 – 20 rotation
Position signal	via potentiometer 0 – 500 Ω, Lin +/- 0,25%
Seal	spindle is sealed twice upwards
Ambient temperature	- 25 °C up to + 70 °C
Protection	IP 65
Connection	cable gland

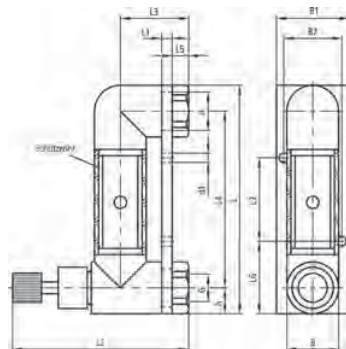


- 1) Housing made of PP, PVDF and PFA ⇒ Very high media resistance
- 2) Easy to dismantle ⇒ Straightforward glass change ⇒ Simple to clean
- 3) Measuring tube made of Duran® glass ⇒ high corrosion resistance
- 4) All sealing surfaces and threads are seam-less
- 5) Precision metering valve as standard ⇒ also very small measuring ranges can be regulated

The Series 4L flow meters are particularly suitable for installation in switch panels and for wall mounting due to their design. All sealing surfaces and threads are seam-less. The standard measuring tubes available make them suitable for many measuring ranges. For the improved safety of the user against glass breakage, protective tubes made of PMMA are also used.

Flowmeter (Series 4L) with rear female G-thread and valve

4



Article-Nr	Connection	Flow rate	Medium	Material
4L100G140318PFFK	G1/8"	4-40/h	Air	PFA/FFKM
4L100G140318PFFP	G1/8"	4-40/h	Air	PFA/FPM
4L100G140318PPFP	G1/8"	4-40/h	Air	PP/FPM
4L100G140318PVEP	G1/8"	4-40/h	Air	PVDF/EPDM
4L100G140318PVFP	G1/8"	4-40/h	Air	PVDF/FPM
4L100G150318PFFK	G1/8"	10-100/h	Air	PFA/FFKM
4L100G150318PFFP	G1/8"	10-100/h	Air	PFA/FPM
4L100G150318PPFP	G1/8"	10-100/h	Air	PP/FPM
4L100G150318PVEP	G1/8"	10-100/h	Air	PVDF/EPDM
4L100G150318PVFP	G1/8"	10-100/h	Air	PVDF/FPM
4L200G170414PFFP	G1/4"	2,5-25/h	H ₂ O	PFA/FPM
4L200G170414PPFP	G1/4"	2,5-25/h	H ₂ O	PP/FPM
4L200G170414PVFP	G1/4"	2,5-25/h	H ₂ O	PVDF/FPM
4L200G180414PPEP	G1/4"	4-40/h	H ₂ O	PP/EPDM
4L200G180414PPFP	G1/4"	4-40/h	H ₂ O	PP/FPM
4L200G180414PVFP	G1/4"	4-40/h	H ₂ O	PVDF/FPM
4L200G230414PPFP	G1/4"	10-100/h	H ₂ O	PP/FPM
4L200G230414PVFP	G1/4"	10-100/h	H ₂ O	PVDF/FPM
4L200G270414PFFP	G1/4"	160-1600/h	Air	PFA/FPM
4L200G270414PPEP	G1/4"	160-1600/h	Air	PP/EPDM
4L200G270414PPFP	G1/4"	160-1600/h	Air	PP/FPM
4L200G270414PVFP	G1/4"	160-1600/h	Air	PVDF/FPM
4L200G280414PFFK	G1/4"	40-400/h	Air	PFA/FFKM
4L200G280414PFFP	G1/4"	40-400/h	Air	PFA/FPM
4L200G280414PPFP	G1/4"	40-400/h	Air	PP/FPM
4L200G280414PVEP	G1/4"	40-400/h	Air	PVDF/EPDM
4L200G280414PVFP	G1/4"	40-400/h	Air	PVDF/FPM
4L500G240612PFFP	G1/2"	250-2500/h	Air	PFA/FPM
4L500G240612PPFP	G1/2"	250-2500/h	Air	PP/FPM
4L500G250612PFFP	G1/2"	600-6000/h	Air	PP/FPM
4L500G260612PFFP	G1/2"	25-250/h	H ₂ O	PP/FPM
4L500G260612PVFP	G1/2"	25-250/h	H ₂ O	PVDF/FPM
4L500G270612PFFP	G1/2"	60-600/h	H ₂ O	PFA/FPM
4L500G270612PPFP	G1/2"	60-600/h	H ₂ O	PP/FPM
4L500G270612PVFP	G1/2"	60-600/h	H ₂ O	PVDF/FPM

Materials Series 4

	4L1... - 4L2... -	4L5... -	4K1... - 4K4... -	4K5... -	4A... -
Housing	PP, PVDF, PFA	PP, PVDF, PFA	PP, PVDF, PFA	PP, PVDF, PFA	PVDF, PTFE
Spindle	PCTFE	PTFE	PCTFE	PTFE	PTFE
O-ring*	FPM	FPM	FPM	FPM	FPM
Measuring tube	Duran® glass	Duran® glass	Duran® glass	Duran® glass	Duran® glass
Float air	glass	PP	on request	on request	on request
Float water	stainless steel	stainless steel	on request	on request	on request
Protective tube/shield	PMMA	PMMA	PMMA	PMMA	PMMA

Dimensions 4L... -

	G / NPT	L	L1	L2	L3	L4	L5	L6	L7	B	B1	B2	h	d	d1
4L100G... 4L100N.../8"	100	5		~70	26	80	7	30	40	20	35	27	10		
4L2C 4L2C 1/4"	110	5		~85	33	85	8	35	40	25	35	28	12,5	170	10
58,5	95	42	42	33	21										

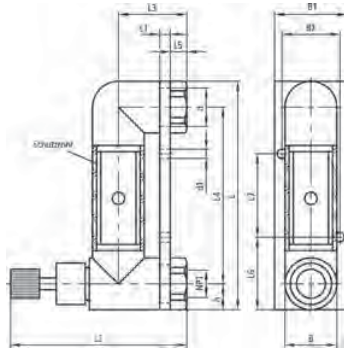
Ø 14 Ø 1,5 Ø 18,5 Ø 4,5 4L500G... - 4L500N... 1/2" ~133,5 Ø 26,5 Ø 5,5

Dimensions 4L...

	G / NPT	L	L1	L2	L3	L4	L5	L6	L7	B	B1	B2	h	d	d1
4L100G. . . , 4L100N/8".		100	5	~70	26	80	7	30	40	20	35	27	10	Ø 14	Ø 1,5
4L2C 4L2C 1/4"		110	5	~85	33	85	8	35	40	25	35	28	12,5	Ø 18,5	Ø 4,5
4L500G. . . , 4L500N/2".		212	5	~133,5	43	170	10	58.5	95	42	42	33	21	Ø 26,5	Ø 5,5

Flowmeter (Series 4L) with rear female NPT-thread and valve

4



Article-Nr	Connection	Flow rate	Medium	Material
4L100N140318PFFP	NPT1/8"	4-40l/h	Air	PFA/FPM
4L100N140318PVFP	NPT1/8"	4-40l/h	Air	PVDF/FPM
4L100N150318PFFP	NPT1/8"	10-100l/h	Air	PFA/FPM
4L100N150318PVFP	NPT1/8"	10-100l/h	Air	PP/FPM
4L100N150318PVFP	NPT1/8"	10-100l/h	Air	PVDF/FPM
4L200N170414PFFP	NPT1/4"	2,5-25l/h	H ₂ O	PFA/FPM
4L200N170414PVFP	NPT1/4"	2,5-25l/h	H ₂ O	PVDF/FPM
4L200N180414PFFP	NPT1/4"	4-40l/h	H ₂ O	PFA/FPM
4L200N180414PVFP	NPT1/4"	4-40l/h	H ₂ O	PVDF/FPM
4L200N230414PVFP	NPT1/4"	10-100l/h	H ₂ O	PVDF/FPM
4L200N280414PPFP	NPT1/4"	40-400l/h	Air	PP/FPM
4L200N280414PVFP	NPT1/4"	40-400l/h	Air	PVDF/FPM
4L500N250612PPFP	NPT1/2"	600-6000l/h	Air	PP/FPM
4L500N260612PVFP	NPT1/2"	25-250l/h	H ₂ O	PVDF/FPM
4L500N270612PPFP	NPT1/2"	60-600l/h	H ₂ O	PP/FPM
4L500N270612PVFP	NPT1/2"	60-600l/h	H ₂ O	PVDF/FPM

Materials Series 4

	4L1... - 4L2... -	4L5... -	4K1... - 4K4... -	4K5... -	4A... -
Housing	PP, PVDF, PFA	PP, PVDF, PFA	PP, PVDF, PFA	PP, PVDF, PFA	PVDF, PTFE
Spindle	PCTFE	PTFE	PCTFE	PTFE	PTFE
O-ring*	FPM	FPM	FPM	FPM	FPM
Measuring tube	Duran® glass	Duran® glass	Duran® glass	Duran® glass	Duran® glass
Float air	glass	PP	on request	on request	on request
Float water	stainless steel	stainless steel	on request	on request	on request
Protective tube/shield	PMMA	PMMA	PMMA	PMMA	PMMA

Dimensions 4L... -

	G / NPT	L	L1	L2	L3	L4	L5	L6	L7	B	B1	B2	h	d	d1
4L100G... , 4L100N/8"	100	5		~70	26	80	7	30	40	20	35	27	10		
4L2C 4L2C 1/4"	110	5		~85	33	85	8	35	40	25	35	28	12,5	170	10
58.5	95	42	42	33	21										

Dimensions 4L... -

	G / NPT	L	L1	L2	L3	L4	L5	L6	L7	B	B1	B2	h	d	d1
4L100G... , 4L100N/8"	100	5		~70	26	80	7	30	40	20	35	27	10	∅ 14	∅ 1,5
4L2C 4L2C 1/4"	110	5		~85	33	85	8	35	40	25	35	28	12,5	∅ 18,5	∅ 4,5
4L500G... , 4L500N/2"	212	5		~133,5	43	170	10		95	42	42	33	21	∅ 26,5	∅ 5,5

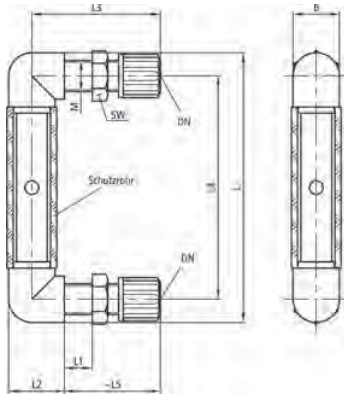


- 1) Housing made of PP and PVDF ⇒ High media resistance
- 2) Easy to disassemble
- 3) Measuring tube made of Duran® glass ⇒ High corrosion resistance

The 4M flow meter was especially developed for the smallest flow rates. Due to its low height it is used particularly for the exact determination of smaller flow rates in the laboratory sector.

Mini-flow meter 4M with rear connection for flexible tube

4



Article-Nr	Connection	Flow rate	Medium	Material
4M100T0140PNFP10	DN04/06	0,2-2,0l/min	Air	PP-NATUR/FPM
4M100T0140PPFP10	DN04/06	0,2-2,0l/min	Air	PP/FPM
4M100T0140PVFP10	DN04/06	0,2-2,0l/min	Air	PVDF/FPM

Materials Series 4

	4L1... - 4L2... -	4L5... -	4K1... - 4K4... -	4K5... -	4A... -
Housing	PP, PVDF, PFA	PP, PVDF, PFA	PP, PVDF, PFA	PP, PVDF, PFA	PVDF, PTFE
Spindle	PCTFE	PTFE	PCTFE	PTFE	PTFE
O-ring*	FPM	FPM	FPM	FPM	FPM
Measuring tube	Duran® glass	Duran® glass	Duran® glass	Duran® glass	Duran® glass
Float air	glass	PP	on request	on request	on request
Float water	stainless steel	stainless steel	on request	on request	on request
Protective tube/shield	PMMA	PMMA	PMMA	PMMA	PMMA

Dimensions 4M... -

	M	L	L1	L2	L3	L4	L5	B	SW
4M100T... 10x1	~87	9	18	~41,5	71	~31	15		

Dimensions 4M... -

	M	L	L1	L2	L3	L4	L5	B	SW
4M100T... 10x1	~87	9	18	~41,5	71	~31	15	14	

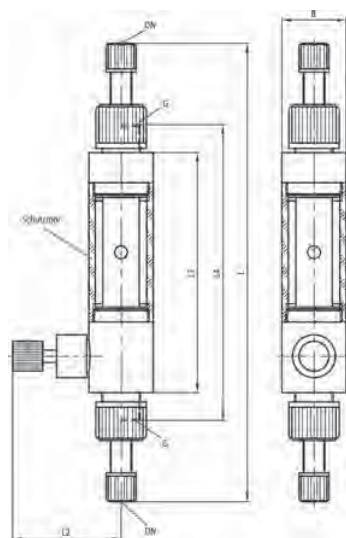


- 1) Can be installed directly in pipes ⇒ Integrated flexible tube connection, Series 1A
- 2) Straightforward replacement of the flow meter
- 3) Straightforward replacement of the glass tube ⇒ Easy to clean
- 4) Housing made of PP, PVDF and PFA ⇒ High media resistance
- 5) All sealing surfaces and threads are seam-less

On the Series 4R flow meters all sealing surfaces and threads are seam-less. Due to their special design they can be installed directly in pipes. Device replacement is straightforward and problem-free. The standard measuring tubes available make them suitable for many measuring ranges. For the improved safety of the user against glass breakage, protective tubes made of PMMA are also used.

Flow meter (Series 4R) for inline installation with connection for tube and valve

4



Article-Nr	Connection	Flow rate	Medium	Material
4R100T1440PPEP	DN04/06	4-40l/h	Air	PP/EPDM
4R100T1440PPFP	DN04/06	4-40l/h	Air	PP/FPM
4R100T1440PVFK	DN04/06	4-40l/h	Air	PVDF/FFKM
4R100T1440PVFP	DN04/06	4-40l/h	Air	PVDF/FPM
4R100T1540PPFP	DN04/06	10-100l/h	Air	PP/FPM
4R100T1540PVFP	DN04/06	10-100l/h	Air	PVDF/FPM
4R200T1740PVFP	DN04/06	2,5-25l/h	H ₂ O	PVDF/FPM
4R200T1840PPFP	DN04/06	4-40l/h	H ₂ O	PP/FPM
4R200T1840PVFP	DN04/06	4-40l/h	H ₂ O	PVDF/FPM
4R200T2340PPFP	DN04/06	10-100l/h	H ₂ O	PP/FPM
4R200T2340PVFP	DN04/06	10-100l/h	H ₂ O	PVDF/FPM
4R200T2740PPFP	DN04/06	160-1600l/h	Air	PP/FPM
4R200T2840PFFK	DN04/06	40-400l/h	Air	PFA/FFKM
4R200T2840PPFP	DN04/06	40-400l/h	Air	PFA/FPM
4R200T2840PPFP	DN04/06	40-400l/h	Air	PP/FPM
4R200T2840PVFK	DN04/06	40-400l/h	Air	PVDF/FFKM
4R200T2840PVFP	DN04/06	40-400l/h	Air	PVDF/FPM

Materials Series 4

	4L1...- 4L2...-	4L5...-	4K1...- 4K4...-	4K5...-	4A...-
Housing	PP, PVDF, PFA	PP, PVDF, PFA	PP, PVDF, PFA	PP, PVDF, PFA	PVDF, PTFE
Spindle	PCTFE	PTFE	PCTFE	PTFE	PTFE
O-ring*	FPM	FPM	FPM	FPM	FPM
Measuring tube	Duran® glass	Duran® glass	Duran® glass	Duran® glass	Duran® glass
Float air	glass	PP	on request	on request	on request
Float water	stainless steel	stainless steel	on request	on request	on request
Protective tube/shield	PMMA	PMMA	PMMA	PMMA	PMMA

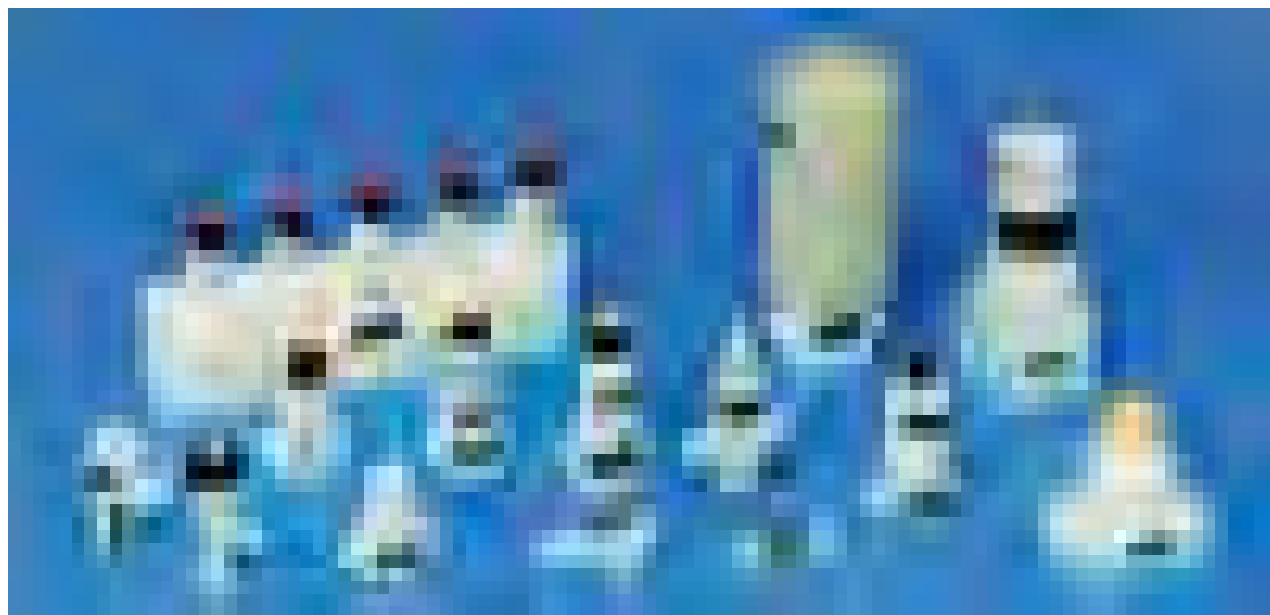
Dimensions 4R...-

	M	L	L2	L4	L7	B	DN
4R100T...-	14x1,5	~200	~45	130	105		
4R200T...-	135	110					

Ø 20 4/6 18x1,5 ~210 ~50 Ø 30 4/6

Dimensions 4R...-

	M	L	L2	L4	L7	B	DN
4R100T...-	14x1,5	~200	~45	130	105	Ø 20	4/6
4R200T...-	18x1,5	~210	~50	135	110	Ø 30	4/6



The Series 5 valves are available in a large number of different variants. You are looking for a valve to shutoff, regulate, protect or distribute – no problem when using our overview. Unlike the other Series, we have structured the Series 5 by valve function for a better overview. In this way you can easily find the right valve for your specific application. The Series 5 valves are available in a large variety of materials. They are thus very suitable for the usage of aggressive media.



Regulation valves 5A 510
 For regulating gas and liquid flow. In block form with mounting wholes.



Shut-off valves 5A 515
 By screwing the spindle the media flow is reliably shut-off.



Venting valves 5A 524
 For venting harmless gases, for drawing off aggressive media or for special drainage on manifolds.



Fine control valves 5A 528
 For regulation of even the smallest flow rate with high precision.



Transmitter valves 5A 532
 Special valve blocks for providing the safe connection of system pipes to differential pressure transducers (transmitters).



Safety valves 5A 534
 For protecting the control air system against media flow back on leaks.



Pressure keeping valves 5D 536
 To remove overpressure produced during operating or for system-related reasons.



Single-hand operated valve 5H 541
 For easily taking samples using flexible tubes.



Regulation valves 5L 543
 For regulating gas and liquid flow. For panel mounting.



Diaphragm valves 5P 547
To be used in practice as shut-off or as safety valves.



Check valves 5R 549
For preventing media from flowing back into a system, or to protect devices against blow back.

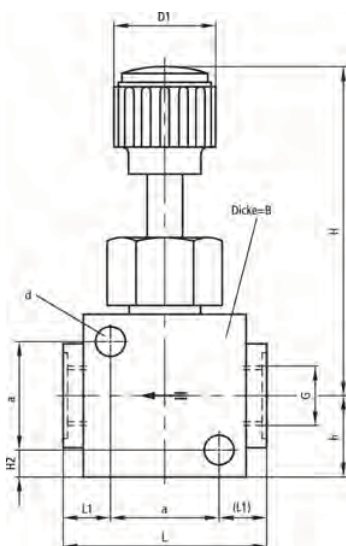


- 1) Panel mounting
- 2) Regulation and shut-off possible due to special design
- 3) Thread seam-less in accordance with DIN, USAS or JIS ⇒ Numerous connection options
- 4) Series 5L: particularly light and compact design
- 5) Series 5L: housing made of PP, PVDF and PFA ⇒ High media resistance
- 6) Series 5A: housing made of PP, PVDF and PTFE ⇒ High media resistance
- 7) Maintenance-free design ⇒ For long-term usage

Wherever gas and liquid flows must be regulated, the Series 5 regulation valves are the ideal partner: they are available in different materials for usage with aggressive media. They have a female thread on both ends and can thus be used with various connecting elements from the EM-TECHNIK modular system. The Series 5L regulation valves are light and compact due to their special design. As standard they are intended for panel mounting. The Series 5A regulation valves have been in our product range for years. Today they are predominantly in demand in PTFE.

Regulation valve (Series 5A), straight, with female G-thread, in block form

5



Article-Nr	Nominal Diameter	Connection A	Connection B	Material
5A111G0414PKFP	DN04	G1/4"	G1/4"	PEEK/FPM
5A111G0414PPFP	DN04	G1/4"	G1/4"	PP/FPM
5A111G0414PTFK	DN04	G1/4"	G1/4"	PTFE/FFKM
5A111G0414PTFP	DN04	G1/4"	G1/4"	PTFE/FPM
5A111G0414PVFP	DN04	G1/4"	G1/4"	PVDF/EPDM
5A111G0414PVFK	DN04	G1/4"	G1/4"	PVDF/FPM
5A111G0812PPFP	DN08	G1/2"	G1/2"	PP/FPM
5A111G0812PTFP	DN08	G1/2"	G1/2"	PTFE/FPM
5A111G0812PVFK	DN08	G1/2"	G1/2"	PVDF/FFKM
5A111G0812PVFP	DN08	G1/2"	G1/2"	PVDF/FPM
5A111G1012PPFP	DN10	G1/2"	G1/2"	PP/FPM
5A111G1012PTFK	DN10	G1/2"	G1/2"	PTFE/FFKM
5A111G1012PTFP	DN10	G1/2"	G1/2"	PTFE/FPM
5A111G1534PPEP	DN15	G3/4"	G3/4"	PP/EPDM
5A111G1534PPFP	DN15	G3/4"	G3/4"	PP/FPM

Dimensions 5A111. . .

	G	L	L1	H	H2	h	a	D1	d	B
5A111G. . . 1/4"	G	45	10.5	~73	6	18	24	22.5	6.6	24
5A111C 1/2"	G	66	16	~117	7	24	34	30.5	6.6	30
5A111N. . . 1/4"	NPT	50	13	~73	6	18	24	22.5	6.6	24
5A111N 1/2"	NPT	75	20.5	~117	7	24	34	30.5	6.6	30

Materials 5A111G. . ., 5A111N. . .

	PP	PVDF	PTFE
Housing	PP	PVDF	PTFE
Spindle	PTFE	PTFE	PTFE
O-ring*	FPM	FPM	FPM

* EPDM, FFKM on request

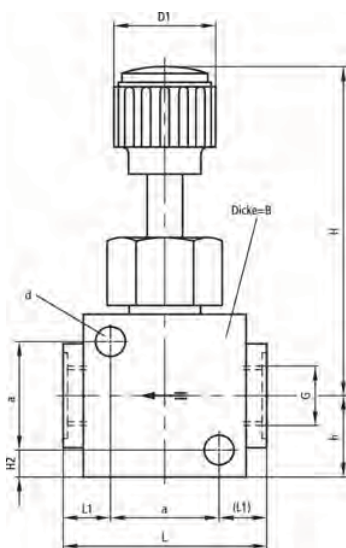
Technical data 5A111G. . ., 5A111N. . .

	PP	PVDF	PTFE
Max. media temperature*	90 °C	120 °C	150 °C
Pressure stage	PN 10		
Kvs-value	1/4"	1/2"	
5A111G. . .	0.15 m ³ /h	1.1 m ³ /h	
5A111N. . .	0.15 m ³ /h	1.1 m ³ /h	

* Starting from the nominal pressure rating (at 20 °C), the permissible pressure reduces with increasing temperature!

Regulation valve (Series 5A), straight, with female NPT-thread, in block form

5



Article-Nr	Nominal Diameter	Connection A	Connection B	Material
5A111N0414PPEP	DN04	NPT1/4"	NPT1/4"	PP/EPDM
5A111N0414PPFP	DN04	NPT1/4"	NPT1/4"	PP/FPM
5A111N0414PTFK	DN04	NPT1/4"	NPT1/4"	PTFE/FFKM
5A111N0414PTFP	DN04	NPT1/4"	NPT1/4"	PTFE/FPM
5A111N0414PVFK	DN04	NPT1/4"	NPT1/4"	PVDF/FFKM
5A111N0414PVFP	DN04	NPT1/4"	NPT1/4"	PVDF/FPM
5A111N0812PVFP	DN08	NPT1/2"	NPT1/2"	PVDF/FPM
5A111N1012PTFP	DN10	NPT1/2"	NPT1/2"	PTFE/FPM
5A111N1012PVFP	DN10	NPT1/2"	NPT1/2"	PVDF/FPM

Dimensions 5A111. . .

	G	L	L1	H	H2	h	a	D1	d	B
5A111G. . . 1/4"	G	45	10.5	~73	6	18	24	22.5	6.6	24
5A111C 1/2"	G	66	16	~117	7	24	34	30.5	6.6	30
5A111N. . . 1/4"	NPT	50	13	~73	6	18	24	22.5	6.6	24
5A111N 1/2"	NPT	75	20.5	~117	7	24	34	30.5	6.6	30

Materials 5A111G. . ., 5A111N. . .

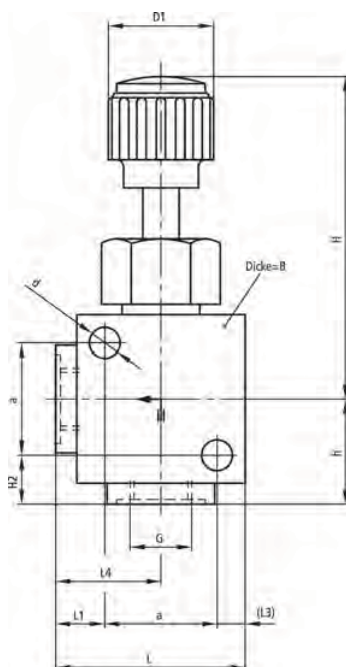
	PP	PVDF	PTFE
Housing			
Spindle	PTFE	PTFE	PTFE
O-ring*	FPM	FPM	FPM

Technical data 5A111G. . ., 5A111N. . .

	PP	PVDF	PTFE
Max. media temperature*	90°C	120°C	150°C
Pressure stage	PN 10		
Kvs-value	1/4"	1/2"	
5A111G. . .	0.15 m ³ /h	1.1 m ³ /h	
5A111N. . .	0.15 m ³ /h	1.1 m ³ /h	

Regulation valve (Series 5A), elbow, with female G-thread, in block form

5



Article-Nr	Nominal Diameter	Connection A	Connection B	Material
5A211G0414PPFP	DN04	G1/4"	G1/4"	PP/FPM
5A211G0414PVEP	DN04	G1/4"	G1/4"	PVDF/EPDM
5A211G0414PVFP	DN04	G1/4"	G1/4"	PVDF/FPM
5A211G0812PPFP	DN08	G1/2"	G1/2"	PP/FPM
5A211G0812PTFP	DN08	G1/2"	G1/2"	PTFE/FPM
5A211G1012PTFP	DN10	G1/2"	G1/2"	PTFE/FPM
5A211G1012PVFP	DN10	G1/2"	G1/2"	PVDF/FPM

Dimensions 5A211...

	G	L	L1	L3	L4	h	H	H2	a	D1	d	B1
5A211G...G 1/4"	40.5	10.5	6	22.5	22.5	~73	10.5	24	22.5	6.6	24	
5A211G...G 1/2"	57	16	7	33	33	~117	16	34	30.5	6.6	30	
5A211N... NPT 1/4"	45.5	13	8.5	25	22.5	~73	10.5	24	22.5	6.6	24	
5A211N... NPT 1/2"	66	20.5	11.5	37.5	33	~117	16	34	30.5	6.6	30	

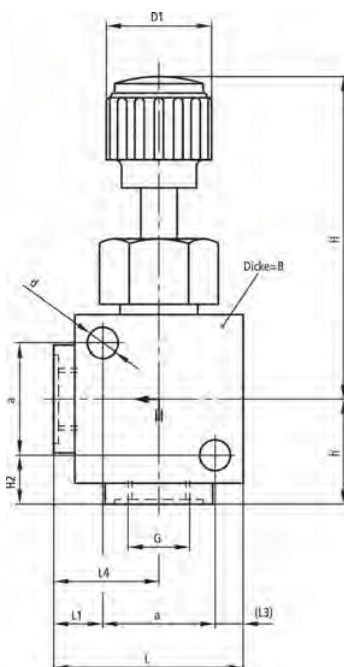
Technical data 5A211G..., 5A211N...

Max. media temperature*	PP	PVDF	PTFE
	90 °C	120 °C	150 °C
Pressure stage	PN 10		
Kvs-value	1/4"	1/2"	
5A211G...	0.15 m ³ /h	1.1 m ³ /h	
5A211N...	0.15 m ³ /h	1.1 m ³ /h	

*Starting from the nominal pressure rating (at 20 °C), the permissible pressure reduces with increasing temperature!

Regulation valve (Series 5A), elbow, with female NPT-thread, in block form

5



Article-Nr	Nominal Diameter	Connection A	Connection B	Material
5A211N0812PPFP	DN08	NPT1/2"	NPT1/2"	PP/FPM

Dimensions 5A211. . .

	G	L	L1	L3	L4	h	H	H2	a	D1	d	B1
5A211G. .G 1/4"		40.5	10.5	6	22.5	22.5	~73	10.5	24	22.5	6.6	24
5A211 G 1/2"		57	16	7	33	33	~117	16	34	30.5	6.6	30
5A211N. . . NPT 1/4"		45.5	13	8.5	25	22.5	~73	10.5	24	22.5	6.6	24
5A211 NPT 1/2"		66	20.5	11.5	37.5	33	~117	16	34	30.5	6.6	30

Technical data 5A211G. . . , 5A211N. . .

Max. media temperature*	PP	PVDF	PTFE
	90°C	120°C	150°C
Pressure stage	PN 10		
Kvs-value	1/4"	1/2"	
5A211G. . .	0.15 m ³ /h	1.1 m ³ /h	
5A211N. . .	0.15 m ³ /h	1.1 m ³ /h	

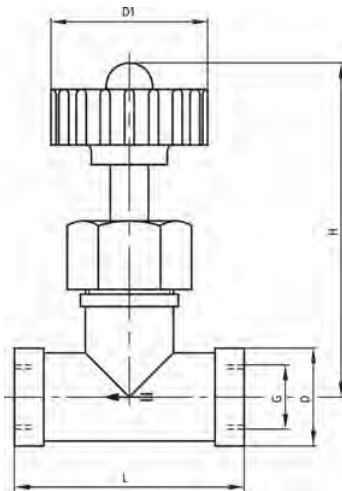


- 1) Housing made of PP, PVDF and PTFE ⇒ High media resistance
- 2) Seam-less G- and NPT-thread in accordance with DIN and USAS ⇒ Integration in the EM-TECHNIK modular system, numerous connection options
- 3) Tightness test in accordance with DIN 3230 ⇒ Very high quality control
- 4) Low wear valve seat
- 5) Flow optimised design
- 6) Suitable for wall mounting

The Series 5A shut-off valves are available in various variants – with straight or angled design. By screwing in the spindle the media flow is reliably shut-off. The valves are available in different materials for usage with aggressive media. They have a female thread on both sides and can thus be used with various connecting elements from the EM-TECHNIK modular system.

Shut-off valve (Series 5A), straight, with female G-thread

5



Article-Nr	Nominal Diameter	Connection A	Connection B	Material
5A100G0414PNEP	DN04	G1/4"	G1/4"	PP-NATUR/EPDM
5A100G0414PNFP	DN04	G1/4"	G1/4"	PP-NATUR/FPM
5A100G0414PPEP	DN04	G1/4"	G1/4"	PP/EPDM
5A100G0414PPFK	DN04	G1/4"	G1/4"	PP/FFKM
5A100G0414PPFP	DN04	G1/4"	G1/4"	PP/FPM
5A100G0414PVEP	DN04	G1/4"	G1/4"	PVDF/EPDM
5A100G0414PVFK	DN04	G1/4"	G1/4"	PVDF/FFKM
5A100G0414PVFP	DN04	G1/4"	G1/4"	PVDF/FPM
5A100G0414PVPT	DN04	G1/4"	G1/4"	PVDF
5A100G0638PNFP	DN06	G3/8"	G3/8"	PP-NATUR/FPM
5A100G0638PPEP	DN06	G3/8"	G3/8"	PP/EPDM
5A100G0638PPFP	DN06	G3/8"	G3/8"	PP/FPM
5A100G0638PVEP	DN06	G3/8"	G3/8"	PVDF/EPDM
5A100G0638PVFP	DN06	G3/8"	G3/8"	PVDF/FPM
5A100G0812PNFP	DN08	G1/2"	G1/2"	PP-NATUR/FPM
5A100G0812PPEP	DN08	G1/2"	G1/2"	PP/EPDM
5A100G0812PPFP	DN08	G1/2"	G1/2"	PP/FPM
5A100G0812PVFK	DN08	G1/2"	G1/2"	PVDF/FFKM
5A100G0812PVFP	DN08	G1/2"	G1/2"	PVDF/FPM
5A100G0812PVPT	DN08	G1/2"	G1/2"	PVDF

Dimensions 5A100...

	G	L	H	D	D1
5A100G...	G 1/4"	47	~68	20	32
5A100G...	G 3/8"	55	~100	24	63
5A100G...	G 1/2"	66	~106	28	63
5A100N...	NPT 1/4"	57	~68	20	32
5A100N...	NPT 1/2"	75	~106	28	63

Materials 5A100G... 5A100N...

Housing	PP	PVDF	PTFE
Spindle	PP	PVDF	PTFE
O-ring*	FPM	FPM	FPM

* EPDM, FFKM on request

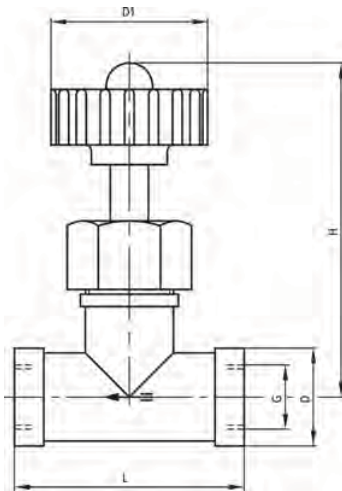
Technical data 5A100G..., 5A100N...

Max. media temperature*	PP	PVDF
	90°C	120°C
Pressure stage	PN 10	
Kvs-value	1/4"	3/8" 1/2"
5A100G...	0.4 m ³ /h	0.6 m ³ /h 1.2 m ³ /h
5A100N...	0.4 m ³ /h	./.

* Starting from the nominal pressure rating (at 20°C), the permissible pressure reduces with increasing temperature!

Shut-off valve (Series 5A), straight, with female NPT-thread

5



Article-Nr	Nominal Diameter	Connection A	Connection B	Material
5A100N0414PPFP	DN04	NPT1/4"	NPT1/4"	PP/FPM
5A100N0414PVFK	DN04	NPT1/4"	NPT1/4"	PVDF/FFKM
5A100N0414PVFP	DN04	NPT1/4"	NPT1/4"	PVDF/FPM
5A100N0812PNFP	DN08	NPT1/2"	NPT1/2"	PP-NATUR/FPM
5A100N0812PPFP	DN08	NPT1/2"	NPT1/2"	PP/FPM
5A100N0812PVFP	DN08	NPT1/2"	NPT1/2"	PVDF/FPM

Dimensions 5A100. . .

	G	L	H	D	D1
5A100G. . .	G 1/4"	47	~68	20	32
5A100G. . .	G 3/8"	55	~100	24	63
5A100G. . .	G 1/2"	66	~106	28	63
5A100N. . .	NPT 1/4"	57	~68	20	32
5A100N. . .	NPT 1/2"	75	~106	28	63

Materials 5A100G. . . 5A100N. . .

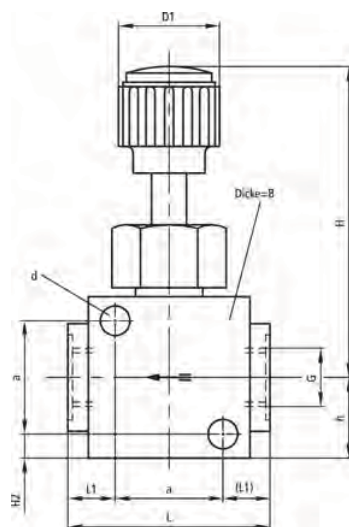
Housing	PP	PVDF	PTFE
Spindle	PP	PVDF	PTFE
O-ring*	FPM	FPM	FPM

Technical data 5A100G. . . , 5A100N. . .

Max. media temperature*	PP	PVDF	
	90°C	120°C	
Pressure stage	PN 10		
Kvs-value	1/4"	3/8"	1/2"
5A100G. . .	0.4 m ³ /h	0.6 m ³ /h	1.2 m ³ /h
5A100N. . .	0.4 m ³ /h	.	1.2 m ³ /h

Shut-off valve (Series 5A), straight, with female G-thread, in block form

5



Article-Nr	Nominal Diameter	Connection A	Connection B	Material
5A110G0414PPEP	DN04	G1/4"	G1/4"	PP/EPDM
5A110G0414PPFP	DN04	G1/4"	G1/4"	PP/FPM
5A110G0414PTFK	DN04	G1/4"	G1/4"	PTFE/FFKM
5A110G0414PTFP	DN04	G1/4"	G1/4"	PTFE/FPM
5A110G0414PVFP	DN04	G1/4"	G1/4"	PVDF/FPM
5A110G0812PPEP	DN08	G1/2"	G1/2"	PP/EPDM
5A110G0812PPFP	DN08	G1/2"	G1/2"	PP/FPM
5A110G0812PTFK	DN08	G1/2"	G1/2"	PTFE/FFKM
5A110G0812PTFP	DN08	G1/2"	G1/2"	PTFE/FPM
5A110G0812PVFP	DN08	G1/2"	G1/2"	PVDF/FPM
5A110G1012PPFP	DN10	G1/2"	G1/2"	PP/FPM
5A110G1012PTFK	DN10	G1/2"	G1/2"	PTFE/FPM
5A110G1012PVFP	DN10	G1/2"	G1/2"	PVDF/FPM

Dimensions 5A110...

	G	L	L1	H	H2	h	a	D1	d	B
5A110G... G 1/4"		45	10.5	~69	6	18	24	22.5	6.6	24
5A110C G 1/2"		66	16	~109	7	24	34	30.4	6.6	30
5A110N... NPT 1/4"		50	13	~69	6	18	24	22.5	6.6	24
5A110N NPT 1/2"		75	20.5	~109	7	24	34	30.4	6.6	30

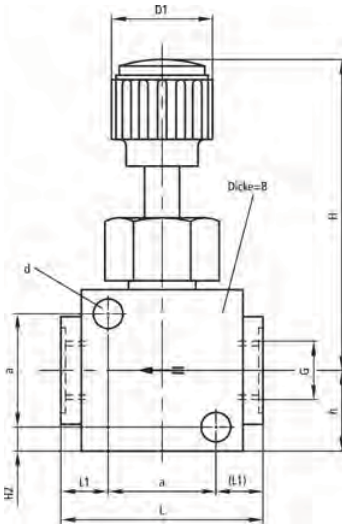
Technical data 5A110G..., 5A110N...

Max. media temperature*	PP	PVDF	PTFE
	90 °C	120 °C	150 °C
Pressure stage	PN 10		
Kvs-value	1/4"	1/2"	
5A110G...	0.3 m ³ /h	1.2 m ³ /h	
5A110N...	0.3 m ³ /h	1.2 m ³ /h	

* Starting from the nominal pressure rating (at 20 °C), the permissible pressure reduces with increasing temperature!

Shut-off valve (Series 5A), straight, with female NPT-thread, in block form

5



Article-Nr	Nominal Diameter	Connection A	Connection B	Material
5A110N0414PPFP	DN04	NPT1/4"	NPT1/4"	PP/FPM
5A110N0414PTFK	DN04	NPT1/4"	NPT1/4"	PTFE/FFKM
5A110N0414PTFP	DN04	NPT1/4"	NPT1/4"	PTFE/FPM
5A110N0414PVFP	DN04	NPT1/4"	NPT1/4"	PVDF/FPM
5A110N0812PTFP	DN08	NPT1/2"	NPT1/2"	PTFE/FPM

Dimensions 5A110. . .

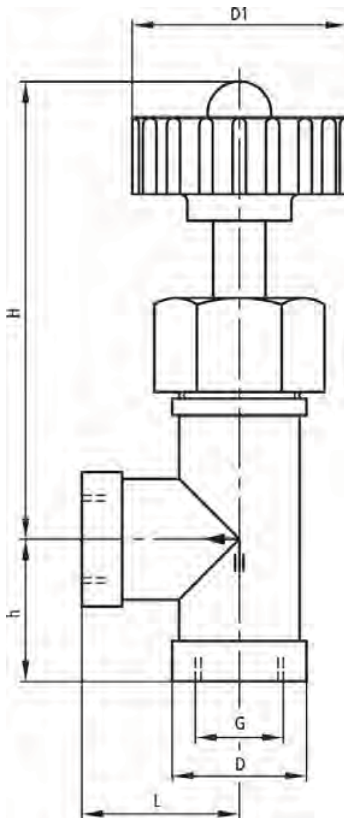
	G	L	L1	H	H2	h	a	D1	d	B
5A110G. . . 1/4"	G	45	10.5	~69	6	18	24	22.5	6.6	24
5A110C 1/2"	G	66	16	~109	7	24	34	30.4	6.6	30
5A110N. . . 1/4"	NPT	50	13	~69	6	18	24	22.5	6.6	24
5A110N 1/2"	NPT	75	20.5	~109	7	24	34	30.4	6.6	30

Technical data 5A110G. . ., 5A110N. . .

Max. media temperature*	PP	PVDF	PTFE
	90 °C	120 °C	150 °C
Pressure stage	PN 10		
Kvs-value	1/4"	1/2"	
5A110G. . .	0.3 m ³ /h	1.2 m ³ /h	
5A110N. . .	0.3 m ³ /h	1.2 m ³ /h	

Shut-off valve (Series 5A), elbow, with female G-thread

5



Article-Nr	Nominal Diameter	Connection A	Connection B	Material
5A200G0414PNFP	DN04	G1/4"	G1/4"	PP-NATUR/FPM
5A200G0414PPEP	DN04	G1/4"	G1/4"	PP/EPDM
5A200G0414PPFK	DN04	G1/4"	G1/4"	PP/FFKM
5A200G0414PPFP	DN04	G1/4"	G1/4"	PP/FPM
5A200G0414PVFK	DN04	G1/4"	G1/4"	PVDF/FFKM
5A200G0414PVFP	DN04	G1/4"	G1/4"	PVDF/FPM
5A200G0638PPFP	DN06	G3/8"	G3/8"	PP/FPM
5A200G0638PVFP	DN06	G3/8"	G3/8"	PVDF/FPM
5A200G0812PNFP	DN08	G1/2"	G1/2"	PP-NATUR/FPM
5A200G0812PPFP	DN08	G1/2"	G1/2"	PP/FPM
5A200G0812PVFP	DN08	G1/2"	G1/2"	PVDF/FPM

Dimensions 5A200. . .

	G	L	h	H	D	d1
5A200G. . .	G 1/4"	25.5	23	~68	20	Ø 32
5A200G. . .	G 3/8"	27.5	27.5	~100	24	Ø 63
5A200G. . .	G 1/2"	33	33	~106	27	Ø 63
5A200N. . .	NPT 1/4"	28.5	28.5	~68	20	Ø 32
5A200N. . .	NPT 1/2"	37.5	37.5	~106	24	Ø 63

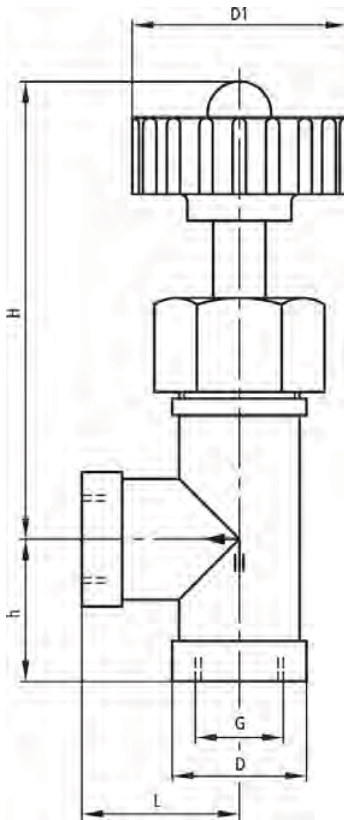
Technical data 5A200G. . ., 5A200N. . .

	Max. media temperature*		
	PP	PVDF	
	90 °C	120 °C	
Pressure stage	PN 10		
Kvs-value	1/4"	3/8"	1/2"
5A200G. . .	0.35 m ³ /h	0.5 m ³ /h	1.0 m ³ /h
5A200N. . .	0.35 m ³ /h	./.	1.0 m ³ /h

* Starting from the nominal pressure rating (at 20 °C), the permissible pressure reduces with increasing temperature!

Shut-off valve (Series 5A), elbow, with female NPT-thread

5



Article-Nr	Nominal Diameter	Connection A	Connection B	Material
5A200N0414PPEP	DN04	NPT1/4"	NPT1/4"	PP/EPDM
5A200N0414PPFP	DN04	NPT1/4"	NPT1/4"	PP/FPM
5A200N0414PVFP	DN04	NPT1/4"	NPT1/4"	PVDF/FPM
5A200N0812PNFP	DN08	NPT1/2"	NPT1/2"	PP-NATUR/FPM
5A200N0812PPFP	DN08	NPT1/2"	NPT1/2"	PP/FPM
5A200N0812PVFP	DN08	NPT1/2"	NPT1/2"	PVDF/FPM

Dimensions 5A200. . .

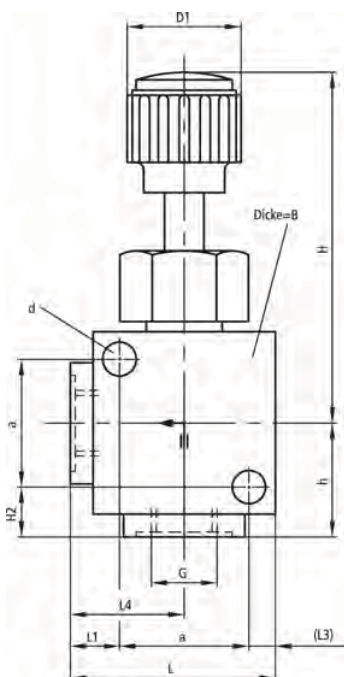
	G	L	h	H	D	d1
5A200G. . .	G 1/4"	25.5	23	~68	20	Ø 32
5A200G. . .	G 3/8"	27.5	27.5	~100	24	Ø 63
5A200G. . .	G 1/2"	33	33	~106	27	Ø 63
5A200N. . .	NPT 1/4"	28.5	28.5	~68	20	Ø 32
5A200N. . .	NPT 1/2"	37.5	37.5	~106	24	Ø 63

Technical data 5A200G. . ., 5A200N. . .

Max. media temperature*	PP	PVDF	
	90 °C	120 °C	
Pressure stage	PN 10		
Kvs-value	1/4"	3/8"	1/2"
5A200G. . .	0.35 m ³ /h	0.5 m ³ /h	1.0 m ³ /h
5A200N. . .	0.35 m ³ /h	./.	1.0 m ³ /h

Shut-off valve (Series 5A), elbow, with female G-thread, in block form

5



Article-Nr	Nominal Diameter	Connection A	Connection B	Material
5A210G0414PPFP	DN04	G1/4"	G1/4"	PP/FPM
5A210G0414PTFP	DN04	G1/4"	G1/4"	PTFE/FPM
5A210G0414PVFP	DN04	G1/4"	G1/4"	PVDF/FPM
5A210G0638PPFP	DN06	G3/8"	G3/8"	PP/FPM
5A210G0812PPFP	DN08	G1/2"	G1/2"	PP/FPM
5A210G0812PTFP	DN08	G1/2"	G1/2"	PTFE/FPM
5A210G0812PVFP	DN08	G1/2"	G1/2"	PVDF/FPM
5A210G1012PPFP	DN10	G1/2"	G1/2"	PP/FPM
5A210G1012PTFP	DN10	G1/2"	G1/2"	PTFE/FPM

Dimensions 5A210. . .

	G	L	L1	L3	L4	h	H	H2	a	D1	d	B
5A210G. .G 1/4"	40.5	10.5	6	22.5	22.5	~69	10.5	24	22.5	6.6	24	
5A21C G 1/2"	57	16	7	33	33	~109	16	34	30.5	6.6	30	
5A210N. . . NPT 1/4"	45.5	45.5	8.5	25	22.5	~69	10.5	24	22.5	6.6	24	
5A21C NPT 1/2"	66	66	11.5	37.5	33	~109	16	34	30.5	6.6	30	

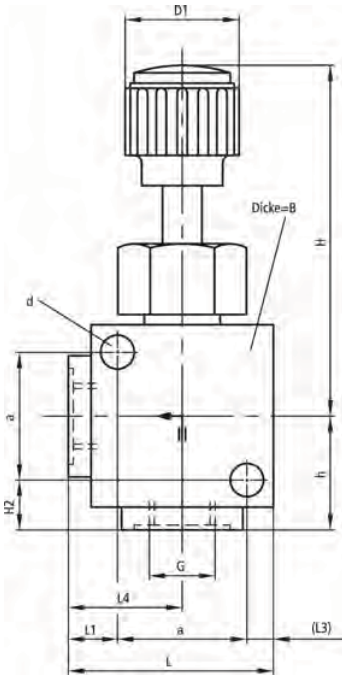
Technical data 5A210G. . . , 5A210N. . .

Max. media temperature*	PP	PVDF	PTFE
	90 °C	120 °C	150 °C
Pressure stage	PN 10		
Kvs-value	1/4"	1/2"	
5A210G. . .	0.28 m ³ /h	1.1 m ³ /h	
5A210N. . .	0.28 m ³ /h	1.1 m ³ /h	

* Starting from the nominal pressure rating (at 20 °C), the permissible pressure reduces with increasing temperature!

Shut-off valve (Series 5A), elbow, with female NPT-thread, in block form

5



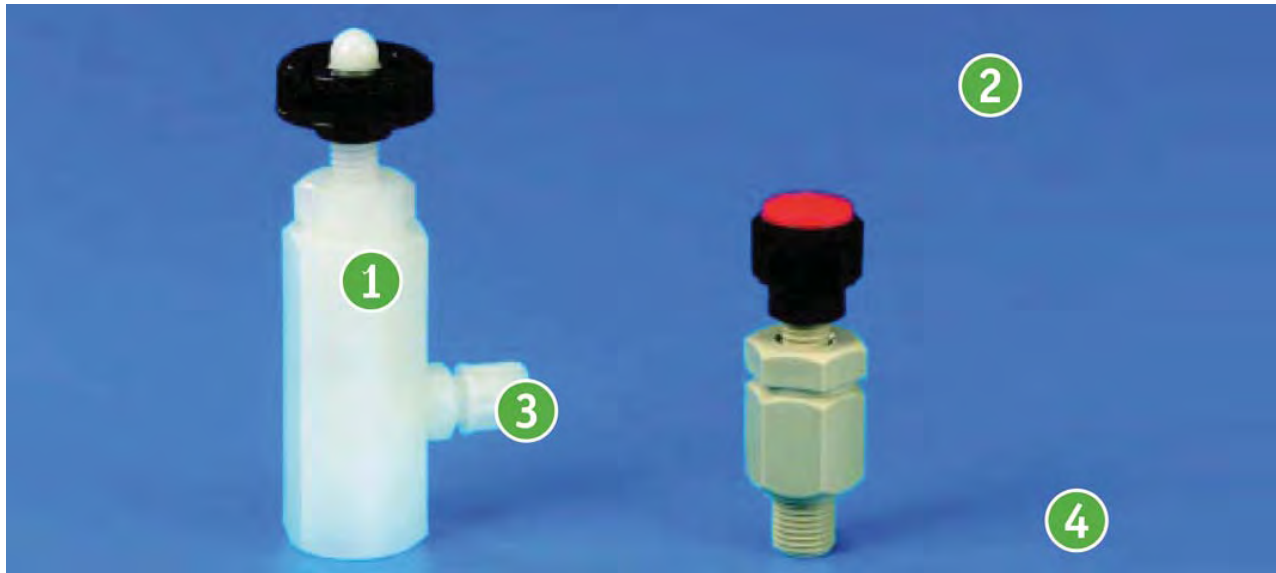
Article-Nr	Nominal Diameter	Connection A	Connection B	Material
5A210N0414PTFP	DN04	NPT1/4"	NPT1/4"	PTFE/FPM
5A210N1012PTFP	DN10	NPT1/2"	NPT1/2"	PTFE/FPM

Dimensions 5A210. . .

	G	L	L1	L3	L4	h	H	H2	a	D1	d	B
5A210G. .G 1/4"		40.5	10.5	6	22.5	22.5	~69	10.5	24	22.5	6.6	24
5A21C G 1/2"		57	16	7	33	33	~109	16	34	30.5	6.6	30
5A210N. . . NPT 1/4"		45.5	45.5	8.5	25	22.5	~69	10.5	24	22.5	6.6	24
5A21C NPT 1/2"		66	66	11.5	37.5	33	~109	16	34	30.5	6.6	30

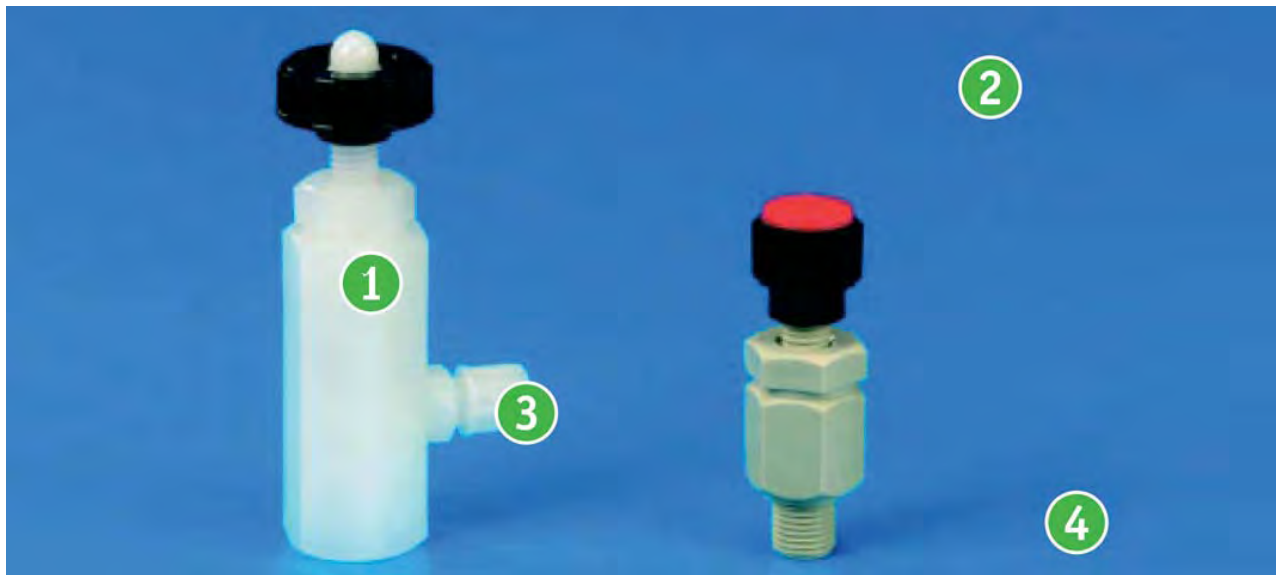
Technical data 5A210G. . . , 5A210N. . .

Max. media temperature*	PP	PVDF	PTFE
	90 °C	120 °C	150 °C
Pressure stage	PN 10		
Kvs-value	1/4"	1/2"	
5A210G. . .	0.28 m ³ /h	1.1 m ³ /h	
5A210N. . .	0.28 m ³ /h	1.1 m ³ /h	



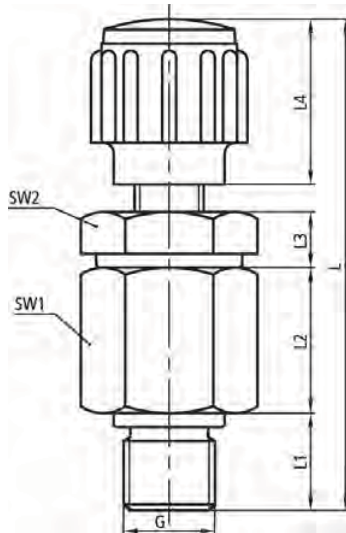
- 1) Sealing cone with O-ring ⇒ Very high tightness
- 2) Spring-return ⇒ Automatic flow direction change ⇒ Reliable protection of the control air system
- 3) As standard with seamless female thread ⇒ Numerous connection options
- 4) Short switching time ⇒ No return flow to control air inlet possible.

During the operation of pneumatic valves (diaphragm valves etc.) the protection of the control air system is of particular importance. The Series 5A compact safety valve reliably diverts media flow on leaks prior to the control air system. It works automatically and thus provides safety in the application.



- 1) Housing made of PP and PVDF ⇒ High media resistance
- 2) Any installation position
- 3) Integrated flexible tube connector DN 4/6 ⇒ Safe outlet on media discharge
- 4) Thread seam-less in accordance with DIN, USAS and JIS ⇒ Numerous connection options

The Series 5A venting valves are, depending on the design, suitable for the venting of unhazardous gases, for discharging aggressive media or also for special drainage of manifolds. Important for the application: the valves are only leak-proof in the fully open or fully closed state.



Article-Nr	Nominal Diameter	Connection A	Material
5A800MG0414PPFP	DN04	G1/4"	PP/FPM
5A800MG0812PPFP	DN08	G1/2"	PP/FPM

Dimensions 5A800. . .

	G	L	L1	L2	L3	L4	SW1	SW2
5A800MG. . . G 1/4"		~71	14	21	8	23.8	22	22
5A800MC G 1/2"		~74	17	20	10	23.8	27	27
5A800MN. . . NPT 1/4"		~74	15	23	8	23.8	22	22
5A800MN NPT 1/2"		~82	20	24	10	23.8	27	27

Materials 5A800. . . , 5A810. . .

	PP	PVDF
Housing	PP	PVDF
Spindle	PP	PVDF
O-ring*	FPM	FPM

* EPDM, FFKM on request

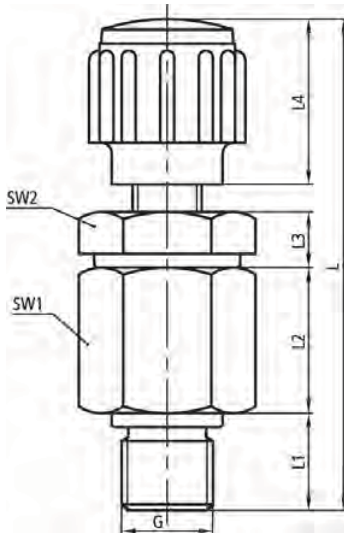
Technical data 5A800. . .

	PP
Max. media temperature*	90°C
Pressure stage	PN 10
Kvs-value	1/4" 1/2"
5A800MG. . .	0.5 m ³ /h 1.4 m ³ /h
5A800MN. . .	0.5 m ³ /h 1.4 m ³ /h

* Starting from the nominal pressure rating (at 20°C), the permissible pressure reduces with increasing temperature!

Venting valve (Series 5A), with male NPT-thread

5



Article-Nr	Nominal Diameter	Connection A	Material
5A800MN041PPFP	DN04	NPT1/4"	PP/FPM

Dimensions 5A800. . .

	G	L	L1	L2	L3	L4	SW1	SW2
5A800MG. . . G 1/4"	~71	14	21	8	23.8	22	22	
5A800MC G 1/2"	~74	17	20	10	23.8	27	27	
5A800MN. . . NPT 1/4"	~74	15	23	8	23.8	22	22	
5A800MN NPT 1/2"	~82	20	24	10	23.8	27	27	

Materials 5A800. . ., 5A810. . .

Housing	PP	PVDF
Spindle	PP	PVDF
O-ring*	FPM	FPM

Technical data 5A800. . .

Max. media temperature*	PP	90°C
Pressure stage	PN 10	
Kvs-value	1/4"	1/2"
5A800MG. . .	0.5 m ³ /h	1.4 m ³ /h
5A800MN. . .	0.5 m ³ /h	1.4 m ³ /h

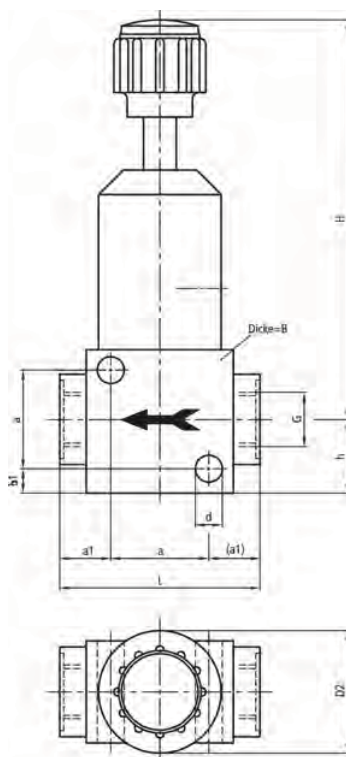


- 1) Spindle individually matched to the flow range
- 2) Linear flow rate characteristic ⇒ Very fine regulation
- 3) Due to special design very fine regulation and shutting off possible
- 4) Available with adjustment scale ⇒ Reproducible adjustments

The Series 5 precision metering valves regulate even the smallest flow rate with high precision. Worth mentioning is the exact, linear flow rate characteristic. Different spindle types, precisely matched to the media and the flow range, make numerous applications possible. Additional safety and reliability are achieved by means of the spindle thread outside the media flow. The precision metering valve is available in the materials PP, PVDF and PTFE and is suitable for the usage of aggressive media. Various types are available: the manually operated precision metering valve Series 5A is available with and without adjustment scale. At constant pressure and/or constant density, the adjustment scale enables liquid or gaseous flows to be exactly and reproducibly adjusted. Even more variable are the precision metering valves with electrical actuator Series 5E. The actuator can be opened and closed, stopped at any intermediate position and then opened or closed further – precise and reproducible for the specific application.

Fine control valve (Series 5A), straight, with female G-thread, without adjustment scale

5



Article-Nr	Nominal Diameter	Connection A	Connection B Flow rate Medium	Material
5A113G10414PPFP	DN04	G1/4"	G1/4" 3-150l/h Air	PP/FPM
5A113G10414PTFK	DN04	G1/4"	G1/4" 3-150l/h Air	PTFE/FFKM
5A113G10414PTFP	DN04	G1/4"	G1/4" 3-150l/h Air	PTFE/FPM
5A113G10414PVFK	DN04	G1/4"	G1/4" 3-150l/h Air	PVDF/FFKM
5A113G10414PVFP	DN04	G1/4"	G1/4" 3-150l/h Air	PVDF/FPM
5A113G20414PPFP	DN04	G1/4"	G1/4" 40-675l/h Air	PP/FPM
5A113G20414PTFP	DN04	G1/4"	G1/4" 40-675l/h Air	PTFE/FPM
5A113G20414PVFK	DN04	G1/4"	G1/4" 40-675l/h Air	PVDF/FFKM
5A113G20414PVFP	DN04	G1/4"	G1/4" 40-675l/h Air	PVDF/FPM
5A113G30414PPFP	DN04	G1/4"	G1/4" 80-1150l/h Air	PP/FPM
5A113G41012PPEP	DN10	G1/2"	G1/2" 500-3000l/h Air	PP/EPDM
5A113G41012PPFP	DN10	G1/2"	G1/2" 500-3000l/h Air	PP/FPM
5A113G50414PPEP	DN03	G1/4"	G1/4" 1-30l/h H ₂ O	PP/EPDM
5A113G50414PPFP	DN03	G1/4"	G1/4" 1-30l/h H ₂ O	PP/FPM
5A113G50414PTFK	DN03	G1/4"	G1/4" 1-30l/h H ₂ O	PTFE/FFKM
5A113G50414PTFP	DN03	G1/4"	G1/4" 1-30l/h H ₂ O	PTFE/FPM
5A113G50414PVFK	DN03	G1/4"	G1/4" 1-30l/h H ₂ O	PVDF/FFKM
5A113G50414PVFP	DN03	G1/4"	G1/4" 1-30l/h H ₂ O	PVDF/FPM
5A113G60414PPFP	DN04	G1/4"	G1/4" 10-100l/h H ₂ O	PP/FPM
5A113G60414PVFP	DN04	G1/4"	G1/4" 10-100l/h H ₂ O	PVDF/FPM
5A113G70414PPEP	DN04	G1/4"	G1/4" 10-200l/h H ₂ O	PP/EPDM
5A113G70414PPFP	DN04	G1/4"	G1/4" 10-200l/h H ₂ O	PP/FPM
5A113G70414PTFP	DN04	G1/4"	G1/4" 10-200l/h H ₂ O	PTFE/FPM
5A113G70414PVFP	DN04	G1/4"	G1/4" 10-200l/h H ₂ O	PVDF/FPM

.....continued on the next page

Fine control valve (Series 5A), straight, with female G-thread, without adjustment scale

5

Article-Nr	Nominal Diameter	Connection A	Connection B Flow rate Medium	Material
5A113G81012PPEP	DN10	G1/2"	G1/2" 50-500l/h H ₂ O	PP/EPDM
5A113G81012PPFP	DN10	G1/2"	G1/2" 50-500l/h H ₂ O	PP/FPM
5A113G81012PTFP	DN10	G1/2"	G1/2" 50-500l/h H ₂ O	PTFE/FPM
5A113G81012PVFP	DN10	G1/2"	G1/2" 50-500l/h H ₂ O	PVDF/FPM

Dimensions 5A113. . .

	G	D2	B	L	a	a1	b1	d	h	H
5A113. . . 1/4"	G	30	25	49	24	12.5	6	6.6	18	~98
5A113. 1/2"	G	30	30	66	34	16	7	6.6	24	~105

Materials 5A113. . ., 5A114. . .

	PP	PVDF	PTFE
Housing	PP	PVDF	PTFE
Spindle	PTFE	PTFE	PTFE
O-ring*	FPM	FPM	FPM

* EPDM, FFKM on request

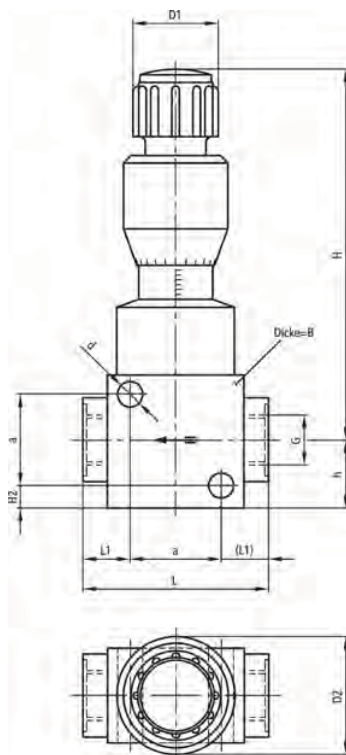
Technical data 5A113G. . .

	PP	PVDF	PTFE
Max. media temperature*	90°C	120°C	150°C
Pressure stage	PN 10		
Kvs-value	1/4"	1/2"	
5A113G1. . .	0.1 m ³ /h		
5A113G2. . .	0.2 m ³ /h		
5A113G3. . .	0.3 m ³ /h		
5A113G4. . .		0.5 m ³ /h	
5A113G5. . .	0.03 m ³ /h		
5A113G6. . .	0.1 m ³ /h		
5A113G7. . .	0.2 m ³ /h		
5A113G8. . .		0.5 m ³ /h	

* Starting from the nominal pressure rating (at 20°C), the permissible pressure reduces with increasing temperature! Flow range for air at P = 0.1 bar, 20°C Flow range for water at P = 1 bar, 20°C

Fine control valve (Series 5A), with female G-thread, with adjustment scale

5



Article-Nr	Nominal Diameter	Connection A	Connection B Flow rate Medium	Material
5A114G0314PPEP	DN03	G1/4"	G1/4" 1-30l/h H ₂ O	PP/EPDM
5A114G10414PPFP	DN04	G1/4"	G1/4" 3-150l/h Air	PP/FPM
5A114G10414PTFK	DN04	G1/4"	G1/4" 3-150l/h Air	PTFE/FFKM
5A114G10414PVFK	DN04	G1/4"	G1/4" 3-150l/h Air	PVDF/FFKM
5A114G30414PPFP	DN04	G1/4"	G1/4" 80-1150l/h Air	PP/FPM
5A114G50414PPFP	DN03	G1/4"	G1/4" 1-30l/h H ₂ O	PP/FPM
5A114G60414PVFP	DN04	G1/4"	G1/4" 10-100l/h H ₂ O	PVDF/FPM
5A114G70414PPFP	DN04	G1/4"	G1/4" 10-200l/h H ₂ O	PP/FPM
5A114G70414PTFP	DN04	G1/4"	G1/4" 10-200l/h H ₂ O	PTFE/FPM
5A114G81012PPFP	DN10	G1/2"	G1/2" 50-500l/h H ₂ O	PP/FPM
5A114G81012PTFP	DN10	G1/2"	G1/2" 50-500l/h H ₂ O	PTFE/FPM

Dimensions 5A114. . .

	G	L	L1	a	h	H	H2	D1	D2	d	B
5A114. . . G 1/4"		49	12.5	24	18	~98	6	22.5	31	6.6	25
5A114 G 1/2"		66	16	34	24	~118	7	22.5	31	6.6	30

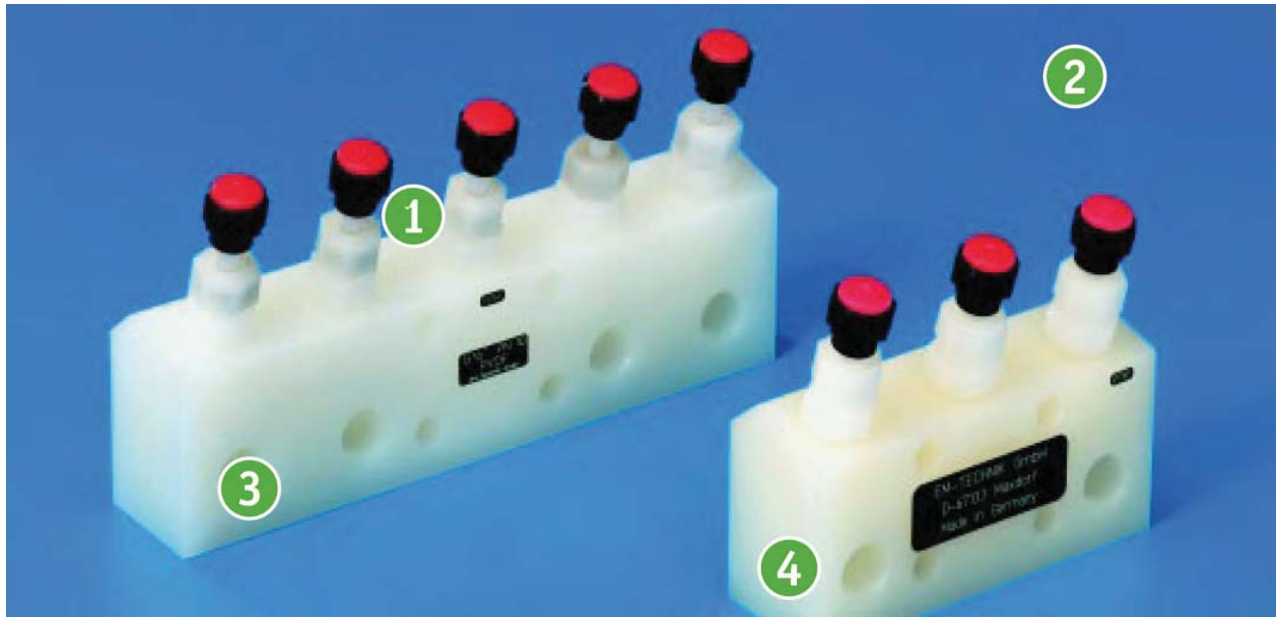
Materials 5A113. . . , 5A114. . .

	PP	PVDF	PTFE
Housing			
Spindle	PTFE	PTFE	PTFE
O-ring*	FPM	FPM	FPM

Technical data 5A114G. . .

	PP	PVDF	PTFE
Max. media temperature*	90 °C	120 °C	150 °C
Pressure stage	PN 10		
Kvs-value	1/4"	1/2"	
5A114G1. . .	0.1 m ³ /h		
5A114G2. . .	0.2 m ³ /h		
5A114G3. . .	0.3 m ³ /h		
5A114G4. . .		0.5 m ³ /h	
5A114G5. . .	0.03 m ³ /h		
5A114G6. . .	0.1 m ³ /h		
5A114G7. . .	0.2 m ³ /h		
5A114G8. . .		0.5 m ³ /h	

* Starting from the nominal pressure rating (at 20°C), the permissible pressure reduces with increasing temperature! Flow range for air at P = 0.1 bar, 20°C Flow range for water at P = 1 bar, 20°C

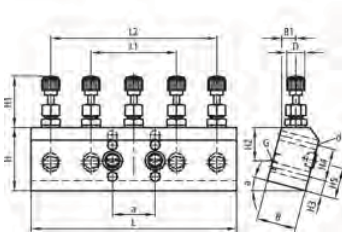
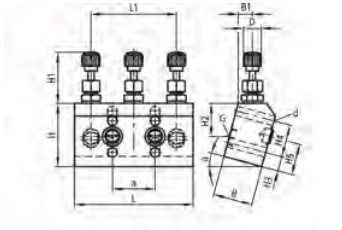


- 1) Direct assembly to differential pressure transmitters ⇒ DIN 19213
- 2) With 3 or 5 valves ⇒ Shut off, pressure compensation, test and draining in one block
- 3) As standard with seam-less female thread ⇒ Numerous connection options
- 4) Housing made of PVDF and PTFE ⇒ High media resistance

Series 5A transmitter valves are special valve blocks. They provide the safe connection of system pipes to differential pressure transducers (transmitters). Two designs are available: the valve blocks with 3 valves are suitable for shutting off and for pressure compensation in a block. Direct assembly to differential pressure transmitter is possible (DIN 19213). Shut off, pressure compensation, test and draining in one block – the valve blocks with 5 valves are suitable for a wide range of applications. They are also suitable for direct assembly to differential pressure transmitters (DIN 19213).

Transmitter valve (Series 5A), with female G-thread

5



Article-Nr	Nominal Diameter	Connection	Valves	Material
5A630G030612PPFP	DN06	G1/2"	DIN19213	PP/FPM
5A630G030612PTFP	DN06	G1/2"	DIN19213	PTFE/FPM
5A630G030612PVFP	DN06	G1/2"	DIN19213	PVDF/FPM
5A630G050612PTFP	DN06	G1/2"	DIN19213	PTFE/FPM
5A630G050612PVFP	DN06	G1/2"	DIN19213	PVDF/FPM

Dimensions 5A630. . .

	G	L	L1	L2	a	B	B1	H	H1	H2	H3	H4	H5	D	d	α
5A630G03. . .																
1/2"		150	108		54 ± 0,2	50	18	80	~65	42	18,85	31,3	39,5	22,5	12	15°
5A6: G																
1/2"		160	108	210	54 ± 0,2	50	18	80	~65	42	18,8	31,3	39,5	22,5	12	15°

Materials 5A630. . .

Housing	PVDF	PTFE
Spindle	PVDF	PTFE
O-ring*	FPM	FPM

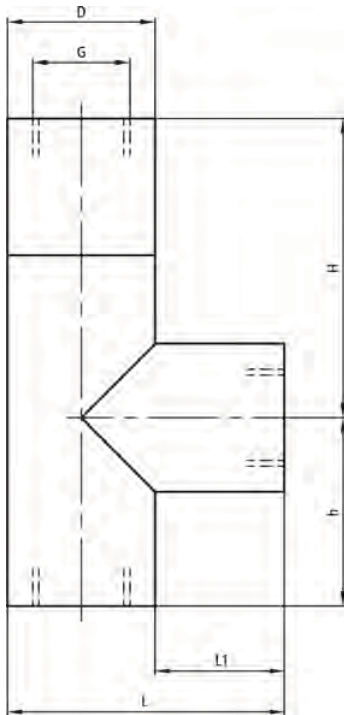
* EPDM, FFKM on request

Technical data 5A630. . .

Max. media temperature*	PVDF	PTFE
	120°C	150°C
Pressing stage	PN 10	

* Starting from the nominal pressure rating (at 20 °C), the permissible pressure reduces with increasing temperature!





Article-Nr	Nominal Diameter	Connection A	Connection B Flow rate	Material
5A350G0414PNFP	DN03	G1/4"	G1/4" G1/4"	PP-NATUR/FPM
5A350G0414PPFK	DN03	G1/4"	G1/4" G1/4"	PP
5A350G0414PPFP	DN03	G1/4"	G1/4" G1/4"	PP/FPM
5A350G0414PVFP	DN03	G1/4"	G1/4" G1/4"	PVDF/FPM

Dimensions 5A350...

	G	D	h	H	L	L1
5A350G...	G 1/4"	20	25.5	40.5	37.5	17.5

Materials 5A350...

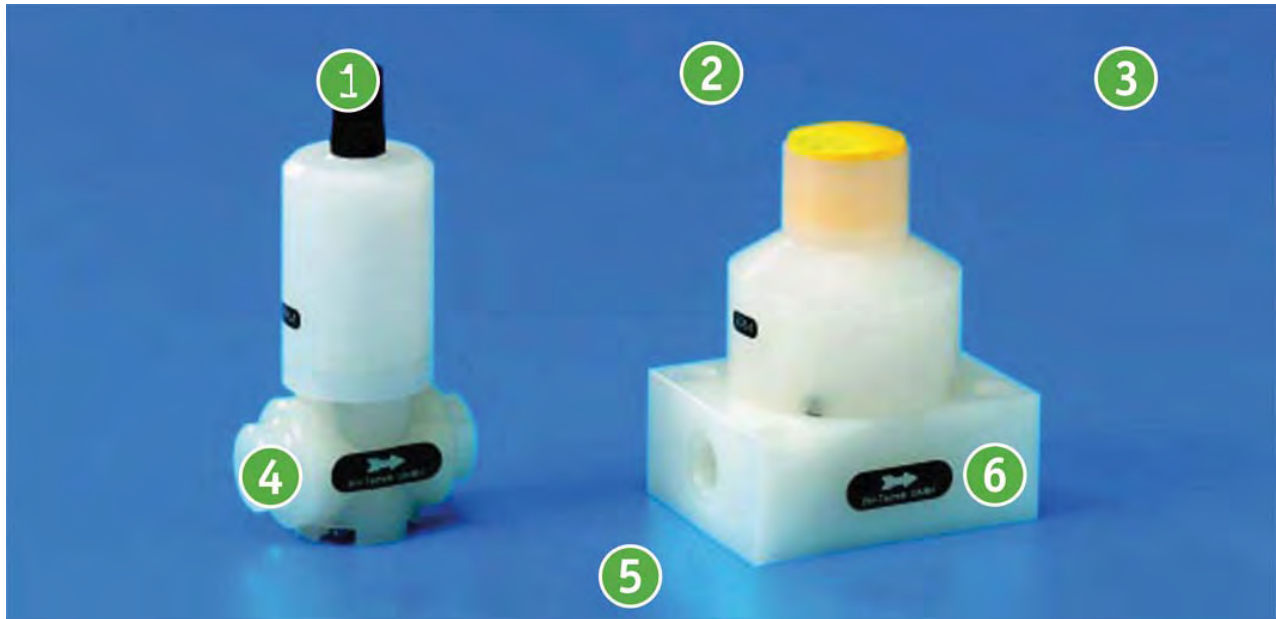
Housing	PP	PVDF	PFA
Sealing cone	PTFE	PTFE	PTFE
Spring	Hastelloy®	Hastelloy®	Hastelloy®
O-ring*	FPM	FPM	FPM

* EPDM, FFKM on request

Technical data 5A350...

Max. media temperature*	PP	PVDF	PFA
	90 °C	120 °C	180 °C
Pressure stage	PN 6		
Opening pressure A	0.7 bar		
Operating pressure A	2 bar		
Flow A → C	0.6 m ³ /h (air at 2 bar)		

* Starting from the nominal pressure rating (at 20 °C), the permissible pressure reduces with increasing temperature!

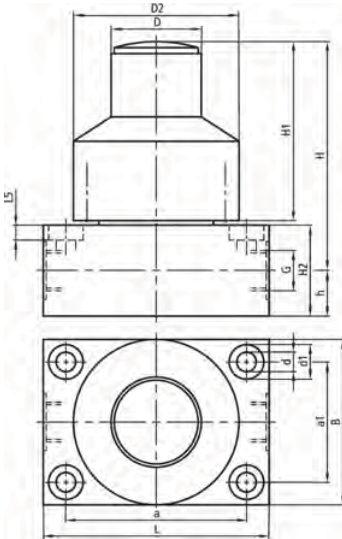


- 1) Valve adjustment also possible under working pressure
- 2) Safe reduction of pressure peaks and pulses
- 3) Small hysteresis
- 4) As standard with seam-less female thread ⇒ Numerous connection options
- 5) Any installation position ⇒ Variable usage
- 6) Housing made of PP, PVDF, and PTFE ⇒ High media resistance

Series 5D pressure keeping valves are used to remove overpressure produced during operation or for system-related reasons. They reduce the load on the system by reducing pressure peaks if the set pressure is exceeded. There are 2 types. Both versions can be installed in any position horizontal or vertical and can be used in numerous applications.

Pressure keeping valve (Series 5D), with female G-thread on both sides, in block form

5



Article-Nr	Nominal Diameter	Connection A	Connection B	Material
5D110FG0614PTFEV	DN06	G1/4"	G1/4"	PTFE/FEV
5D110FG0614PVFEV	DN06	G1/4"	G1/4"	PVDF

Materials 5D110 . . .

Housing	PVDF	PTFE
Diaphragm	TFM	TFM
O-ring*	FPM	FPM

* EPDM, FFKM on request

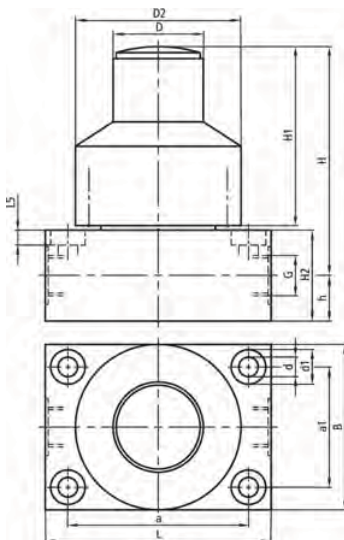
Technical data 5D110 . . .

Max. media temperature*	PVDF	PTFE
	120°C	150°C
Pressure stage	PN 6	
Adjustment range	0.2 – 6 bar	

* Starting from the nominal pressure rating (at 20°C), the permissible pressure reduces with increasing temperature!

Pressure keeping valve (Series 5D), with female NPT-thread on both sides, in block form

5



Article-Nr	Nominal Diameter	Connection A	Connection B	Material
5D110FN0614PVFEV	DN06	NPT1/4"	NPT1/4"	PVDF
5D110FN0614PVFP	DN06	NPT1/4"	NPT1/4"	PVDF/FPM

Materials 5D110 . . .

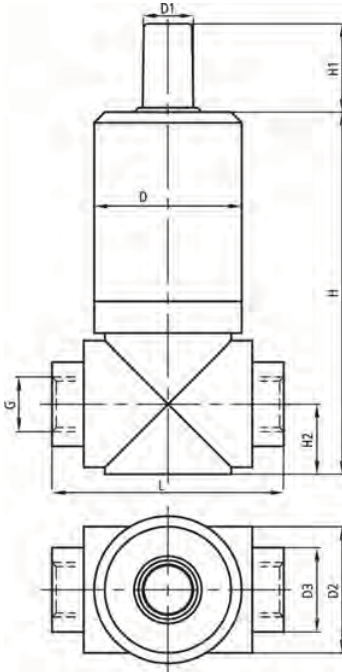
Housing	PVDF	PTFE
Diaphragm	TFM	TFM
O-ring*	FPM	FPM

Technical data 5D110 . . .

Max. media temperature*	PVDF	PTFE
	120 °C	150 °C
Pressure stage	PN 6	
Adjustment range	0.2 – 6 bar	

Pressure keeping valve (Series 5D), with female G-thread on both sides

5



Article-Nr	Nominal Diameter	Connection A	Connection B	Material
5D210FG0614PPFP	DN05	G1/4"	G1/4"	PP/FPM
5D210FG0614PVFP	DN05	G1/4"	G1/4"	PVDF/FPM

Materials 5D210 . . .

Housing	PP	PVDF
Diaphragm	TFM	TFM

Technical data 5D210 . . .

Max. media temperature*	PP	PVDF
	90 °C	120 °C
Pressure stage	PN 6	
Adjustment range	0.5 – 5 bar	

*Starting from the nominal pressure rating (at 20 °C), the permissible pressure reduces with increasing temperature!



Article-Nr	Nominal Diameter	Connection A	Connection B	Material
5D510FG0514PPFP	DN05	G1/4"	G1/4"	PP/FPM
5D510FG0514PTFK	DN05	G1/4"	G1/4"	PTFE/FFKM
5D510FG0514PTFP	DN05	G1/4"	G1/4"	PTFE/FPM
5D510FG0514PVFK	DN05	G1/4"	G1/4"	PVDF/FFKM
5D510FG0514PVFP	DN05	G1/4"	G1/4"	PVDF/FPM

Materials 5D510 . . .

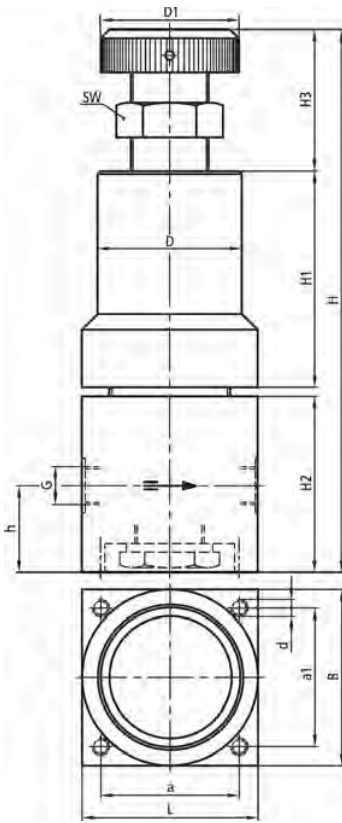
Housing	PVDF	PTFE
Diaphragm	TFM	TFM
Sealing cone	PTFE	PTFE
O-ring*	FPM	FPM

* EPDM, FFKM on request

Technical data 5D510 . . .

Max. media temperature*	PVDF	PTFE
	120°C	150°C
Pressure stage	PN 6	
Adjustment range	0.1 – 5 bar	
Working pressure variation	± 0.2 bar	
Kvs-value	0.35 m ³ /h	

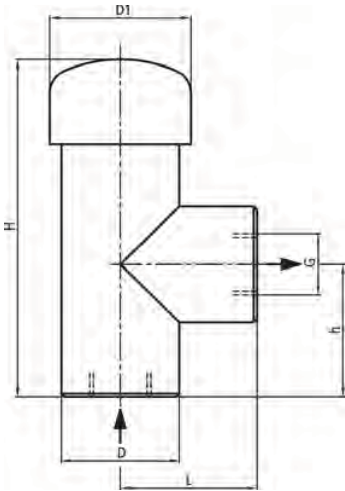
* Starting from the nominal pressure rating (at 20°C), the permissible pressure reduces with increasing temperature!





- 1) Can be operated with one hand
- 2) Connection G 1/4" female thread, seam-less
- 3) Housing made from PP, PVDF and PFA ⇒ High media resistance

In practical applications often a problem – taking samples using flexible tubes: You often only have one hand free, but a valve cannot be opened with one hand. Using the Series 5H single-hand operated valve, such tasks can be performed very easily.



Article-Nr	Nominal Diameter	Connection A	Connection B	Material
5H200FG0414PFFK	DN04	G1/4"	G1/4"	PFA/FFKM
5H200FG0414PFFP	DN04	G1/4"	G1/4"	PFA/FPM
5H200FG0414PPFK	DN04	G1/4"	G1/4"	PP/FFKM
5H200FG0414PPFP	DN04	G1/4"	G1/4"	PP/FPM
5H200FG0414PVFK	DN04	G1/4"	G1/4"	PVDF/FFKM
5H200FG0414PVFP	DN04	G1/4"	G1/4"	PVDF/FPM

Dimensions 5H200. . .

	G	D	D1	L	h	H
5H200FG. . .	G 1/4"	Ø 25	Ø 30	29	28	~71

Materials 5H200. . .

Housing	PP	PVDF	PFA
Sealing cone	PTFE	PTFE	PTFE
O-ring*	FPM	FPM	FPM

* EPDM, FFKM on request

Technical data 5H200FG. . .

Max. media temperature*	PP	PVDF	PFA
	90 °C	120 °C	180 °C
Pressure stage	PN 6		
Kvs-value	0.16 m ³ /h		

* Starting from the nominal pressure rating (at 20 °C), the permissible pressure reduces with increasing temperature!

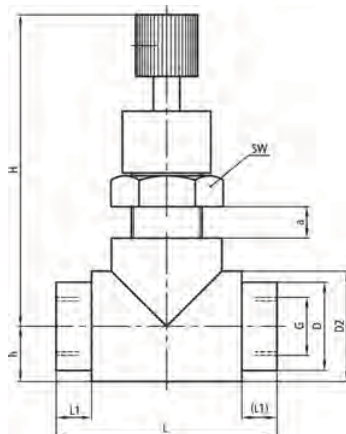


- 1) Panel mounting
- 2) Regulation and shut-off possible due to special design
- 3) Thread seam-less in accordance with DIN, USAS or JIS ⇒ Numerous connection options
- 4) Series 5L: particularly light and compact design
- 5) Series 5L: housing made of PP, PVDF and PFA ⇒ High media resistance
- 6) Series 5A: housing made of PP, PVDF and PTFE ⇒ High media resistance
- 7) Maintenance-free design ⇒ For long-term usage

Wherever gas and liquid flows must be regulated, the Series 5 regulation valves are the ideal partner: they are available in different materials for usage with aggressive media. They have a female thread on both ends and can thus be used with various connecting elements from the EM-TECHNIK modular system. The Series 5L regulation valves are light and compact due to their special design. As standard they are intended for panel mounting. The Series 5A regulation valves have been in our product range for years. Today they are predominantly in demand in PTFE.

Regulation valve (Series 5L), for panel mounting, straight, with female G-thread

5



Article-Nr	Nominal Diameter	Connection A	Connection B	Material
5L101G0318PFFK	DN03	G1/8"	G1/8"	PFA/FFKM
5L101G0318PFFP	DN03	G1/8"	G1/8"	PFA/FPM
5L101G0318PNFP	DN03	G1/8"	G1/8"	PP-NATUR/FPM
5L101G0318PPEP	DN03	G1/8"	G1/8"	PP/EPDM
5L101G0318PPFP	DN03	G1/8"	G1/8"	PP/FPM
5L101G0318PVFP	DN03	G1/8"	G1/8"	PVDF/FPM
5L101G0414PFFK	DN04	G1/4"	G1/4"	PFA/FFKM
5L101G0414PFFP	DN04	G1/4"	G1/4"	PFA/FPM
5L101G0414PNFP	DN04	G1/4"	G1/4"	PP-NATUR/FPM
5L101G0414PPEP	DN04	G1/4"	G1/4"	PP/EPDM
5L101G0414PPFP	DN04	G1/4"	G1/4"	PP/FPM
5L101G0414PVEP	DN04	G1/4"	G1/4"	PVDF/EPDM
5L101G0414PVFK	DN04	G1/4"	G1/4"	PVDF/FFKM
5L101G0414PVFP	DN04	G1/4"	G1/4"	PVDF/FPM
5L101G0812PFFP	DN08	G1/2"	G1/2"	PFA/EPDM
5L101G0812PFFK	DN08	G1/2"	G1/2"	PFA/FFKM
5L101G0812PFFP	DN08	G1/2"	G1/2"	PFA/FPM
5L101G0812PNFP	DN08	G1/2"	G1/2"	PP-NATUR/FPM
5L101G0812PPEP	DN08	G1/2"	G1/2"	PP/EPDM
5L101G0812PPFP	DN08	G1/2"	G1/2"	PP/FPM
5L101G0812PVEP	DN08	G1/2"	G1/2"	PVDF/EPDM
5L101G0812PVFP	DN08	G1/2"	G1/2"	PVDF/FPM

Dimensions 5L101G... , 5L101N...

	G	D	D2	H	h	a max.	L	L1	SW
5L101G... G 1/8"	Ø 15	Ø 20	~59	10	6	44	8	17	
5L101G... G 1/4"	Ø 20	Ø 25	~70,5	12,5	7	50	8	22	
5L101G... G 1/2"	Ø 32	Ø 36	~85,5	18	9	60	14	27	
5L101N... NPT 1/8"	Ø 15	Ø 20	~59	10	6	44	8	17	
5L101N... NPT 1/4"	Ø 20	Ø 25	~70,5	12,5	7	50	8	22	
5L101N... NPT 1/2"	Ø 32	Ø 36	~85,5	18	9	60	14	27	

Materials 5L101G... , 5L101N... , 5L201G... , 5L201N...

Housing	PP	PVDF	PFA
Spindle	PCTFE	PCTFE	PCTFE
O-ring*	FPM	FPM	FPM

* EPDM, FFKM on request

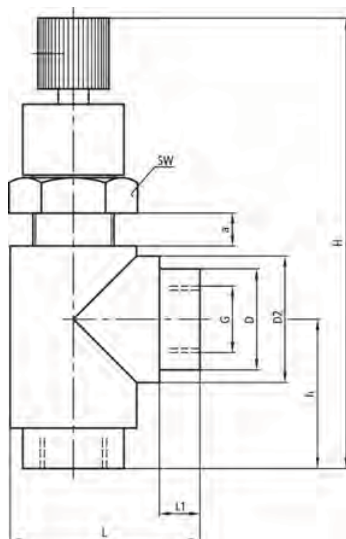
Technical data 5L101G... , 5L101N...

Max. media temperature*	PP	PVDF	PFA
	90 °C	120 °C	180 °C
Pressure stage	PN 10		
Kvs-value	1/8"	1/4"	1/2"
5L101G...	0.07 m ³ /h	0.25 m ³ /h	0.6 m ³ /h
5L101N...	0.07 m ³ /h	0.25 m ³ /h	0.6 m ³ /h

* Starting from the nominal pressure rating (at 20 °C), the permissible pressure reduces with increasing temperature!

Regulation valve (Series 5L), for panel mounting,
elbow, female G-thread

5



Article-Nr	Nominal Diameter	Connection A	Connection B	Material
5L201G0318PFFK	DN03	G1/8"	G1/8"	PFA/FFKM
5L201G0318PFFP	DN03	G1/8"	G1/8"	PFA/FPM
5L201G0318PPEP	DN03	G1/8"	G1/8"	PP/EPDM
5L201G0318PPFP	DN03	G1/8"	G1/8"	PP/FPM
5L201G0318PVFP	DN03	G1/8"	G1/8"	PVDF/FPM
5L201G0414PFFK	DN04	G1/4"	G1/4"	PFA/FFKM
5L201G0414PFFP	DN04	G1/4"	G1/4"	PFA/FPM
5L201G0414PNFP	DN04	G1/4"	G1/4"	PP-NATUR/FPM
5L201G0414PPFP	DN04	G1/4"	G1/4"	PP/FPM
5L201G0414PVFP	DN04	G1/4"	G1/4"	PVDF/FPM
5L201G0812PFFP	DN08	G1/2"	G1/2"	PFA/FPM
5L201G0812PNFP	DN08	G1/2"	G1/2"	PP-NATUR/FPM
5L201G0812PPFP	DN08	G1/2"	G1/2"	PP/FPM
5L201G0812PVFP	DN08	G1/2"	G1/2"	PVDF/FPM

Dimensions 5L201G... , 5L201N...

	G	D	D2	H	h	a	L	L1	SW
5L201G... G 1/8"	Ø 15	Ø 15	~ 76	22	22	6	32	8	17
5L201G... G 1/4"	Ø 15	Ø 15	~ 94,5	29,5	29,5	7	37,5	8	22
5L201G... G 1/2"	Ø 15	Ø 15	~ 113,5	30	30	9	46	10	27
5L201N... NPT 1/8"	Ø 15	Ø 15	~ 76	22	22	6	32	8	17
5L201N... NPT 1/4"	Ø 15	Ø 15	~ 94,5	29,5	29,5	7	37,5	8	22
5L201N... NPT 1/2"	Ø 15	Ø 15	~ 117,5	34	34	9	50	14	27

Materials 5L101G... , 5L101N... , 5L201G... , 5L201N...

	PP	PVDF	PFA
Housing	PP	PVDF	PFA
Spindle	PCTFE	PCTFE	PCTFE
O-ring*	FPM	FPM	FPM

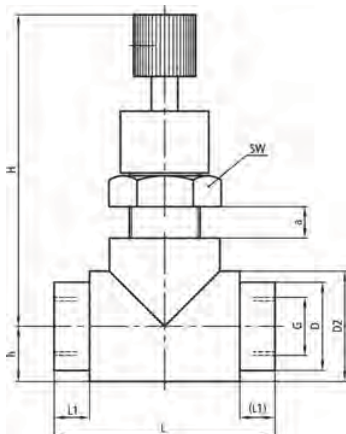
Technical data 5L201G... , 5L201N...

	PP	PVDF	PFA
Max. media temperature*	90 °C	120 °C	180 °C
Pressure stage	PN 10		
Kvs-value	1/8"	1/4"	1/2"
5L201G...	0.06 m ³ /h	0.25 m ³ /h	0.6 m ³ /h
5L201N...	0.06 m ³ /h	0.25 m ³ /h	0.6 m ³ /h

* Starting from the nominal pressure rating (at 20 °C), the permissible pressure reduces with increasing temperature!

Regulation valve (Series 5L), for panel mounting,
straight, with female NPT-thread

5



Article-Nr	Nominal Diameter	Connection A	Connection B	Material
5L101N0318PPFP	DN03	NPT1/8"	NPT1/8"	PP/FPM
5L101N0318PVFK	DN03	NPT1/8"	NPT1/8"	PVDF/FFKM
5L101N0414PVFK	DN04	NPT1/4"	NPT1/4"	PVDF/FFKM
5L101N0414PVFP	DN04	NPT1/4"	NPT1/4"	PVDF/FPM

Dimensions 5L101G... , 5L101N...

	G	D	D2	H	h	a	L	L1	SW
5L101G... G 1/8"	Ø 15	Ø 20		~59	10	6	44	8	17
5L101G... G 1/4"	Ø 20	Ø 25		~70,5	12,5	7	50	8	22
5L101G... G 1/2"	Ø 32	Ø 36		~85,5	18	9	60	14	27
5L101N... NPT 1/8"	Ø 15	Ø 20		~59	10	6	44	8	17
5L101N... NPT 1/4"	Ø 20	Ø 25		~70,5	12,5	7	50	8	22
5L101N... NPT 1/2"	Ø 32	Ø 36		~85,5	18	9	60	14	27

Materials 5L101G... , 5L101N... , 5L201G... , 5L201N...

Housing	PP	PVDF	PFA
Spindle	PCTFE	PCTFE	PCTFE
O-ring*	FPM	FPM	FPM

Technical data 5L101G... , 5L101N...

Max. media temperature*	PP	PVDF	PFA
	90°C	120°C	180°C
Pressure stage	PN 10		
Kvs-value	1/8"	1/4"	1/2"
5L101G...	0.07 m ³ /h	0.25 m ³ /h	0.6 m ³ /h
5L101N...	0.07 m ³ /h	0.25 m ³ /h	0.6 m ³ /h

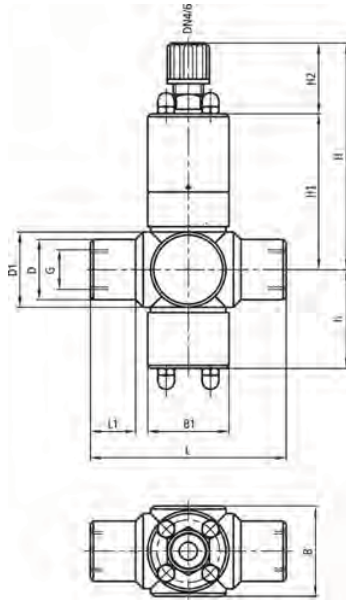


- 1) Diaphragm made of PFA \Rightarrow High media resistance \Rightarrow Reliable and long-lived
- 2) Sealing principle: diaphragm with 90° cone made of PTFE \Rightarrow High tightness even with soiling
- 3) Any installation position \Rightarrow Variable usage
- 4) Design without dead space \Rightarrow ideal with the special connectors from the EM-TECHNIK modular system

The Series 5 diaphragm valves can be used in practice both as shutoff and as safety valves. Due to their special diaphragm, these valves have very high reliability and a long service life. The nominal diameters up to DN 05 ensure a good flow rate even with soiled media. Two variants are available: the Series 5B diaphragm valve is manually controlled. The Series 5P diaphragm valve is pneumatically controlled and thus also particularly suitable for usage in plant and process circuits for interrupting or diverting the media, e.g. on a pressure drop.

Diaphragm valve (Series 5P), 2/2 ways, with female G-thread, pneumatically operated, pressureless opened

5



Article-Nr	Nominal Diameter	Connection A	Connection B	Material
5P100G0514PF	DN05	G1/4"	G1/4"	PFA
5P100G0514PP	DN05	G1/4"	G1/4"	PP
5P100G0514PV	DN05	G1/4"	G1/4"	PVDF

Dimensions 5P100 . . . , 5P101 . . .

	G	B	B1	D	D1	L	L1	h	H	H1	H2
5P100 . . . , G	30	Ø 27	Ø 20	Ø 25	65	15	~ 33	~ 75	~ 52	~	~
5P101 . . . 1/4"											23,5

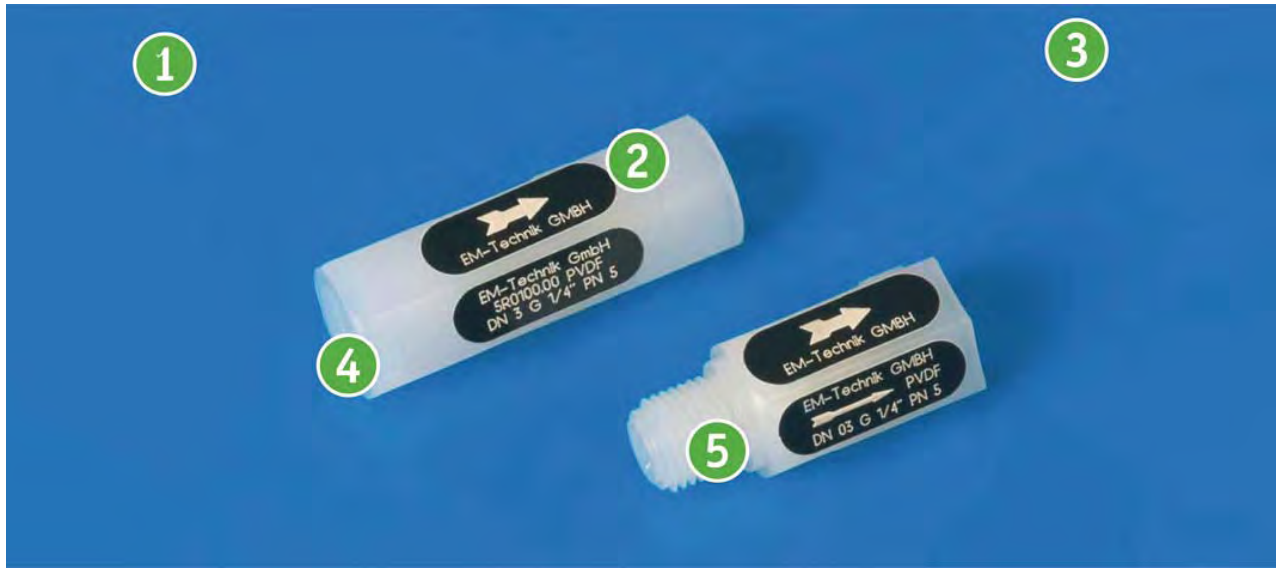
Materials 5P100 . . . , 5P101 . . . , 5P132 . . .

Housing	PP	PVDF	PFA
Diaphragm	TFM	TFM	TFM
Sealing cone	PTFE	PTFE	PTFE

Technical data 5P100 . . . , 5P101 . . .

Max. media temperature*	PP	PVDF	PFA
	90 °C	120 °C	180 °C
Pressure stage	PN 6		
Opening pressure	3 bar		
5P110G. . .			
Closing pressure	3 – 5 bar		
5P111G. . .			
Kvs-value	1/4"		
5P110G. . .	0.15 m ³ /h		
5P111G. . .	0.15 m ³ /h		

* Starting from the nominal pressure rating (at 20 °C), the permissible pressure reduces with increasing temperature!

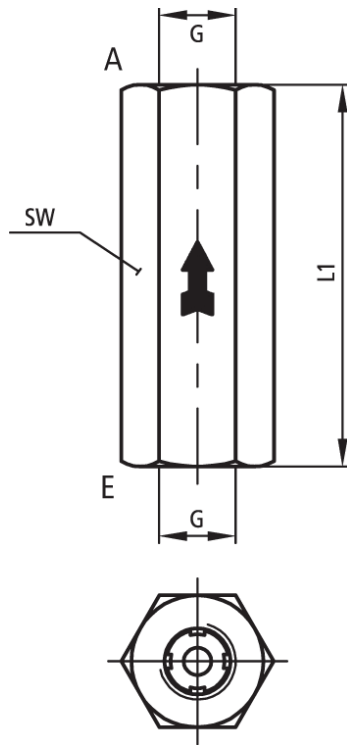


- 1) If required available with spring ⇒ Prevents return flow even on very slight pressure drop ⇒ Any installation position
- 2) Housing made of PP, PVDF and PFA ⇒ High media resistance
- 3) O-ring valve seat ⇒ Very high tightness
- 4) As standard with seam-less female G- or NPT-thread ⇒ Numerous connection options
- 5) Inlet also possible with seam-less male G- or NPTthread

Whenever a medium is to be prevented from flowing back into a system, or devices are to be protected against blow back, check valves are used. Two types are available: The check valve without spring is primarily used for the protection of fittings against blow back from a system. These valves have a low opening pressure. The check valve with spring on the other hand prevents the medium from flowing back when the pressure simply drops. Here the spring ensures that the valve closes automatically.

Check valve (Series 5R), with female G-thread on both sides, without spring

5



Article-Nr	Nominal Diameter	Connection A	Connection B	Material
5R100FF0318PFFK	DN03	G1/8"	G1/8"	PFA/FFKM
5R100FF0318PPFK	DN03	G1/8"	G1/8"	PP/FFKM
5R100FF0318PPFP	DN03	G1/8"	G1/8"	PP/FPM
5R100FF0318PVFP	DN03	G1/8"	G1/8"	PVDF/FPM
5R100FF0414PFFK	DN03	G1/4"	G1/4"	PFA/FFKM
5R100FF0414PFFP	DN03	G1/4"	G1/4"	PFA/FPM
5R100FF0414PNFP	DN03	G1/4"	G1/4"	PP-NATUR/FPM
5R100FF0414PPEP	DN03	G1/4"	G1/4"	PP/EPDM
5R100FF0414PPFK	DN03	G1/4"	G1/4"	PP
5R100FF0414PPFP	DN03	G1/4"	G1/4"	PP/FPM
5R100FF0414PTFK	DN03	G1/4"	G1/4"	PTFE/FFKM
5R100FF0414PTFP	DN03	G1/4"	G1/4"	PTFE/FPM
5R100FF0414PVEP	DN03	G1/4"	G1/4"	PVDF/EPDM
5R100FF0414PVFK	DN03	G1/4"	G1/4"	PVDF/FFKM
5R100FF0414PVFP	DN03	G1/4"	G1/4"	PVDF/FPM
5R100FF0812PFFK	DN08	G1/2"	G1/2"	PFA/FFKM
5R100FF0812PFFP	DN08	G1/2"	G1/2"	PFA/FPM
5R100FF0812PNFP	DN08	G1/2"	G1/2"	PP-NATURE/FPM
5R100FF0812PPEP	DN08	G1/2"	G1/2"	PP/EPDM
5R100FF0812PPFK	DN08	G1/2"	G1/2"	PP/FFKM
5R100FF0812PPFP	DN08	G1/2"	G1/2"	PP/FPM
5R100FF0812PTFK	DN08	G1/2"	G1/2"	PTFE/FFKM
5R100FF0812PTFP	DN08	G1/2"	G1/2"	PTFE/FPM
5R100FF0812PVFK	DN08	G1/2"	G1/2"	PVDF/FFKM
5R100FF0812PVFP	DN08	G1/2"	G1/2"	PVDF/FPM

Materials 5R...

Housing	PP	PVDF	PFA
Sealing cone	PTFE	PTFE	PTFE
Spring	Hastelloy®	Hastelloy®	Hastelloy®
O-ring*	FPM	FPM	FPM

* EPDM, FFKM on request

Technical data 5R...

Max. media temperature*	PP	PVDF	PFA
	90 °C	120 °C	180 °C
Pressure stage	1/4"	1/2"	
	PN 6	PN 10	
Opening pressure	1/4"	1/2"	
5R100FF...	1.1 – 0.4 bar	0.1 – 0.9 bar	
5R100MF...	1.1 – 0.4 bar	0.1 – 0.9 bar	
5R200FF...	0.6 bar	1.2 bar	
5R200MF...	0.6 bar	1.2 bar	
Kvs-value	1/4"	1/2"	
5R100FF...	0.3 m ³ /h	0.6 m ³ /h	
5R100MF...	0.3 m ³ /h	0.6 m ³ /h	
5R200FF...	0.25 m ³ /h	0.45 m ³ /h	
5R200MF...	0.25 m ³ /h	0.45 m ³ /h	

* Starting from the nominal pressure rating (at 20 °C), the permissible pressure reduces with increasing temperature!

Dimensions 5R100FF..., 5R200FF..., 5R110FF..., 5R120FF...

	G	L1	SW
5R100FF...	G 1/8"	40	14
5R100FF...	G 1/4"	55	19
5R100FF...	G 1/2"	76	27

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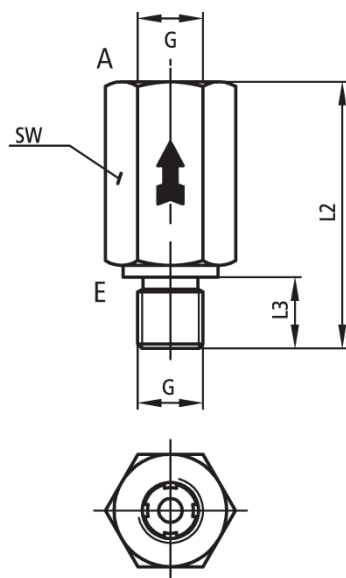
Check valve (Series 5R), with female G-thread on both sides, without spring

5

	G	L1	SW
5R200FF...	G 1/8"	46.5	14
5R200FF...	G 1/4"	63	19
5R200FF...	G 1/2"	76	27
5R110FF...	NPT 1/8"	43	14
5R110FF...	NPT 1/4"	56	19
5R120FF	NPT 1/8"	48	14
5R120FF	NPT 1/4"	63	19

Check valve (Series 5R,) with female G-thread
male G-thread, without spring

5



Article-Nr	Nominal Diameter	Connection A	Connection B	Material
5R100MF0414PFFP	DN03	G1/4"	G1/4"	PFA/FPM
5R100MF0414PPEP	DN03	G1/4"	G1/4"	PP/EPDM
5R100MF0414PPFK	DN03	G1/4"	G1/4"	PP/FFKM
5R100MF0414PPFP	DN03	G1/4"	G1/4"	PP/FPM
5R100MF0414PTFK	DN03	G1/4"	G1/4"	PTFE/FFKM
5R100MF0414PTFP	DN03	G1/4"	G1/4"	PTFE/FPM
5R100MF0414PVEP	DN03	G1/4"	G1/4"	PVDF/EPDM
5R100MF0414PVFP	DN03	G1/4"	G1/4"	PVDF/FPM
5R100MF0812PPEP	DN08	G1/2"	G1/2"	PP/EPDM
5R100MF0812PPFP	DN08	G1/2"	G1/2"	PP/FPM
5R100MF0812PVFK	DN08	G1/2"	G1/2"	PVDF/FFKM
5R100MF0812PVFP	DN08	G1/2"	G1/2"	PVDF/FPM

Materials 5R...

Housing	PP	PVDF	PFA
Sealing cone	PTFE	PTFE	PTFE
Spring	Hastelloy®	Hastelloy®	Hastelloy®
O-ring*	FPM	FPM	FPM

Technical data 5R...

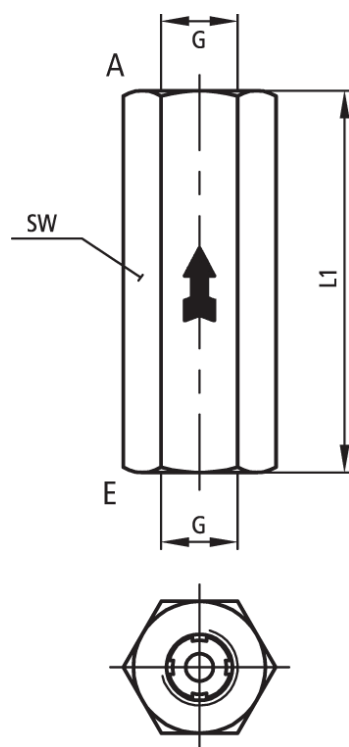
Max. media temperature*	PP	PVDF	PFA
	90 °C	120 °C	180 °C
Pressure stage	1/4"	1/2"	
	PN 6	PN 10	
Opening pressure	1/4"	1/2"	
5R100FF...	1.1 – 0.4 bar	0.1 – 0.9 bar	
5R100MF...	1.1 – 0.4 bar	0.1 – 0.9 bar	
5R200FF...	0.6 bar	1.2 bar	
5R200MF...	0.6 bar	1.2 bar	
Kvs-value	1/4"	1/2"	
5R100FF...	0.3 m ³ /h	0.6 m ³ /h	
5R100MF...	0.3 m ³ /h	0.6 m ³ /h	
5R200FF...	0.25 m ³ /h	0.45 m ³ /h	
5R200MF...	0.25 m ³ /h	0.45 m ³ /h	

Dimensions 5R100MF..., 5R200MF..., 5R110MF..., 5R120MF...

	G	L2	L3	SW
5R100MF...	G 1/8"	35	8	14
5R100MF...	G 1/4"	45	12	19
5R100MF...	G 1/2"	76	14	27
5R200MF...	G 1/8"	42	8	14
5R200MF...	G 1/4"	63	12	19
5R200MF...	G 1/2"	76	14	27
5R110MF...	NPT 1/8"	39	10	14
5R110MF...	NPT 1/4"	47	15.4	19
5R120MF	NPT 1/8"	47	10	14
5R120MF	NPT 1/4"	65	15.4	19

Check valve (Series 5R), with female G-thread, with spring

5



Article-Nr	Nominal Diameter	Connection A	Connection B	Material
5R200FF0318PPEP	DN03	G1/8"	G1/8"	PP/EPDM
5R200FF0318PPFP	DN03	G1/8"	G1/8"	PP/FPM
5R200FF0318PVFP	DN03	G1/8"	G1/8"	PVDF/FPM
5R200FF0414PFFK	DN03	G1/4"	G1/4"	PFA/FFKM
5R200FF0414PPFP	DN03	G1/4"	G1/4"	PFA/FPM
5R200FF0414PNFP	DN03	G1/4"	G1/4"	PP-NATUR/FPM
5R200FF0414PPEP	DN03	G1/4"	G1/4"	PP/EPDM
5R200FF0414PFFK	DN03	G1/4"	G1/4"	PP/FFKM
5R200FF0414PPFP	DN03	G1/4"	G1/4"	PP/FPM
5R200FF0414PVEP	DN03	G1/4"	G1/4"	PVDF/EPDM
5R200FF0414PVFK	DN03	G1/4"	G1/4"	PVDF/FFKM
5R200FF0414PVFP	DN03	G1/4"	G1/4"	PVDF/FPM
5R200FF0812PFEP	DN08	G1/2"	G1/2"	PFA/EPDM
5R200FF0812PFFK	DN08	G1/2"	G1/2"	PFA/FFKM
5R200FF0812PPFP	DN08	G1/2"	G1/2"	PFA/FPM
5R200FF0812PPEP	DN08	G1/2"	G1/2"	PP/EPDM
5R200FF0812PPFP	DN08	G1/2"	G1/2"	PP/FPM
5R200FF0812PVFK	DN08	G1/2"	G1/2"	PVDF/FFKM
5R200FF0812PVFP	DN08	G1/2"	G1/2"	PVDF/FPM

Materials 5R...

Housing	PP	PVDF	PFA
Sealing cone	PTFE	PTFE	PTFE
Spring	Hastelloy®	Hastelloy®	Hastelloy®
O-ring*	FPM	FPM	FPM

Technical data 5R...

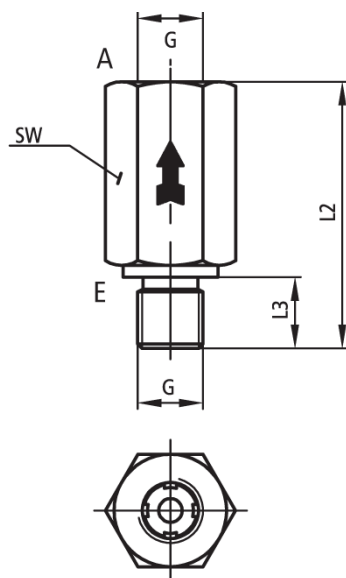
Max. media temperature*	PP	PVDF	PFA
	90 °C	120 °C	180 °C
Pressure stage	1/4"	1/2"	
	PN 6	PN 10	
Opening pressure	1/4"	1/2"	
5R100FF...	1.1 – 0.4 bar	0.1 – 0.9 bar	
5R100MF...	1.1 – 0.4 bar	0.1 – 0.9 bar	
5R200FF...	0.6 bar	1.2 bar	
5R200MF...	0.6 bar	1.2 bar	
Kvs-value	1/4"	1/2"	
5R100FF...	0.3 m ³ /h	0.6 m ³ /h	
5R100MF...	0.3 m ³ /h	0.6 m ³ /h	
5R200FF...	0.25 m ³ /h	0.45 m ³ /h	
5R200MF...	0.25 m ³ /h	0.45 m ³ /h	

Dimensions 5R100FF..., 5R200FF..., 5R110FF..., 5R120FF...

	G	L1	SW
5R100FF...	G 1/8"	40	14
5R100FF...	G 1/4"	55	19
5R100FF...	G 1/2"	76	27
5R200FF...	G 1/8"	46.5	14
5R200FF...	G 1/4"	63	19
5R200FF...	G 1/2"	76	27
5R110FF...	NPT 1/8"	43	14
5R110FF...	NPT 1/4"	56	19
5R120FF	NPT 1/8"	48	14
5R120FF	NPT 1/4"	63	19

Check valve (Series 5R,) with female G-thread
male G-thread, with spring

5



Article-Nr	Nominal Diameter	Connection A	Connection B	Material
5R200MF0318PPFK	DN03	G1/8"	G1/8"	PP/FFKM
5R200MF0414PFFP	DN03	G1/4"	G1/4"	PFA/FPM
5R200MF0414PPFK	DN03	G1/4"	G1/4"	PP/FFKM
5R200MF0414PFFP	DN03	G1/4"	G1/4"	PP/FPM
5R200MF0414PVFK	DN03	G1/4"	G1/4"	PVDF/FFKM
5R200MF0414PVFP	DN03	G1/4"	G1/4"	PVDF/FPM
5R200MF0812PPFK	DN08	G1/2"	G1/2"	PFA/FFKM
5R200MF0812PFFP	DN08	G1/2"	G1/2"	PFA/FPM
5R200MF0812PNFP	DN08	G1/2"	G1/2"	PP-NATUR/FPM
5R200MF0812PPEP	DN08	G1/2"	G1/2"	PP/EPDM
5R200MF0812PPFP	DN08	G1/2"	G1/2"	PP/FPM
5R200MF0812PVFP	DN08	G1/2"	G1/2"	PVDF/FPM

Materials 5R...

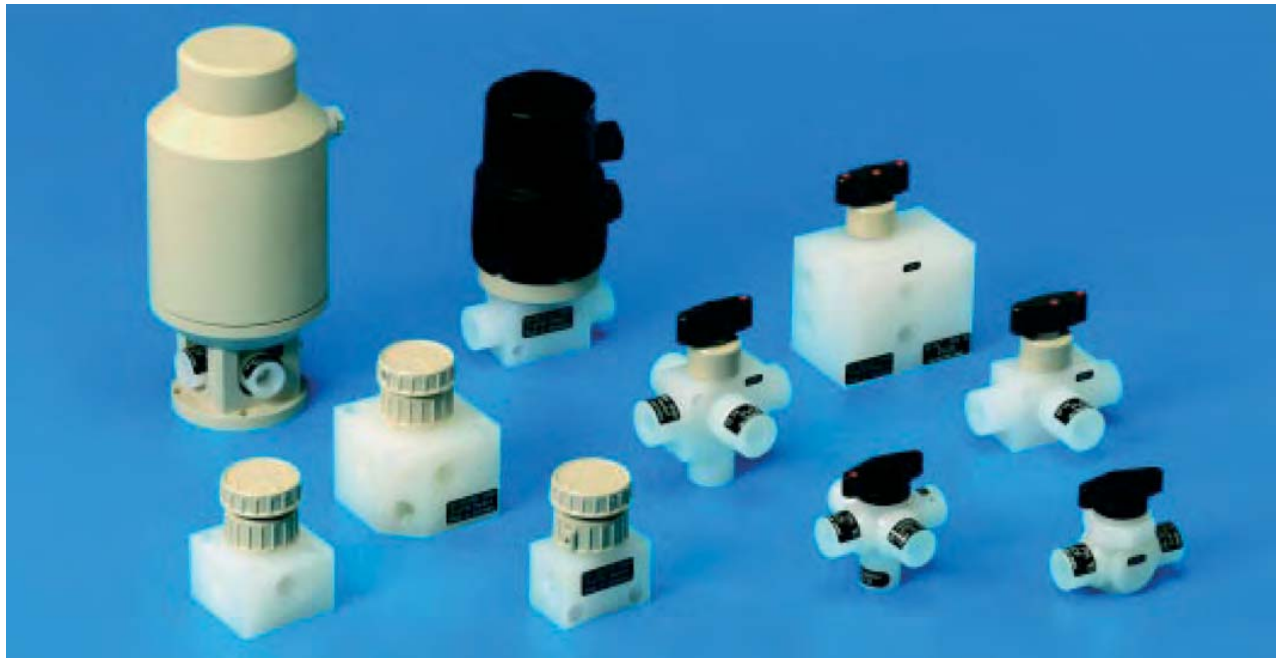
Housing	PP	PVDF	PFA
Sealing cone	PTFE	PTFE	PTFE
Spring	Hastelloy®	Hastelloy®	Hastelloy®
O-ring*	FPM	FPM	FPM

Technical data 5R...

Max. media temperature*	PP	PVDF	PFA
	90 °C	120 °C	180 °C
Pressure stage	1/4"	1/2"	
	PN 6	PN 10	
Opening pressure	1/4"	1/2"	
5R100FF...	1.1 – 0.4 bar	0.1 – 0.9 bar	
5R100MF...	1.1 – 0.4 bar	0.1 – 0.9 bar	
5R200FF...	0.6 bar	1.2 bar	
5R200MF...	0.6 bar	1.2 bar	
Kvs-value	1/4"	1/2"	
5R100FF...	0.3 m ³ /h	0.6 m ³ /h	
5R100MF...	0.3 m ³ /h	0.6 m ³ /h	
5R200FF...	0.25 m ³ /h	0.45 m ³ /h	
5R200MF...	0.25 m ³ /h	0.45 m ³ /h	

Dimensions 5R100MF..., 5R200MF..., 5R110MF..., 5R120MF...

	G	L2	L3	SW
5R100MF...	G 1/8"	35	8	14
5R100MF...	G 1/4"	45	12	19
5R100MF...	G 1/2"	76	14	27
5R200MF...	G 1/8"	42	8	14
5R200MF...	G 1/4"	63	12	19
5R200MF...	G 1/2"	76	14	27
5R110MF...	NPT 1/8"	39	10	14
5R110MF...	NPT 1/4"	47	15.4	19
5R120MF	NPT 1/8"	47	10	14
5R120MF	NPT 1/4"	65	15.4	19



Ball valves have proven their worth in practice: wherever aggressive gases and liquids are to be safely and reliably shut-off, isolated, mixed or distributed, a ball valve is ideal for a variety of tasks. When ball valves are used, pressure losses are minimal and power consumption very low compared to other shut-off fittings. The design features of these ball valves provide a high level of safety and reliability: the shut-off body comprises the ball with a drilled hole from which the component gets its name; when the valve is open the full rated cross-section is available. The ball, manufactured in one piece with the stem, is centred by sealing sleeves; the O-ring stem seal provides sealing upwards. All valves are manufactured as standard with female threads so that they can be screwed to a very wide range of connection modules. The valves are available in various plastics and in a very wide variety of types – from the 2-way ball valve to the 5-way ball valve, thus making the valves suitable for many different practical applications. 7, 9 or 11- way ball valves are available as special designs on request.



Ball valves 6A 557
7- to 11-way ball valves in PVDF and PTFE, manual operated.



Ball valves 6D 559
2- to 4-way ball valves (Series 6L) wit pneumatic part-turn actuator (STANDARD).



Ball valves 6E 566
7- to 11-way ball valves (Series 6A) with electrical part-turn actuator (STANDARD).



Ball valves 6G 569
2- to 5-way ball valves (Series 6L) wit electrical part-turn actuator (STANDARD).



Ball valves 6L 576
2- to 5-way ball valves (Series 6L) in PP, natural PP, PVDF and PFA. Manual operated.



Ball valves 6R 587
2- to 4-way ball valves (Series 6L) wit pneumatic part-turn actuator (COMPACT).



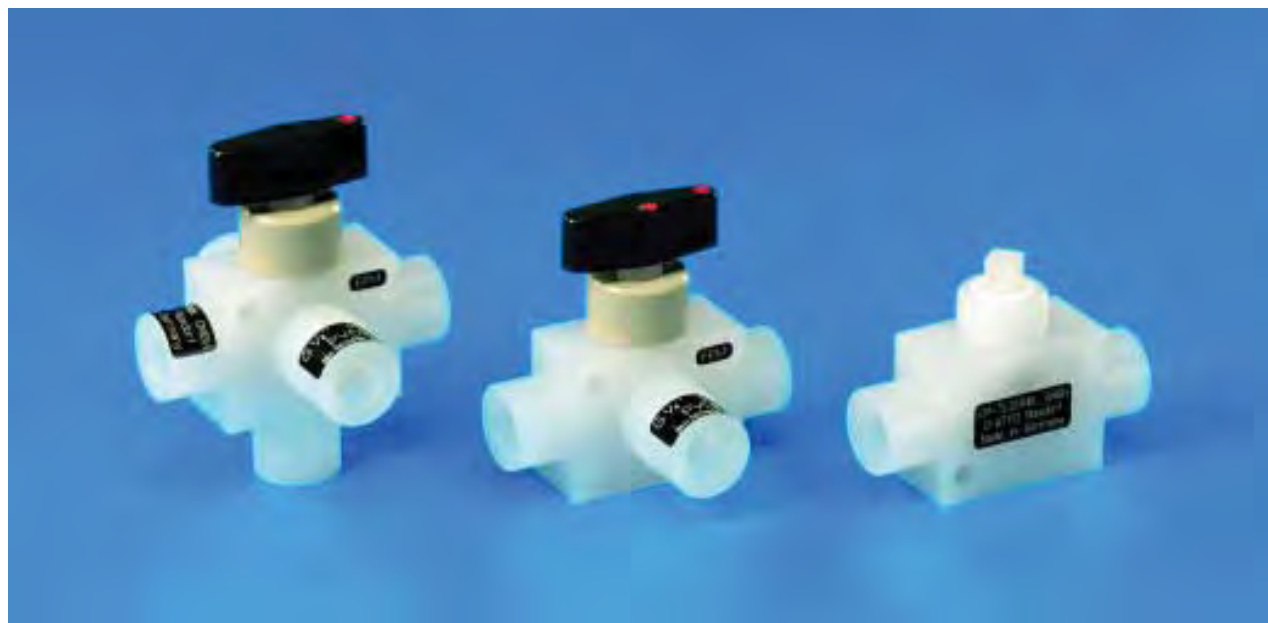
Multiport bal valves 6X 591
Multiport ball valves 6X with pneumatic part-turn actuator (STANDARD), for controlling two media flows synchronously.



Multiport ball valves 6Y ??
Multiport ball valves 6Y with electrical part-turn actuator, for controlling two media flows synchronously.



Multiport ball valves 6Z 594
Multiport ball valves 6Z, manual operated, for controlling two media flows synchronously.

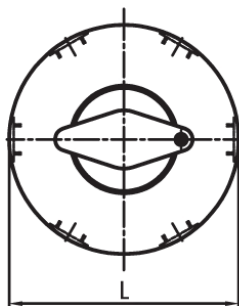
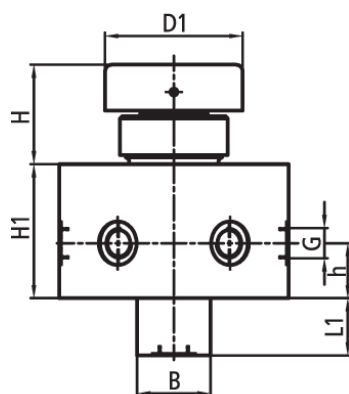


- 1) Ball and stem made in one piece
- 2) Stem sealing with O-ring
- 3) Housing made of PVDF and PTFE ⇒ Very high media resistance
- 4) Sealing sleeves made of PTFE ⇒ Max. media resistance
- 5) Female G-thread seamless in accordance with DIN ⇒ Numerous connection options

The Series 6A ball valves have been in our product range for years. Today they are predominantly in demand in PTFE. Designs in PVDF are also possible as standard. Following the introduction of our light Series 6L, the 2 to 5-way ball valves are today primarily used as spares in existing plants. In this way existing retaining holes can still be used. The Series 6A ball valves are available in various nominal diameters and numerous versions. A special advantage for the user: with the 7, 9 or 11-way ball valve designs even demanding tasks can be reliably and safely addressed.

Ball valve (Series 6A), manual, 7-way, with L-bore, in block form

6



Article-Nr	Nominal Diameter	Connection	Material
6A770F0414PTFP	DN04	G1/4"	PTFE/FPM
6A770F0414PVFP	DN04	G1/4"	PVDF/FPM

Dimensions 6A . . .

	G	L	L1	L5	B	h	H	H1	a	d	d1	D1
6A770. . . G 1/4"	98	25	-	∅ 32	24	~78	58.5	-	-	-	-	60
6A79C G 1/4"	∅ 120	25	7	∅ 32	60	~ 117	70	95	6.5	12	-	-
6A711. . . G 1/4"	∅ 120	25	7	∅ 32	60	~ 117	70	95	6.5	12	-	-

Technical data 6A . . .

Max. media temperature*	PVDF	PTFE
	120°C	150°C
Pressure stage	PN 10	PN 6
Kvs-value	DN 04	
6A770. . .	0.58 m ³ /h	
6A790. . .	0.58 m ³ /h	
6A711. . .	0.58 m ³ /h	

* Starting from the nominal pressure rating (20 °C), the permissible pressure reduces with increasing temperature!

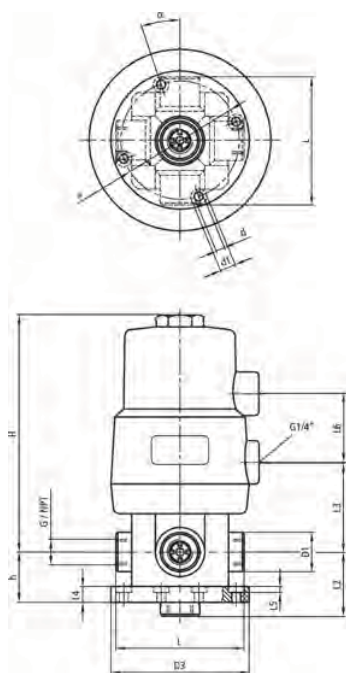


- 1) Housing made of glassfibre reinforced PP
- 2) Connection G 1/4" female thread
- 3) Control using neutral, gaseous media
- 4) Series 6L ball valve
- 5) Mounting using special mounting bracket

The Series 6D ball valves comprise Series 6L ball valves and our pneumatic part-turn actuator 6P4000.00. The pneumatic partturn actuator provides reliable ball valve operation. The piston drive is compact and maintenance-free and can be operated with all neutral, gaseous media. As standard the actuator has a spring-return.

Ball valve (Series 6D) with pneumatic part-turn actuator (STANDARD), spring return, 2-way

6



Article-Nr	Nominal Diameter	Connection	Material
6D701F0414PFFK	DN04	G1/4"	PFA/FFKM
6D701F0414PFFP	DN04	G1/4"	PFA/FPM
6D701F0414PPEP	DN04	G1/4"	PP/EPDM
6D701F0414PPFP	DN04	G1/4"	PP/FPM
6D701F0414PVFP	DN04	G1/4"	PVDF/EPDM
6D701F0414PVFK	DN04	G1/4"	PVDF/FFKM
6D701F0414PVFP	DN04	G1/4"	PVDF/FPM
6D701F0614PFFK	DN06	G1/4"	PFA/FFKM
6D701F0614PFFP	DN06	G1/4"	PFA/FPM
6D701F0614PPFP	DN06	G1/4"	PP/FPM
6D701F0614PVFK	DN06	G1/4"	PVDF/FFKM
6D701F0614PVFP	DN06	G1/4"	PVDF/FPM
6D701F0812PFFK	DN08	G1/2"	PFA/FFKM
6D701F0812PFFP	DN08	G1/2"	PFA/FPM
6D701F0812PPEP	DN08	G1/2"	PP/EPDM
6D701F1012PFFK	DN10	G1/2"	PFA/FFKM
6D701F1012PFFP	DN10	G1/2"	PFA/FPM
6D701F1012PPEP	DN10	G1/2"	PP/EPDM
6D701F1012PPFP	DN10	G1/2"	PP/FPM
6D701F1012PVFK	DN10	G1/2"	PVDF/FFKM
6D701F1012PVFP	DN10	G1/2"	PVDF/FPM
6D801F0414PFFK	DN04	NPT1/4"	PFA/FFKM
6D801F0414PFFP	DN04	NPT1/4"	PFA/FPM
6D801F0414PPEP	DN04	NPT1/4"	PP/EPDM
6D801F0414PVFK	DN04	NPT1/4"	PVDF/FFKM
6D801F0414PVFP	DN04	NPT1/4"	PVDF/FPM
6D801F0812PFFK	DN08	NPT1/2"	PFA/FFKM
6D801F0812PFFP	DN08	NPT1/2"	PFA/FPM
6D801F0812PPFP	DN08	NPT1/2"	PP/FPM
6D801F0812PVFP	DN08	NPT1/2"	PVDF/FPM

Dimensions 6D...

	G / NPT	L	L2	L3	L4	L5	L6	H	h	D1	D3	a	d	d1	α
6D...	1/4"	65	32,5	~ 45,5	8	3	34	~ 120,5	~ 25,5	∅ 20	∅ 70	∅ 60	4,5	8	18,5°
6D...	1/2"	100	50	~ 45,5	10	4	34	~ 145,1	~ 32	∅ 30	∅ 96	∅ 83	4,5	10	25°

Materials 6L..., 6D..., 6H..., 6G..., 6R...

Housing	PP	PVDF	PFA
Ball	PP	PVDF	PTFE
Sealing sleeve	PTFE	PTFE	PTFE
Pressure screw**	PP	PVDF	PTFE
O-ring*	FPM	FPM	FPM

* EPDM, FFKM on request ** only with G1/2" or NPT

Technical data 6D...

Max. media temperature*	PP	PVDF	PFA
	90°C	120°C	180°C
Pressure stage	PN 10		
Kvs-value	DN 04	DN 06	DN 08
6D701...	0.61 m ³ /h	0.9 m ³ /h	3.9 m ³ /h
6D702...	0.58 m ³ /h	0.85 m ³ /h	3.7 m ³ /h
6D732...	0.58 m ³ /h	0.85 m ³ /h	3.7 m ³ /h
6D733...	0.58 m ³ /h	0.85 m ³ /h	3.7 m ³ /h
6D741...	0.61 m ³ /h	0.9 m ³ /h	3.9 m ³ /h

.....continued on the next page

Ball valve (Series 6D) with pneumatic part-turn actuator (STANDARD), spring return, 2-way

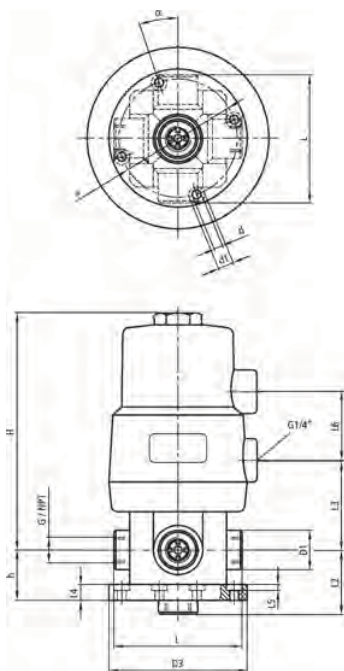
6

Max. media temperature*	PP	PVDF	PFA	
6D744. . .	0.45 m ³ /h	0.65 m ³ /h	./.	./.
6D801. . .	0.61 m ³ /h	./.	1.9 m ³ /h	./.
6D802. . .	0.58 m ³ /h	./.	./.	./.
6D832. . .	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6D833. . .	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6D841. . .	0.61 m ³ /h	./.	1.6 m ³ /h	./.
6D844. . .	0.45 m ³ /h	./.	./.	./.

* Starting from the nominal pressure rating (at 20 °C), the permissible pressure reduces with increasing temperature!

Ball valve (Series 6D) with pneumatic part-turn actuator (STANDARD), spring return, 3-way, vertical, with L-bore

6



Article-Nr	Nominal Diameter	Connection	Material
6D702F0414PFFP	DN04	G1/4"	PFA/FPM
6D702F0414PVFP	DN04	G1/4"	PVDF/FPM
6D802F0414PFFP	DN04	NPT1/4"	PFA/FPM
6D802F0414PVFP	DN04	NPT1/4"	PVDF/FPM

Dimensions 6D...

	G / NPT	L	L2	L3	L4	L5	L6	H	h	D1	D3	a	d	d1	α
6D...	1/4"	65	~	8	3	34	~	~	~	Ø	Ø	Ø	4.5	8	18,5°
6D...	1/2"	100	50	~	10	4	34	~	~	Ø	Ø	Ø	4.5	10	25°

Materials 6L..., 6D..., 6H..., 6G..., 6R...

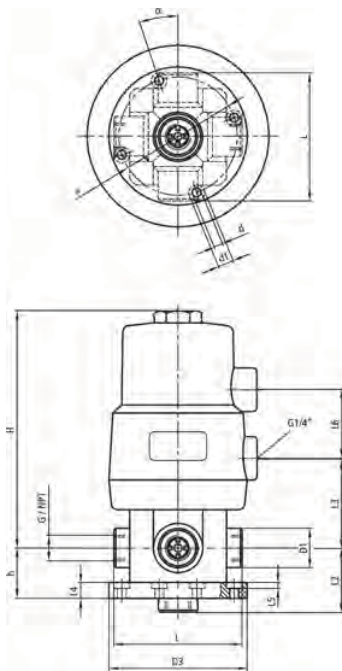
	PP	PVDF	PFA
Housing	PP	PVDF	PFA
Ball	PP	PVDF	PTFE
Sealing sleeve	PTFE	PTFE	PTFE
Pressure screw**	PP	PVDF	PTFE
O-ring*	FPM	FPM	FPM

Technical data 6D...

Max. media temperature*	PP	PVDF	PFA	
	90 °C	120 °C	180 °C	
Pressure stage	PN 10			
Kvs-value	DN 04	DN 06	DN 08	DN 10
6D701...	0.61 m ³ /h	0.9 m ³ /h	./.	3.9 m ³ /h
6D702...	0.58 m ³ /h	0.85 m ³ /h	./.	./.
6D732...	0.58 m ³ /h	0.85 m ³ /h	./.	3.7 m ³ /h
6D733...	0.58 m ³ /h	0.85 m ³ /h	./.	3.7 m ³ /h
6D741...	0.61 m ³ /h	0.9 m ³ /h	./.	3.9 m ³ /h
6D744...	0.45 m ³ /h	0.65 m ³ /h	./.	./.
6D801...	0.61 m ³ /h	./.	1.9 m ³ /h	./.
6D802...	0.58 m ³ /h	./.	./.	./.
6D832...	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6D833...	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6D841...	0.61 m ³ /h	./.	1.6 m ³ /h	./.
6D844...	0.45 m ³ /h	./.	./.	./.

Ball valve (Series 6D) with pneumatic part-turn actuator (STANDARD), spring return, 3-way, horizontal, with L-bore

6



Article-Nr	Nominal Diameter	Connection	Material
6D732F0414PFEP	DN04	G1/4"	PFA/EPDM
6D732F0414PFFK	DN04	G1/4"	PFA/FFKM
6D732F0414PFFP	DN04	G1/4"	PFA/FPM
6D732F0414PPFP	DN04	G1/4"	PP/FPM
6D732F0414PVFK	DN04	G1/4"	PVDF/FFKM
6D732F0414PVFP	DN04	G1/4"	PVDF/FPM
6D732F0614PFFK	DN06	G1/4"	PFA/FFKM
6D732F0614PFFP	DN06	G1/4"	PFA/FPM
6D732F0614PPFP	DN06	G1/4"	PP/FPM
6D732F0614PVFK	DN06	G1/4"	PVDF/FFKM
6D732F0614PVFP	DN06	G1/4"	PVDF/FPM
6D732F0812PFFK	DN08	G1/2"	PFA/FFKM
6D732F1012PFFK	DN10	G1/2"	PFA/FFKM
6D732F1012PFFP	DN10	G1/2"	PFA/FPM
6D732F1012PPEP	DN10	G1/2"	PP/EPDM
6D732F1012PPFP	DN10	G1/2"	PP/FPM
6D732F1012PVEP	DN10	G1/2"	PVDF/EPDM
6D732F1012PVFK	DN10	G1/2"	PVDF/FFKM
6D732F1012PVFP	DN10	G1/2"	PVDF/FPM
6D832F0414PFFK	DN04	NPT1/4"	PFA/FFKM
6D832F0414PFFP	DN04	NPT1/4"	PFA/FPM
6D832F0414PVFK	DN04	NPT1/4"	PVDF/FFKM
6D832F0414PVFP	DN04	NPT1/4"	PVDF/FPM
6D832F0812PFFP	DN08	NPT1/2"	PFA/FPM
6D832F0812PVFP	DN08	NPT1/2"	PVDF/FPM

Dimensions 6D...

	G / NPT	L	L2	L3	L4	L5	L6	H	h	D1	D3	a	d	d1	α
6D...	1/4"	65	32,5	45,5	8	3	34	~	~	∅ 20	∅ 70	∅ 60	4,5	8	18,5°
6D...	1/2"	100	50	45,5	10	4	34	~	~	∅ 30	∅ 96	∅ 83	4,5	10	25°

Materials 6L..., 6D..., 6H..., 6G..., 6R...

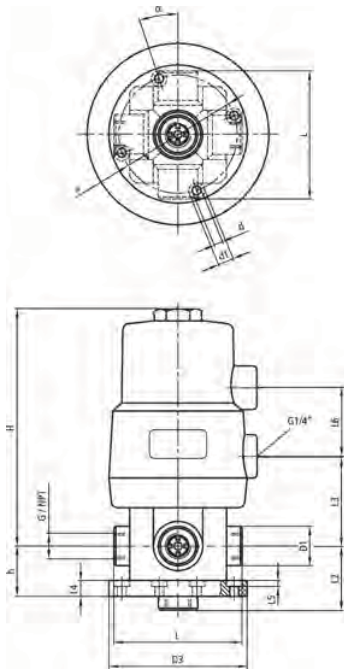
	Housing	PP	PVDF	PFA
Ball		PP	PVDF	PTFE
Sealing sleeve		PTFE	PTFE	PTFE
Pressure screw**		PP	PVDF	PTFE
O-ring*		FPM	FPM	FPM

Technical data 6D...

Max. media temperature*	PP	PVDF	PFA
	90 °C	120 °C	180 °C
Pressure stage	PN 10		
Kvs-value	DN 04	DN 06	DN 08
6D701...	0.61 m ³ /h	0.9 m ³ /h	3.9 m ³ /h
6D702...	0.58 m ³ /h	0.85 m ³ /h	3.7 m ³ /h
6D732...	0.58 m ³ /h	0.85 m ³ /h	3.7 m ³ /h
6D733...	0.58 m ³ /h	0.85 m ³ /h	3.7 m ³ /h
6D741...	0.61 m ³ /h	0.9 m ³ /h	3.9 m ³ /h
6D744...	0.45 m ³ /h	0.65 m ³ /h	2.7 m ³ /h
6D801...	0.61 m ³ /h	1.9 m ³ /h	7.6 m ³ /h
6D802...	0.58 m ³ /h	1.6 m ³ /h	6.4 m ³ /h
6D832...	0.58 m ³ /h	1.6 m ³ /h	6.4 m ³ /h
6D833...	0.58 m ³ /h	1.6 m ³ /h	6.4 m ³ /h
6D841...	0.61 m ³ /h	1.9 m ³ /h	7.6 m ³ /h
6D844...	0.45 m ³ /h	0.65 m ³ /h	2.7 m ³ /h

Ball valve (Series 6D)with pneumatic part-turn actuator (STANDARD), spring return, 3-way, horizontal, with T-bore

6



Article-Nr	Nominal Diameter	Connection	Material
6D733F0414PVFP	DN04	G1/4"	PVDF/FPM
6D733F0614PPFP	DN06	G1/4"	PP/FPM
6D733F1012PPFK	DN10	G1/2"	PFA/FFKM
6D733F1012PPFP	DN10	G1/2"	PP/FPM
6D733F1012PVFP	DN10	G1/2"	PVDF/FPM
6D833F0414PVFP	DN04	NPT1/4"	PVDF/FPM

Dimensions 6D...

	G / NPT	L	L2	L3	L4	L5	L6	H	h	D1	D3	a	d	d1	α
6D...	1/4"	65	32,5	45,5	8	3	34	~	~	∅ 20	∅ 70	∅ 60	4,5	8	18,5°
6D...	1/2"	100	50	~	10	4	34	~	~	∅ 30	∅ 96	∅ 83	4,5	10	25°

Materials 6L..., 6D..., 6H..., 6G..., 6R...

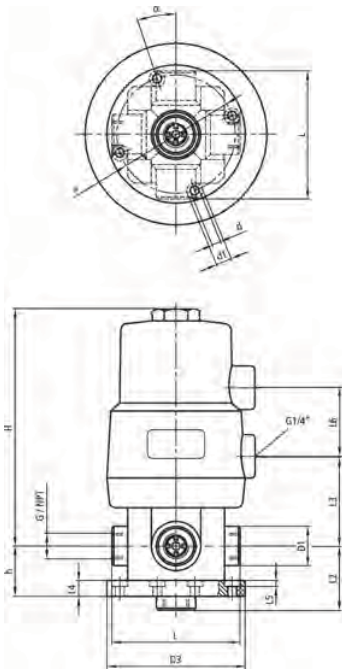
Housing	PP	PVDF	PFA
Ball	PP	PVDF	PTFE
Sealing sleeve	PTFE	PTFE	PTFE
Pressure screw**	PP	PVDF	PTFE
O-ring*	FPM	FPM	FPM

Technical data 6D...

Max. media temperature*	PP	PVDF	PFA	
	90 °C	120 °C	180 °C	
Pressure stage	PN 10			
Kvs-value	DN 04	DN 06	DN 08	DN 10
6D701...	0.61 m ³ /h	0.9 m ³ /h	./.	3.9 m ³ /h
6D702...	0.58 m ³ /h	0.85 m ³ /h	./.	./.
6D732...	0.58 m ³ /h	0.85 m ³ /h	./.	3.7 m ³ /h
6D733...	0.58 m ³ /h	0.85 m ³ /h	./.	3.7 m ³ /h
6D741...	0.61 m ³ /h	0.9 m ³ /h	./.	3.9 m ³ /h
6D744...	0.45 m ³ /h	0.65 m ³ /h	./.	./.
6D801...	0.61 m ³ /h	./.	1.9 m ³ /h	./.
6D802...	0.58 m ³ /h	./.	./.	./.
6D832...	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6D833...	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6D841...	0.61 m ³ /h	./.	1.6 m ³ /h	./.
6D844...	0.45 m ³ /h	./.	./.	./.

Ball valve (Series 6D) with pneumatic part-turn actuator (STANDARD), spring return, 4-way, with double L-bore

6



Article-Nr	Nominal Diameter	Connection	Material
6D744F0414PFFK	DN04	G1/4"	PFA/FFKM
6D744F0414PFFP	DN04	G1/4"	PFA/FPM
6D744F0612PFFK	DN06	G1/2"	PFA/FFKM
6D744F0612PVFP	DN06	G1/2"	PVDF/FPM

Dimensions 6D...

	G / NPT	L	L2	L3	L4	L5	L6	H	h	D1	D3	a	d	d1	α
6D...	1/4"	65	~	8	3	34	~	~	Ø	Ø	Ø	4.5	8	18,5°	
6D...	1/2"	100	50	~	10	4	34	~	~	Ø	Ø	4.5	10	25°	

Materials 6L..., 6D..., 6H..., 6G..., 6R...

	PP	PVDF	PFA
Housing	PP	PVDF	PFA
Ball	PP	PVDF	PTFE
Sealing sleeve	PTFE	PTFE	PTFE
Pressure screw**	PP	PVDF	PTFE
O-ring*	FPM	FPM	FPM

Technical data 6D...

Max. media temperature*	PP	PVDF	PFA	
	90 °C	120 °C	180 °C	
Pressure stage	PN 10			
Kvs-value	DN 04	DN 06	DN 08	DN 10
6D701...	0.61 m ³ /h	0.9 m ³ /h	./.	3.9 m ³ /h
6D702...	0.58 m ³ /h	0.85 m ³ /h	./.	./.
6D732...	0.58 m ³ /h	0.85 m ³ /h	./.	3.7 m ³ /h
6D733...	0.58 m ³ /h	0.85 m ³ /h	./.	3.7 m ³ /h
6D741...	0.61 m ³ /h	0.9 m ³ /h	./.	3.9 m ³ /h
6D744...	0.45 m ³ /h	0.65 m ³ /h	./.	./.
6D801...	0.61 m ³ /h	./.	1.9 m ³ /h	./.
6D802...	0.58 m ³ /h	./.	./.	./.
6D832...	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6D833...	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6D841...	0.61 m ³ /h	./.	1.6 m ³ /h	./.
6D844...	0.45 m ³ /h	./.	./.	./.

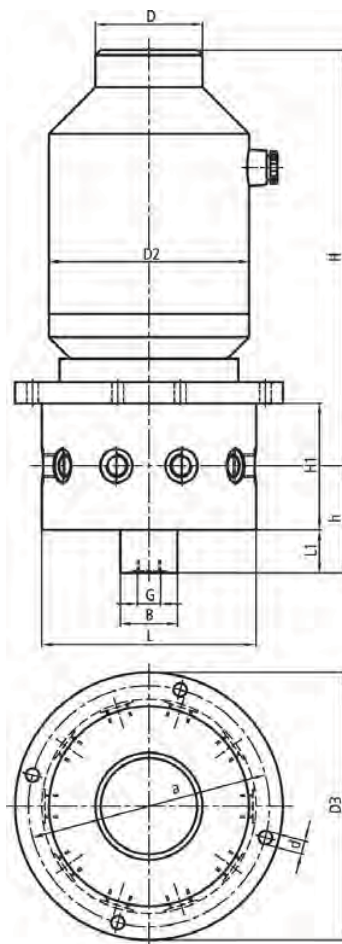


- 1) Housing made of impactresistant PP
- 2) Wear-free and inductive proximity switch as position indicator ⇒ Suitable for long-term applications ⇒ Reproducible settings
- 3) DC micromotor with planetary gear ⇒ Safe and reliable ⇒ Short switching time
- 4) Series 6A ball valve Multiway designs ⇒ 7 to 11-way

The Series 6E ball valves comprise Series 6A ball valves and our electrical part-turn actuator (STANDARD). The electrical part-turn actuator provides optimal operation of the ball valve. A high quality DC motor guarantees safety and reliability in the application. A wear-free, inductive proximity switch indicates the position of the ball. Beginning with the 7-way ball valve, actuator and ball valve are individually configured and matched.

Ball valve (Series 6E), with electrical part-turn actuator (STANDARD), 11-way, with L-bore, in block form

6



Article-Nr	Nominal Diameter	Connection	Material
6E711F0414PTFK	DN04	G1/4"	PTFE/FFKM

Dimensions 6E...

	G	L	L1	h	H	H1	B	D	D2	D3	a	d	d1
6E770... G 1/4"	98	25	49	~	235,5	58,5	32	∅ 60	∅ 112	-	-	-	-
6E790... G 1/4"	∅ 120	25	60	~	248	70	32	∅ 60	∅ 112	-	∅ 135	∅ 6,5	∅ 12
6E711... G 1/4"	∅ 120	24	60	~	233	71	32	∅ 60	∅ 112	∅ 150	∅ 135	∅ 6,5	-

Materials 6E... and 6Z...

Housing	PVDF	PTFE
Ball	PVDF	PTFE
Sealing sleeve	PTFE	PTFE
Pressure screw**	PVDF	PTFE
O-ring*	FPM	FPM

* EPDM, FFKM on request ** only with G1/2" or NPT

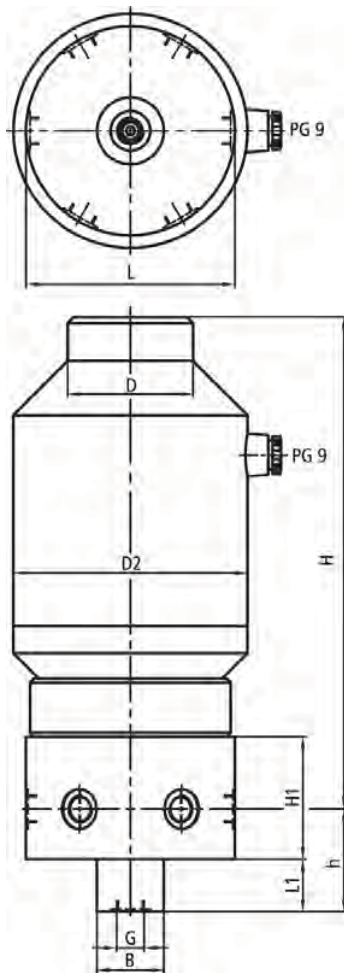
Technical data 6E...

Max. media temperature*	PVDF	PTFE
	120 °C	150 °C
Pressure stage	PN 10	PN 6
Kvs-value	DN 04	
6E770...	0.58 m ³ /h	
6E790...	0.58 m ³ /h	

* Starting from the nominal pressure rating (at 20 °C), the permissible pressure reduces with increasing temperature!

Ball valve (Series 6E), with electrical part-turn actuator (STANDARD), 7-way, with L-bore, in block form

6



Article-Nr	Nominal Diameter	Connection	Material
6E770F0414PTFK	DN04	G1/4"	PTFE/FFKM
6E770F0414PVFP	DN04	G1/4"	PVDF/FPM

Dimensions 6E...

	G	L	L1	h	H	H1	B	D	D2	D3	a	d	d1
6E770... 1/4"	G 1/4"	98	25	49	~ 235,5	58.5	32	∅ 60	∅ 112	-	-	-	-
6E790... 1/4"	G 1/4"	∅ 120	25	60	~ 248	70	32	∅ 60	∅ 112	-	∅ 135	∅ 6,5	∅ 12
6E711... 1/4"	G 1/4"	∅ 120	24	60	~ 233	71	32	∅ 60	∅ 112	∅ 150	∅ 135	∅ 6,5	-

Materials 6E... and 6Z...

Housing	PVDF	PTFE
Ball	PVDF	PTFE
Sealing sleeve	PTFE	PTFE
Pressure screw**	PVDF	PTFE
O-ring*	FPM	FPM

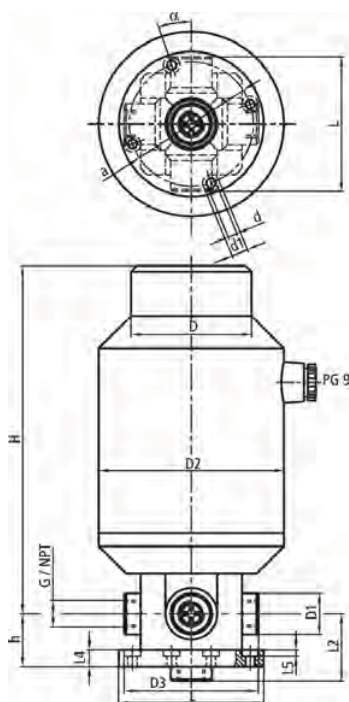
Technical data 6E...

Max. media temperature*	PVDF 120 °C	PTFE 150 °C
Pressure stage	PN 10	PN 6
Kvs-value	DN 04	
6E770...	0.58 m ³ /h	
6E790...	0.58 m ³ /h	



- 1) Housing made of impactresistant PP
- 2) Wear-free and inductive proximity switch as position indicator ⇒ Suitable for long-term applications ⇒ Reproducible settings
- 3) DC micromotor with planetary gear ⇒ Safe and reliable ⇒ Short switching time
- 4) Series 6L ball valve
- 5) Mounting using special mounting bracket

The Series 6G ball valves comprise Series 6L ball valves and our electrical part-turn actuator 6E3000.00. The electrical part-turn actuator provides optimal operation of the ball valve. A high quality DC motor guarantees safety and reliability in the application. A wear-free, inductive proximity switch indicates the position of the ball.



Article-Nr	Nominal Diameter	Connection	Material
6G701F0414PFFK	DN04	G1/4"	PFA/FFKM
6G701F0414PVFP	DN04	G1/4"	PVDF/FPM
6G701F1012PFFK	DN10	G1/2"	PFA/FFKM
6G701F1012PFFP	DN10	G1/2"	PFA/FPM
6G701F1012PPFP	DN10	G1/2"	PP/FPM
6G701F1012PVFP	DN10	G1/2"	PVDF/FPM
6G802F0414PFFP	DN04	NPT1/4"	PFA/FPM

Dimensions 6G...

	G / NPT	L	L2	L4	L5	H	h	D	D1	D2	D3	a	d	d1	α
6G...	1/4"	65	32.5	8	3	~	~	∅	∅	∅	∅	∅	4.5	8	18,5°
6G...	1/2"	100	-	10	4	~	~	∅	∅	∅	∅	∅	5.5	10	25°

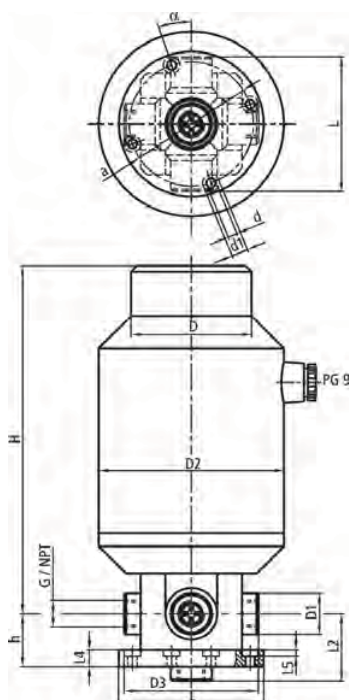
Materials 6L..., 6D..., 6H..., 6G..., 6R...

Housing	PP	PVDF	PFA
Ball	PP	PVDF	PTFE
Sealing sleeve	PTFE	PTFE	PTFE
Pressure screw**	PP	PVDF	PTFE
O-ring*	FPM	FPM	FPM

Technical data 6G...

Max. media temperature*	PP	PVDF	PFA	
	90 °C	120 °C	180 °C	
Pressure stage	PN 10			
Kvs-value	DN 04	DN 06	DN 08	DN 10
6L701...	0.61 m ³ /h	0.9 m ³ /h	./.	3.9 m ³ /h
6L702...	0.58 m ³ /h	0.85 m ³ /h	./.	./.
6L732...	0.58 m ³ /h	0.85 m ³ /h	./.	3.7 m ³ /h
6L733...	0.58 m ³ /h	0.85 m ³ /h	./.	3.7 m ³ /h
6L741...	0.61 m ³ /h	0.9 m ³ /h	./.	3.9 m ³ /h
6L744...	0.45 m ³ /h	0.65 m ³ /h	./.	./.
6L750...	0.58 m ³ /h	0.85 m ³ /h	./.	./.
6L801...	0.61 m ³ /h	./.	1.9 m ³ /h	./.
6L802...	0.58 m ³ /h	./.	./.	./.
6L832...	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6L833...	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6L841...	0.61 m ³ /h	./.	1.6 m ³ /h	./.
6L844...	0.45 m ³ /h	./.	./.	./.
6L850...	0.58 m ³ /h	./.	./.	./.

* Starting from the nominal pressure rating (at 20 °C), the permissible pressure reduces with increasing temperature!



Article-Nr	Nominal Diameter	Connection	Material
6G702F0414PFFP	DN04	G1/4"	PFA/FPM
6G702F0614PFEP	DN06	G1/4"	PFA/EPDM

Dimensions 6G...

	G / NPT	L	L2	L4	L5	H	h	D	D1	D2	D3	a	d	d1	α
6G...	65	8	3	~	~	∅	∅	∅	∅	∅	∅	∅	8	18,5°	
	1/4"	32.5		172,5	25,5	60	20	92	70	60	4.5				
6G...	100	10	4	~	~	∅	∅	∅	∅	∅	∅	5.5	10	25°	
	1/2"			197,	32	60	30	92	96	83					

Materials 6L..., 6D..., 6H..., 6G..., 6R...

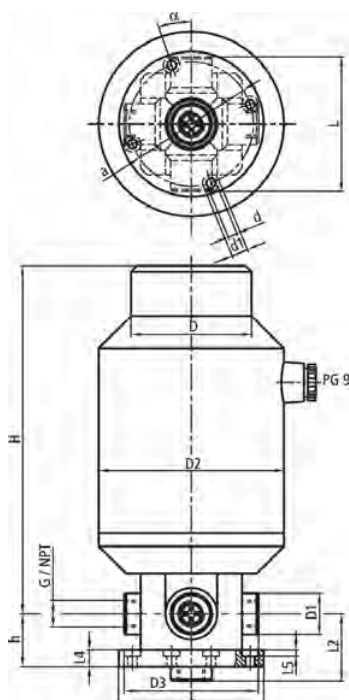
Housing	PP	PVDF	PFA
Ball	PP	PVDF	PTFE
Sealing sleeve	PTFE	PTFE	PTFE
Pressure screw**	PP	PVDF	PTFE
O-ring*	FPM	FPM	FPM

Technical data 6G...

Max. media temperature*	PP	PVDF	PFA	
	90 °C	120 °C	180 °C	
Pressure stage	PN 10			
Kvs-value	DN 04	DN 06	DN 08	DN 10
6L701...	0.61 m ³ /h	0.9 m ³ /h	./.	3.9 m ³ /h
6L702...	0.58 m ³ /h	0.85 m ³ /h	./.	./.
6L732...	0.58 m ³ /h	0.85 m ³ /h	./.	3.7 m ³ /h
6L733...	0.58 m ³ /h	0.85 m ³ /h	./.	3.7 m ³ /h
6L741...	0.61 m ³ /h	0.9 m ³ /h	./.	3.9 m ³ /h
6L744...	0.45 m ³ /h	0.65 m ³ /h	./.	./.
6L750...	0.58 m ³ /h	0.85 m ³ /h	./.	./.
6L801...	0.61 m ³ /h	./.	1.9 m ³ /h	./.
6L802...	0.58 m ³ /h	./.	./.	./.
6L832...	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6L833...	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6L841...	0.61 m ³ /h	./.	1.6 m ³ /h	./.
6L844...	0.45 m ³ /h	./.	./.	./.
6L850...	0.58 m ³ /h	./.	./.	./.

Ball valve (Series 6G), 3-way, horizontal, with L-bore

6



Article-Nr	Nominal Diameter	Connection	Material
6G732F0414PPFP	DN04	G1/4"	PFA/FPM
6G732F0414PPFP	DN04	G1/4"	PP/FPM
6G732F0414PVFP	DN04	G1/4"	PVDF/FPM
6G732F0614PPFK	DN06	G1/4"	PFA/FFKM
6G732F0614PPFP	DN06	G1/4"	PP/FPM
6G732F0614PVFK	DN06	G1/4"	PVDF/FFKM
6G732F1012PPFK	DN10	G1/2"	PP/FFKM
6G732F1012PPFP	DN10	G1/2"	PP/FPM

Dimensions 6G. . .

	G / NPT	L	L2	L4	L5	H	h	D	D1	D2	D3	a	d	d1	α
6G. . .	1/4"	65	32.5	8	3	~	~	∅	∅	∅	∅	∅	4.5	8	18,5°
6G.	1/2"	100	-	10	4	~	~	∅	∅	∅	∅	∅	5.5	10	25°

Materials 6L..., 6D..., 6H..., 6G..., 6R...

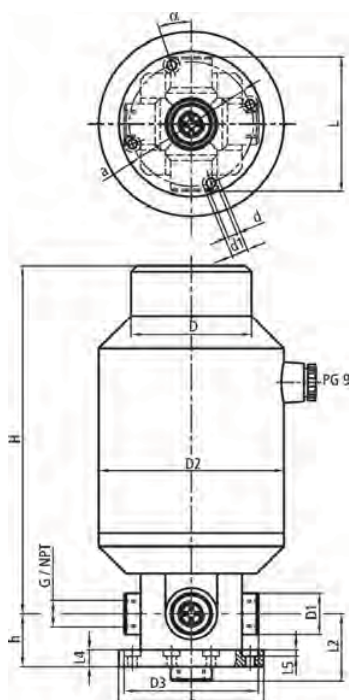
Housing	PP	PVDF	PFA
Ball	PP	PVDF	PTFE
Sealing sleeve	PTFE	PTFE	PTFE
Pressure screw**	PP	PVDF	PTFE
O-ring*	FPM	FPM	FPM

Technical data 6G. . .

Max. media temperature*	PP	PVDF	PFA	
	90 °C	120 °C	180 °C	
Pressure stage	PN 10			
Kvs-value	DN 04	DN 06	DN 08	DN 10
6L701. . .	0.61 m ³ /h	0.9 m ³ /h	./.	3.9 m ³ /h
6L702. . .	0.58 m ³ /h	0.85 m ³ /h	./.	./.
6L732. . .	0.58 m ³ /h	0.85 m ³ /h	./.	3.7 m ³ /h
6L733. . .	0.58 m ³ /h	0.85 m ³ /h	./.	3.7 m ³ /h
6L741. . .	0.61 m ³ /h	0.9 m ³ /h	./.	3.9 m ³ /h
6L744. . .	0.45 m ³ /h	0.65 m ³ /h	./.	./.
6L750. . .	0.58 m ³ /h	0.85 m ³ /h	./.	./.
6L801. . .	0.61 m ³ /h	./.	1.9 m ³ /h	./.
6L802. . .	0.58 m ³ /h	./.	./.	./.
6L832. . .	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6L833. . .	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6L841. . .	0.61 m ³ /h	./.	1.6 m ³ /h	./.
6L844. . .	0.45 m ³ /h	./.	./.	./.
6L850. . .	0.58 m ³ /h	./.	./.	./.

Ball valve (Series 6G), 3-way, horizontal, with T-bore

6



Article-Nr	Nominal Diameter	Connection	Material
6G733F1012PVFP	DN10	G1/2"	PVDF/FPM

Dimensions 6G. . .

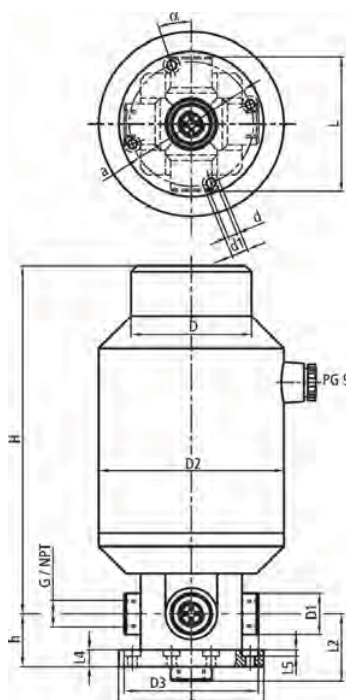
	G / NPT	L	L2	L4	L5	H	h	D	D1	D2	D3	a	d	d1	α
6G. . .	1/4"	65	32.5	8	3	~	~	\emptyset	\emptyset	\emptyset	\emptyset	\emptyset	4.5	8	18,5°
6G.	1/2"	100	-	10	4	~	~	\emptyset	\emptyset	\emptyset	\emptyset	\emptyset	5.5	10	25°

Materials 6L..., 6D..., 6H..., 6G..., 6R...

Housing	PP	PVDF	PFA
Ball	PP	PVDF	PTFE
Sealing sleeve	PTFE	PTFE	PTFE
Pressure screw**	PP	PVDF	PTFE
O-ring*	FPM	FPM	FPM

Technical data 6G. . .

Max. media temperature*	PP	PVDF	PFA	
	90 °C	120 °C	180 °C	
Pressure stage	PN 10			
Kvs-value	DN 04	DN 06	DN 08	DN 10
6L701. . .	0.61 m ³ /h	0.9 m ³ /h	. / .	3.9 m ³ /h
6L702. . .	0.58 m ³ /h	0.85 m ³ /h	. / .	. / .
6L732. . .	0.58 m ³ /h	0.85 m ³ /h	. / .	3.7 m ³ /h
6L733. . .	0.58 m ³ /h	0.85 m ³ /h	. / .	3.7 m ³ /h
6L741. . .	0.61 m ³ /h	0.9 m ³ /h	. / .	3.9 m ³ /h
6L744. . .	0.45 m ³ /h	0.65 m ³ /h	. / .	. / .
6L750. . .	0.58 m ³ /h	0.85 m ³ /h	. / .	. / .
6L801. . .	0.61 m ³ /h	. / .	1.9 m ³ /h	. / .
6L802. . .	0.58 m ³ /h	. / .	. / .	. / .
6L832. . .	0.58 m ³ /h	. / .	1.6 m ³ /h	. / .
6L833. . .	0.58 m ³ /h	. / .	1.6 m ³ /h	. / .
6L841. . .	0.61 m ³ /h	. / .	1.6 m ³ /h	. / .
6L844. . .	0.45 m ³ /h	. / .	. / .	. / .
6L850. . .	0.58 m ³ /h	. / .	. / .	. / .



Article-Nr	Nominal Diameter	Connection	Material
6G744F0414PPFP	DN04	G1/4"	PFA/FPM
6G744F0414PPFP	DN04	G1/4"	PP/FPM
6G744F0612PPFP	DN06	G1/2"	PP/FPM

Dimensions 6G...

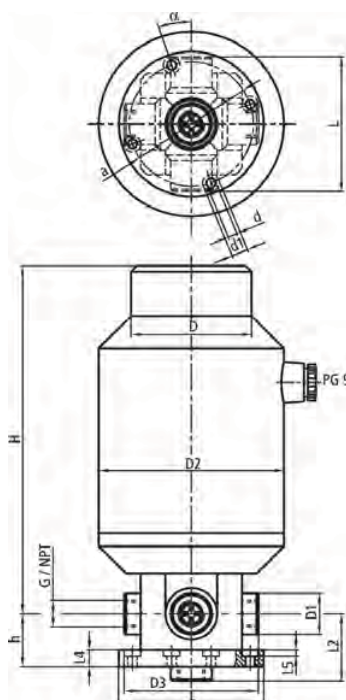
	G / NPT	L	L2	L4	L5	H	h	D	D1	D2	D3	a	d	d1	α
6G...	65			8	3	~	~	∅	∅	∅	∅	∅		8	
1/4"		32.5				172,5	25,5	60	20	92	70	60	4.5		18,5°
6G...	100			10	4	~	~	∅	∅	∅	∅	∅		10	
1/2"		100				197,	32	60	30	92	96	83	5.5		25°

Materials 6L..., 6D..., 6H..., 6G..., 6R...

Housing	PP	PVDF	PFA
Ball	PP	PVDF	PTFE
Sealing sleeve	PTFE	PTFE	PTFE
Pressure screw**	PP	PVDF	PTFE
O-ring*	FPM	FPM	FPM

Technical data 6G...

Max. media temperature*	PP	PVDF	PFA	
	90 °C	120 °C	180 °C	
Pressure stage	PN 10			
Kvs-value	DN 04	DN 06	DN 08	DN 10
6L701...	0.61 m ³ /h	0.9 m ³ /h	./.	3.9 m ³ /h
6L702...	0.58 m ³ /h	0.85 m ³ /h	./.	./.
6L732...	0.58 m ³ /h	0.85 m ³ /h	./.	3.7 m ³ /h
6L733...	0.58 m ³ /h	0.85 m ³ /h	./.	3.7 m ³ /h
6L741...	0.61 m ³ /h	0.9 m ³ /h	./.	3.9 m ³ /h
6L744...	0.45 m ³ /h	0.65 m ³ /h	./.	./.
6L750...	0.58 m ³ /h	0.85 m ³ /h	./.	./.
6L801...	0.61 m ³ /h	./.	1.9 m ³ /h	./.
6L802...	0.58 m ³ /h	./.	./.	./.
6L832...	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6L833...	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6L841...	0.61 m ³ /h	./.	1.6 m ³ /h	./.
6L844...	0.45 m ³ /h	./.	./.	./.
6L850...	0.58 m ³ /h	./.	./.	./.



Article-Nr	Nominal Diameter	Connection	Material
6G750F0414PFFK	DN04	G1/4"	PFA/FFKM
6G750F0414PPFP	DN04	G1/4"	PP/FPM
6G750F0614PVFP	DN06	G1/4"	PVDF/FPM

Dimensions 6G...

	G / NPT	L	L2	L4	L5	H	h	D	D1	D2	D3	a	d	d1	α
6G...	65		8	3	~	~	∅	∅	∅	∅	∅			8	
1/4"		32.5				172,5	25,5	60	20	92	70	60	4.5		18,5°
6G...	100		10	4	~	~	∅	∅	∅	∅	∅			10	
1/2"		100				197,	32	60	30	92	96	83	5.5		25°

Materials 6L..., 6D..., 6H..., 6G..., 6R...

Housing	PP	PVDF	PFA
Ball	PP	PVDF	PTFE
Sealing sleeve	PTFE	PTFE	PTFE
Pressure screw**	PP	PVDF	PTFE
O-ring*	FPM	FPM	FPM

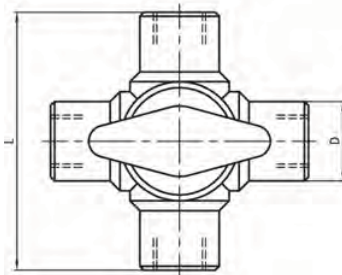
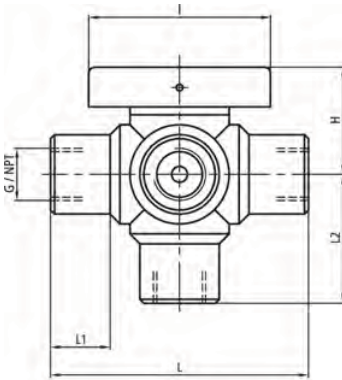
Technical data 6G...

Max. media temperature*	PP	PVDF	PFA	
	90 °C	120 °C	180 °C	
Pressure stage	PN 10			
Kvs-value	DN 04	DN 06	DN 08	DN 10
6L701...	0.61 m ³ /h	0.9 m ³ /h	./.	3.9 m ³ /h
6L702...	0.58 m ³ /h	0.85 m ³ /h	./.	./.
6L732...	0.58 m ³ /h	0.85 m ³ /h	./.	3.7 m ³ /h
6L733...	0.58 m ³ /h	0.85 m ³ /h	./.	3.7 m ³ /h
6L741...	0.61 m ³ /h	0.9 m ³ /h	./.	3.9 m ³ /h
6L744...	0.45 m ³ /h	0.65 m ³ /h	./.	./.
6L750...	0.58 m ³ /h	0.85 m ³ /h	./.	./.
6L801...	0.61 m ³ /h	./.	1.9 m ³ /h	./.
6L802...	0.58 m ³ /h	./.	./.	./.
6L832...	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6L833...	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6L841...	0.61 m ³ /h	./.	1.6 m ³ /h	./.
6L844...	0.45 m ³ /h	./.	./.	./.
6L850...	0.58 m ³ /h	./.	./.	./.



- 1) Thread seam-less in accordance with DIN, USAS or JIS ⇒ Numerous connection options
- 2) Nominal diameter DN 03 to DN 10 high KV value ⇒ Good flow rate even with soiled media
- 3) Sealing sleeve made of PTFE ⇒ Max. media resistance
- 4) Stem sealing with O-ring
- 5) Ball and stem made in one piece ⇒ Maximum tightness
- 6) Simultaneous centring and sealing of the ball ⇒ Maximum tightness also at the connections

The Series 6L ball valves are light and compact. They are available in various nominal diameters and versions with female G- or NPTthreads – from the simple 2-way valve to the versatile 5-way valve. The materials available (PP, PP natural, PVDF and PFA) provide high media resistance and thus offer a wide range of applications. A special fastening system makes assembly straightforward wherever required.



Article-Nr	Nominal Diameter	Connection	Material
6L701F0318PPFP	DN03	G1/8"	PP/FPM
6L701F0318PVFP	DN03	G1/8"	PVDF/FPM
6L701F0414PFEP	DN04	G1/4"	PFA/EPDM
6L701F0414PFFK	DN04	G1/4"	PFA/FFKM
6L701F0414PFFP	DN04	G1/4"	PFA/FPM
6L701F0414PNEP	DN04	G1/4"	PP-NATUR/EPDM
6L701F0414PNFP	DN04	G1/4"	PP-NATUR/FPM
6L701F0414PPEP	DN04	G1/4"	PP/EPDM
6L701F0414PPFP	DN04	G1/4"	PP/FPM
6L701F0414PVEP	DN04	G1/4"	PVDF/EPDM
6L701F0414PVFK	DN04	G1/4"	PVDF/FFKM
6L701F0414PVFP	DN04	G1/4"	PVDF/FPM
6L701F0614PFFK	DN06	G1/4"	PFA/FFKM
6L701F0614PFFP	DN06	G1/4"	PFA/FPM
6L701F0614PNFP	DN06	G1/4"	PP-NATUR/FPM
6L701F0614PPEP	DN06	G1/4"	PP/EPDM
6L701F0614PPFK	DN06	G1/4"	PP/FFKM
6L701F0614PPFP	DN06	G1/4"	PP/FPM
6L701F0614PVEP	DN06	G1/4"	PVDF/EPDM
6L701F0614PVFK	DN06	G1/4"	PVDF/FFKM
6L701F0614PVFP	DN06	G1/4"	PVDF/FPM
6L701F0812PNFP	DN08	G1/2"	PP-NATUR/FPM
6L701F0812PPFP	DN08	G1/2"	PP/FPM
6L701F0812PVFP	DN08	G1/2"	PVDF/FPM
6L701F1012PFEP	DN10	G1/2"	PFA/EPDM
6L701F1012PFFK	DN10	G1/2"	PFA/FFKM
6L701F1012PFFP	DN10	G1/2"	PFA/FPM
6L701F1012PNEP	DN10	G1/2"	PP-NATUR/EPDM
6L701F1012PNFP	DN10	G1/2"	PP-NATUR/FPM
6L701F1012PPEP	DN10	G1/2"	PP/EPDM
6L701F1012PPFP	DN10	G1/2"	PP/FPM
6L701F1012PVEP	DN10	G1/2"	PVDF/EPDM
6L701F1012PVFK	DN10	G1/2"	PVDF/FFKM
6L701F1012PVFP	DN10	G1/2"	PVDF/FPM
6L801F0318PFFP	DN03	NPT1/8"	PFA/FPM
6L801F0318PPFP	DN03	NPT1/8"	PP/FPM
6L801F0318PVFP	DN03	NPT1/8"	PVDF/FPM
6L801F0414PFEP	DN04	NPT1/4"	PFA/EPDM
6L801F0414PFFK	DN04	NPT1/4"	PFA/FFKM
6L801F0414PFFP	DN04	NPT1/4"	PFA/FPM
6L801F0414PNFP	DN04	NPT1/4"	PP-NATUR/FPM
6L801F0414PPEP	DN04	NPT1/4"	PP/EPDM
6L801F0414PPFP	DN04	NPT1/4"	PP/FPM
6L801F0414PVFK	DN04	NPT1/4"	PVDF/FFKM
6L801F0414PVFP	DN04	NPT1/4"	PVDF/FPM
6L801F0812PFEP	DN08	NPT1/2"	PFA/EPDM
6L801F0812PFFK	DN08	NPT1/2"	PFA/FFKM
6L801F0812PFFP	DN08	NPT1/2"	PFA/FPM
6L801F0812PPFP	DN08	NPT1/2"	PP/FPM
6L801F0812PVFK	DN08	NPT1/2"	PVDF/FFKM
6L801F0812PVFP	DN08	NPT1/2"	PVDF/FPM

Dimensions 6L...

	G / NPT	D	L	L1	L2	I	H
6L...	1/8"	16	52	13	26	39	~ 26
6L...	1/4"	20	65	15	32.5	40	~ 27
6L...	1/2"	30	100	22	-	58	~ 47

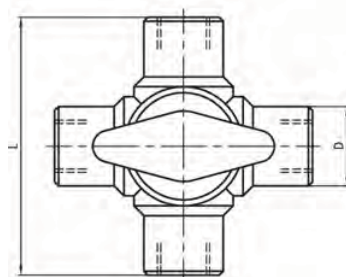
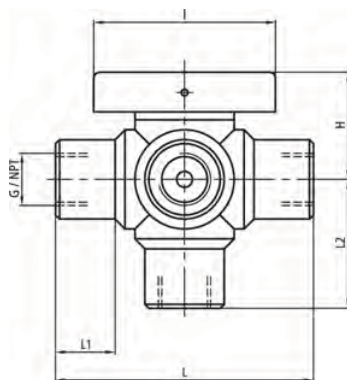
Materials 6L..., 6D..., 6H..., 6G..., 6R...

Housing	PP	PVDF	PFA
Ball	PP	PVDF	PTFE
Sealing sleeve	PTFE	PTFE	PTFE
Pressure screw**	PP	PVDF	PTFE
O-ring*	FPM	FPM	FPM

Technical data 6L...

Max. media temperature*	PP	PVDF	PFA		
	90°C	120°C	180°C		
Pressure stage	PN 10				
Kvs-value	DN 03	DN 04	DN 06	DN 08	DN 10
6L701...	0.5 m ³ /h	0.61 m ³ /h	0.9 m ³ /h	./.	3.9 m ³ /h
6L702...	0.4 m ³ /h	0.58 m ³ /h	0.85 m ³ /h	./.	./.
6L732...	0.4 m ³ /h	0.58 m ³ /h	0.85 m ³ /h	./.	3.7 m ³ /h
6L733...	0.4 m ³ /h	0.58 m ³ /h	0.85 m ³ /h	./.	3.7 m ³ /h
6L741...	0.5 m ³ /h	0.61 m ³ /h	0.9 m ³ /h	./.	3.9 m ³ /h
6L744...	0.25 m ³ /h	0.45 m ³ /h	0.65 m ³ /h	./.	./.
6L750...	0.4 m ³ /h	0.58 m ³ /h	0.85 m ³ /h	./.	./.
6L801...	0.5 m ³ /h	0.61 m ³ /h	./.	1.9 m ³ /h	./.
6L802...	0.4 m ³ /h	0.58 m ³ /h	./.	./.	./.
6L832...	0.4 m ³ /h	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6L833...	0.4 m ³ /h	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6L841...	0.5 m ³ /h	0.61 m ³ /h	./.	1.6 m ³ /h	./.
6L844...	0.25 m ³ /h	0.45 m ³ /h	./.	./.	./.
6L850...	0.4 m ³ /h	0.58 m ³ /h	./.	./.	./.

* Starting from the nominal pressure rating (at 20°C), the permissible pressure reduces with increasing temperature!



Article-Nr	Nominal Diameter	Connection	Material
6L702F0414PFFK	DN04	G1/4"	PFA/FFKM
6L702F0414PFFP	DN04	G1/4"	PFA/FPM
6L702F0414PPFP	DN04	G1/4"	PP/FPM
6L702F0414PVEP	DN04	G1/4"	PVDF/EPDM
6L702F0414PVFK	DN04	G1/4"	PVDF/FFKM
6L702F0414PVFP	DN04	G1/4"	PVDF/FPM
6L702F0614PFFP	DN06	G1/4"	PFA/FPM
6L702F0614PPFP	DN06	G1/4"	PP/FPM
6L702F0614PVFP	DN06	G1/4"	PVDF/FPM
6L802F0414PFFK	DN04	NPT1/4"	PFA/FFKM
6L802F0414PFFP	DN04	NPT1/4"	PFA/FPM
6L802F0414PPFP	DN04	NPT1/4"	PP/FPM
6L802F0414PVFP	DN04	NPT1/4"	PVDF/FPM

Dimensions 6L...

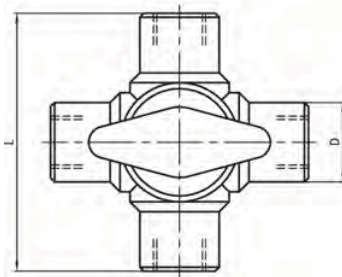
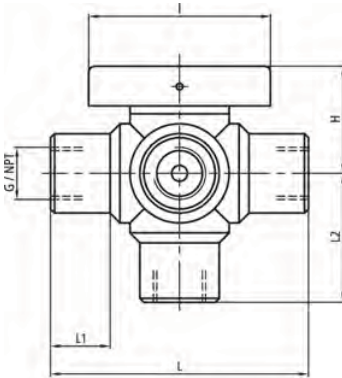
	G / NPT	D	L	L1	L2	I	H
6L...	1/8"	16	52	13	26	39	~ 26
6L...	1/4"	20	65	15	32.5	40	~ 27
6L...	1/2"	30	100	22	-	58	~ 47

Materials 6L..., 6D..., 6H..., 6G..., 6R...

Housing	PP	PVDF	PFA
Ball	PP	PVDF	PTFE
Sealing sleeve	PTFE	PTFE	PTFE
Pressure screw**	PP	PVDF	PTFE
O-ring*	FPM	FPM	FPM

Technical data 6L...

Max. media temperature*	PP	PVDF	PFA		
	90°C	120°C	180°C		
Pressure stage	PN 10				
Kvs-value	DN 03	DN 04	DN 06	DN 08	DN 10
6L701...	0.5 m ³ /h	0.61 m ³ /h	0.9 m ³ /h	./.	3.9 m ³ /h
6L702...	0.4 m ³ /h	0.58 m ³ /h	0.85 m ³ /h	./.	./.
6L732...	0.4 m ³ /h	0.58 m ³ /h	0.85 m ³ /h	./.	3.7 m ³ /h
6L733...	0.4 m ³ /h	0.58 m ³ /h	0.85 m ³ /h	./.	3.7 m ³ /h
6L741...	0.5 m ³ /h	0.61 m ³ /h	0.9 m ³ /h	./.	3.9 m ³ /h
6L744...	0.25 m ³ /h	0.45 m ³ /h	0.65 m ³ /h	./.	./.
6L750...	0.4 m ³ /h	0.58 m ³ /h	0.85 m ³ /h	./.	./.
6L801...	0.5 m ³ /h	0.61 m ³ /h	./.	1.9 m ³ /h	./.
6L802...	0.4 m ³ /h	0.58 m ³ /h	./.	./.	./.
6L832...	0.4 m ³ /h	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6L833...	0.4 m ³ /h	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6L841...	0.5 m ³ /h	0.61 m ³ /h	./.	1.6 m ³ /h	./.
6L844...	0.25 m ³ /h	0.45 m ³ /h	./.	./.	./.
6L850...	0.4 m ³ /h	0.58 m ³ /h	./.	./.	./.



Article-Nr	Nominal Diameter	Connection	Material
6L732F0318PPEP	DN03	G1/8"	PP/EPDM
6L732F0318PPFP	DN03	G1/8"	PP/FPM
6L732F0318PVFP	DN03	G1/8"	PVDF/FPM
6L732F0414PFFK	DN04	G1/4"	PFA/FFKM
6L732F0414PPFP	DN04	G1/4"	PFA/FPM
6L732F0414PNFP	DN04	G1/4"	PP-NATUR/FPM
6L732F0414PPEP	DN04	G1/4"	PP/EPDM
6L732F0414PPFP	DN04	G1/4"	PP/FPM
6L732F0414PVEP	DN04	G1/4"	PVDF/EPDM
6L732F0414PVFK	DN04	G1/4"	PVDF/FFKM
6L732F0414PVFP	DN04	G1/4"	PVDF/FPM
6L732F0614PFFK	DN06	G1/4"	PFA/FFKM
6L732F0614PPFP	DN06	G1/4"	PFA/FPM
6L732F0614PNFP	DN06	G1/4"	PP-NATUR/FPM
6L732F0614PPEP	DN06	G1/4"	PP/EPDM
6L732F0614PPFP	DN06	G1/4"	PP/FPM
6L732F0614PVEP	DN06	G1/4"	PVDF/EPDM
6L732F0614PVFK	DN06	G1/4"	PVDF/FFKM
6L732F0614PVFP	DN06	G1/4"	PVDF/FPM
6L732F0812PPFP	DN08	G1/2"	PP/FPM
6L732F1012PFFK	DN10	G1/2"	PFA/FFKM
6L732F1012PPFP	DN10	G1/2"	PFA/FPM
6L732F1012PNFP	DN10	G1/2"	PP-NATUR/FPM
6L732F1012PPEP	DN10	G1/2"	PP/EPDM
6L732F1012PPFP	DN10	G1/2"	PP/FPM
6L732F1012PVFK	DN10	G1/2"	PVDF/FFKM
6L732F1012PVFP	DN10	G1/2"	PVDF/FPM
6L832F0318PFFP	DN03	NPT1/8"	PFA/FPM
6L832F0318PPFP	DN03	NPT1/8"	PP/FPM
6L832F0318PVFP	DN03	NPT1/8"	PVDF/FPM
6L832F0414PFFK	DN04	NPT1/4"	PFA/FFKM
6L832F0414PFFP	DN04	NPT1/4"	PFA/FPM
6L832F0414PNFP	DN04	NPT1/4"	PP-NATUR/FPM
6L832F0414PPFP	DN04	NPT1/4"	PP/FPM
6L832F0414PVFK	DN04	NPT1/4"	PVDF/FFKM
6L832F0414PVFP	DN04	NPT1/4"	PVDF/FPM
6L832F0812PFFP	DN08	NPT1/2"	PFA/FPM
6L832F0812PNFP	DN08	NPT1/2"	PP-NATUR/FPM
6L832F0812PPFP	DN08	NPT1/2"	PP/FPM
6L832F0812PVFK	DN08	NPT1/2"	PVDF/FFKM
6L832F0812PVFP	DN08	NPT1/2"	PVDF/FPM

Dimensions 6L...

	G / NPT	D	L	L1	L2	I	H
6L...	1/8"	16	52	13	26	39	~ 26
6L...	1/4"	20	65	15	32.5	40	~ 27
6L...	1/2"	30	100	22	-	58	~ 47

Materials 6L..., 6D..., 6H..., 6G..., 6R...

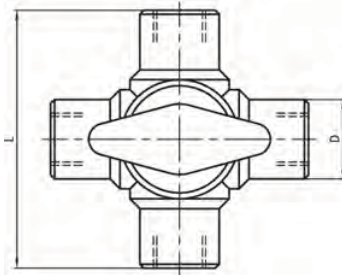
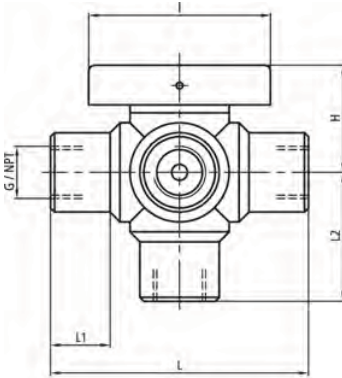
Housing	PP	PVDF	PFA
Ball	PP	PVDF	PTFE
Sealing sleeve	PTFE	PTFE	PTFE
Pressure screw**	PP	PVDF	PTFE
O-ring*	FPM	FPM	FPM

Technical data 6L...

Max. media temperature*	PP	PVDF	PFA
	90°C	120°C	180°C

.....continued on the next page

Max. media temperature*	PP	PVDF	PFA		
Pressure stage	PN 10				
Kvs-value	DN 03	DN 04	DN 06	DN 08	DN 10
6L701. . .	0.5 m ³ /h	0.61 m ³ /h	0.9 m ³ /h	./.	3.9 m ³ /h
6L702. . .	0.4 m ³ /h	0.58 m ³ /h	0.85 m ³ /h	./.	./.
6L732. . .	0.4 m ³ /h	0.58 m ³ /h	0.85 m ³ /h	./.	3.7 m ³ /h
6L733. . .	0.4 m ³ /h	0.58 m ³ /h	0.85 m ³ /h	./.	3.7 m ³ /h
6L741. . .	0.5 m ³ /h	0.61 m ³ /h	0.9 m ³ /h	./.	3.9 m ³ /h
6L744. . .	0.25 m ³ /h	0.45 m ³ /h	0.65 m ³ /h	./.	./.
6L750. . .	0.4 m ³ /h	0.58 m ³ /h	0.85 m ³ /h	./.	./.
6L801. . .	0.5 m ³ /h	0.61 m ³ /h	./.	1.9 m ³ /h	./.
6L802. . .	0.4 m ³ /h	0.58 m ³ /h	./.	./.	./.
6L832. . .	0.4 m ³ /h	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6L833. . .	0.4 m ³ /h	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6L841. . .	0.5 m ³ /h	0.61 m ³ /h	./.	1.6 m ³ /h	./.
6L844. . .	0.25 m ³ /h	0.45 m ³ /h	./.	./.	./.
6L850. . .	0.4 m ³ /h	0.58 m ³ /h	./.	./.	./.



Article-Nr	Nominal Diameter	Connection	Material
6L733F0318PPFP	DN03	G1/8"	PP/FPM
6L733F0318PVFP	DN03	G1/8"	PVDF/FPM
6L733F0414PFFK	DN04	G1/4"	PFA/FFKM
6L733F0414PFFP	DN04	G1/4"	PFA/FPM
6L733F0414PNFP	DN04	G1/4"	PP-NATUR/FPM
6L733F0414PPEP	DN04	G1/4"	PP/EPDM
6L733F0414PPFP	DN04	G1/4"	PP/FPM
6L733F0414PVEP	DN04	G1/4"	PVDF/EPDM
6L733F0414PVFK	DN04	G1/4"	PVDF/FFKM
6L733F0414PVFP	DN04	G1/4"	PVDF/FPM
6L733F0614PFFK	DN06	G1/4"	PFA/FFKM
6L733F0614PFFP	DN06	G1/4"	PFA/FPM
6L733F0614PELFP	DN06	G1/4"	PP-CONDUCTIVE/FPM
6L733F0614PPEP	DN06	G1/4"	PP/EPDM
6L733F0614PPFP	DN06	G1/4"	PP/FPM
6L733F0614PVEP	DN06	G1/4"	PVDF/EPDM
6L733F0614PVFP	DN06	G1/4"	PVDF/FPM
6L733F1012PFEP	DN10	G1/2"	PFA/EPDM
6L733F1012PFFK	DN10	G1/2"	PFA/FFKM
6L733F1012PFFP	DN10	G1/2"	PFA/FPM
6L733F1012PNFP	DN10	G1/2"	PP-NATUR/FPM
6L733F1012PPEP	DN10	G1/2"	PP/EPDM
6L733F1012PPFP	DN10	G1/2"	PP/FPM
6L733F1012PVEP	DN10	G1/2"	PVDF/EPDM
6L733F1012PVFK	DN10	G1/2"	PVDF/FFKM
6L733F1012PVFP	DN10	G1/2"	PVDF/FPM
6L833F0414PFFK	DN04	NPT1/4"	PFA/FFKM
6L833F0414PFFP	DN04	NPT1/4"	PFA/FPM
6L833F0414PVFK	DN04	NPT1/4"	PVDF/FFKM
6L833F0414PVFP	DN04	NPT1/4"	PVDF/FPM
6L833F0812PFEP	DN08	NPT1/2"	PFA/EPDM
6L833F0812PFFP	DN08	NPT1/2"	PFA/FPM
6L833F0812PVEP	DN08	NPT1/2"	PVDF/EPDM
6L833F0812PVFP	DN08	NPT1/2"	PVDF/FPM

Dimensions 6L...

	G / NPT	D	L	L1	L2	I	H
6L...	1/8"	16	52	13	26	39	~ 26
6L...	1/4"	20	65	15	32.5	40	~ 27
6L...	1/2"	30	100	22	-	58	~ 47

Materials 6L..., 6D..., 6H..., 6G..., 6R...

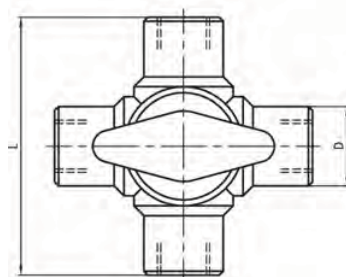
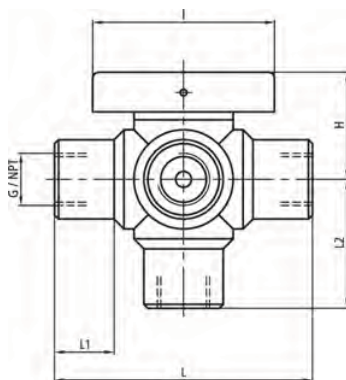
Housing	PP	PVDF	PFA
Ball	PP	PVDF	PTFE
Sealing sleeve	PTFE	PTFE	PTFE
Pressure screw**	PP	PVDF	PTFE
O-ring*	FPM	FPM	FPM

Technical data 6L...

Max. media temperature*	PP	PVDF	PFA		
	90°C	120°C	180°C		
Pressure stage	PN 10				
Kvs-value	DN 03	DN 04	DN 06	DN 08	DN 10
6L701...	0.5 m ³ /h	0.61 m ³ /h	0.9 m ³ /h	./.	3.9 m ³ /h
6L702...	0.4 m ³ /h	0.58 m ³ /h	0.85 m ³ /h	./.	./.
6L732...	0.4 m ³ /h	0.58 m ³ /h	0.85 m ³ /h	./.	3.7 m ³ /h

.....continued on the next page

Max. media temperature*	PP	PVDF	PFA		
6L733. . .	0.4 m ³ /h	0.58 m ³ /h	0.85 m ³ /h	./.	3.7 m ³ /h
6L741. . .	0.5 m ³ /h	0.61 m ³ /h	0.9 m ³ /h	./.	3.9 m ³ /h
6L744. . .	0.25 m ³ /h	0.45 m ³ /h	0.65 m ³ /h	./.	./.
6L750. . .	0.4 m ³ /h	0.58 m ³ /h	0.85 m ³ /h	./.	./.
6L801. . .	0.5 m ³ /h	0.61 m ³ /h	./.	1.9 m ³ /h	./.
6L802. . .	0.4 m ³ /h	0.58 m ³ /h	./.	./.	./.
6L832. . .	0.4 m ³ /h	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6L833. . .	0.4 m ³ /h	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6L841. . .	0.5 m ³ /h	0.61 m ³ /h	./.	1.6 m ³ /h	./.
6L844. . .	0.25 m ³ /h	0.45 m ³ /h	./.	./.	./.
6L850. . .	0.4 m ³ /h	0.58 m ³ /h	./.	./.	./.



Article-Nr	Nominal Diameter	Connection	Material
6L741F0414PFFP	DN04	G1/4"	PFA/FPM
6L741F0414PPFP	DN04	G1/4"	PP/FPM
6L741F0414PVFP	DN04	G1/4"	PVDF/FPM

Dimensions 6L...

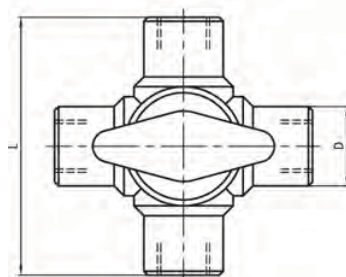
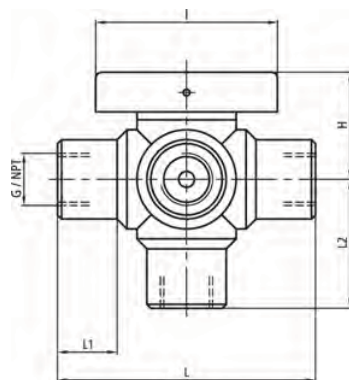
	G / NPT	D	L	L1	L2	I	H
6L...	1/8"	16	52	13	26	39	~ 26
6L...	1/4"	20	65	15	32.5	40	~ 27
6L...	1/2"	30	100	22	-	58	~ 47

Materials 6L..., 6D..., 6H..., 6G..., 6R...

Housing	PP	PVDF	PFA
Ball	PP	PVDF	PTFE
Sealing sleeve	PTFE	PTFE	PTFE
Pressure screw**	PP	PVDF	PTFE
O-ring*	FPM	FPM	FPM

Technical data 6L...

Max. media temperature*	PP	PVDF	PFA		
	90°C	120°C	180°C		
Pressure stage	PN 10				
Kvs-value	DN 03	DN 04	DN 06	DN 08	DN 10
6L701...	0.5 m ³ /h	0.61 m ³ /h	0.9 m ³ /h	./.	3.9 m ³ /h
6L702...	0.4 m ³ /h	0.58 m ³ /h	0.85 m ³ /h	./.	./.
6L732...	0.4 m ³ /h	0.58 m ³ /h	0.85 m ³ /h	./.	3.7 m ³ /h
6L733...	0.4 m ³ /h	0.58 m ³ /h	0.85 m ³ /h	./.	3.7 m ³ /h
6L741...	0.5 m ³ /h	0.61 m ³ /h	0.9 m ³ /h	./.	3.9 m ³ /h
6L744...	0.25 m ³ /h	0.45 m ³ /h	0.65 m ³ /h	./.	./.
6L750...	0.4 m ³ /h	0.58 m ³ /h	0.85 m ³ /h	./.	./.
6L801...	0.5 m ³ /h	0.61 m ³ /h	./.	1.9 m ³ /h	./.
6L802...	0.4 m ³ /h	0.58 m ³ /h	./.	./.	./.
6L832...	0.4 m ³ /h	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6L833...	0.4 m ³ /h	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6L841...	0.5 m ³ /h	0.61 m ³ /h	./.	1.6 m ³ /h	./.
6L844...	0.25 m ³ /h	0.45 m ³ /h	./.	./.	./.
6L850...	0.4 m ³ /h	0.58 m ³ /h	./.	./.	./.



Article-Nr	Nominal Diameter	Connection	Material
6L744F0318PVFP	DN03	G1/8"	PVDF/FPM
6L744F0414PFFK	DN04	G1/4"	PFA/FFKM
6L744F0414PFFP	DN04	G1/4"	PFA/FPM
6L744F0414PPEP	DN04	G1/4"	PP/EPDM
6L744F0414PPFP	DN04	G1/4"	PP/FPM
6L744F0414PVEP	DN04	G1/4"	PVDF/EPDM
6L744F0414PVFK	DN04	G1/4"	PVDF/FFKM
6L744F0414PVFP	DN04	G1/4"	PVDF/FPM
6L744F0612PFFP	DN06	G1/2"	PFA/FPM
6L744F0612PPEP	DN06	G1/2"	PP/EPDM
6L744F0612PPFP	DN06	G1/2"	PP/FPM
6L744F0612PVFP	DN06	G1/2"	PVDF/FPM
6L844F0414PPFP	DN04	NPT1/4"	PP/FPM
6L844F0414PVFP	DN04	NPT1/4"	PVDF/FPM

Dimensions 6L...

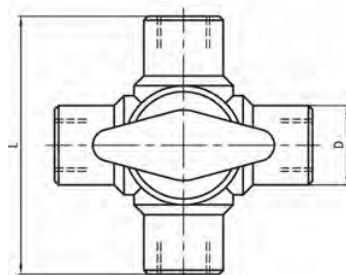
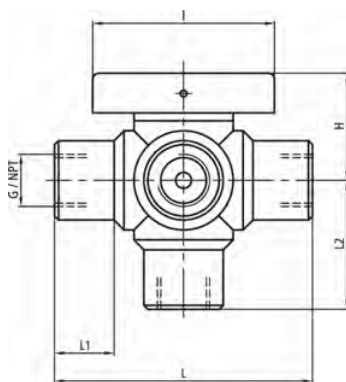
	G / NPT	D	L	L1	L2	I	H
6L...	1/8"	16	52	13	26	39	~ 26
6L...	1/4"	20	65	15	32.5	40	~ 27
6L...	1/2"	30	100	22	-	58	~ 47

Materials 6L..., 6D..., 6H..., 6G..., 6R...

Housing	PP	PVDF	PFA
Ball	PP	PVDF	PTFE
Sealing sleeve	PTFE	PTFE	PTFE
Pressure screw**	PP	PVDF	PTFE
O-ring*	FPM	FPM	FPM

Technical data 6L...

Max. media temperature*	PP	PVDF	PFA		
	90°C	120°C	180°C		
Pressure stage	PN 10				
Kvs-value	DN 03	DN 04	DN 06	DN 08	DN 10
6L701...	0.5 m ³ /h	0.61 m ³ /h	0.9 m ³ /h	./.	3.9 m ³ /h
6L702...	0.4 m ³ /h	0.58 m ³ /h	0.85 m ³ /h	./.	./.
6L732...	0.4 m ³ /h	0.58 m ³ /h	0.85 m ³ /h	./.	3.7 m ³ /h
6L733...	0.4 m ³ /h	0.58 m ³ /h	0.85 m ³ /h	./.	3.7 m ³ /h
6L741...	0.5 m ³ /h	0.61 m ³ /h	0.9 m ³ /h	./.	3.9 m ³ /h
6L744...	0.25 m ³ /h	0.45 m ³ /h	0.65 m ³ /h	./.	./.
6L750...	0.4 m ³ /h	0.58 m ³ /h	0.85 m ³ /h	./.	./.
6L801...	0.5 m ³ /h	0.61 m ³ /h	./.	1.9 m ³ /h	./.
6L802...	0.4 m ³ /h	0.58 m ³ /h	./.	./.	./.
6L832...	0.4 m ³ /h	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6L833...	0.4 m ³ /h	0.58 m ³ /h	./.	1.6 m ³ /h	./.
6L841...	0.5 m ³ /h	0.61 m ³ /h	./.	1.6 m ³ /h	./.
6L844...	0.25 m ³ /h	0.45 m ³ /h	./.	./.	./.
6L850...	0.4 m ³ /h	0.58 m ³ /h	./.	./.	./.



Article-Nr	Nominal Diameter	Connection	Material
6L750F0318PPFP	DN03	G1/8"	PP/FPM
6L750F0318PVFP	DN03	G1/8"	PVDF/FPM
6L750F0414PFFK	DN04	G1/4"	PFA/FFKM
6L750F0414PFFP	DN04	G1/4"	PFA/FPM
6L750F0414PPFP	DN04	G1/4"	PP/FPM
6L750F0414PVFK	DN04	G1/4"	PVDF/FFKM
6L750F0414PVFP	DN04	G1/4"	PVDF/FPM
6L850F0414PFFP	DN04	NPT1/4"	PFA/FPM
6L850F0414PPFP	DN04	NPT1/4"	PP/FPM
6L850F0414PVFP	DN04	NPT1/4"	PVDF/FPM

Dimensions 6L...

	G / NPT	D	L	L1	L2	I	H
6L...	1/8"	16	52	13	26	39	~ 26
6L...	1/4"	20	65	15	32.5	40	~ 27
6L...	1/2"	30	100	22	-	58	~ 47

Materials 6L..., 6D..., 6H..., 6G..., 6R...

Housing	PP	PVDF	PFA
Ball	PP	PVDF	PTFE
Sealing sleeve	PTFE	PTFE	PTFE
Pressure screw**	PP	PVDF	PTFE
O-ring*	FPM	FPM	FPM

Technical data 6L...

Max. media temperature*	PP	PVDF	PFA		
	90°C	120°C	180°C		
Pressure stage	PN 10				
Kvs-value	DN 03	DN 04	DN 06	DN 08	DN 10
6L701...	0.5 m ³ /h	0.61 m ³ /h	0.9 m ³ /h	/.	3.9 m ³ /h
6L702...	0.4 m ³ /h	0.58 m ³ /h	0.85 m ³ /h	/.	/.
6L732...	0.4 m ³ /h	0.58 m ³ /h	0.85 m ³ /h	/.	3.7 m ³ /h
6L733...	0.4 m ³ /h	0.58 m ³ /h	0.85 m ³ /h	/.	3.7 m ³ /h
6L741...	0.5 m ³ /h	0.61 m ³ /h	0.9 m ³ /h	/.	3.9 m ³ /h
6L744...	0.25 m ³ /h	0.45 m ³ /h	0.65 m ³ /h	/.	/.
6L750...	0.4 m ³ /h	0.58 m ³ /h	0.85 m ³ /h	/.	/.
6L801...	0.5 m ³ /h	0.61 m ³ /h	/.	1.9 m ³ /h	/.
6L802...	0.4 m ³ /h	0.58 m ³ /h	/.	/.	/.
6L832...	0.4 m ³ /h	0.58 m ³ /h	/.	1.6 m ³ /h	/.
6L833...	0.4 m ³ /h	0.58 m ³ /h	/.	1.6 m ³ /h	/.
6L841...	0.5 m ³ /h	0.61 m ³ /h	/.	1.6 m ³ /h	/.
6L844...	0.25 m ³ /h	0.45 m ³ /h	/.	/.	/.
6L850...	0.4 m ³ /h	0.58 m ³ /h	/.	/.	/.



- 1) Wear-free, inductive proximity switch as position indicator ⇒ Suitable for long-term applications ⇒ Reproducible settings
- 2) Housing made of PVDF ⇒ High resistance to media
- 3) DC micro-motor with planetary gear ⇒ Safe and reliable ⇒ Short switching times
- 4) Wide variety of mounting options ⇒ Boreholes integrated into the flange plate for direct fastening onto consoles ⇒ Pipe clips for side fastening on a wall board ⇒ Fastening clamps for vertical fastening on a base plate or for wall surface mounting

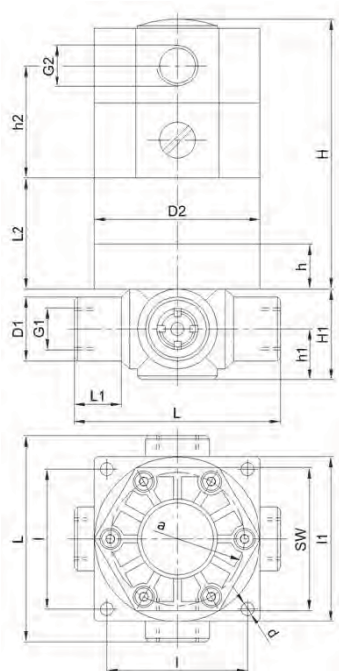
The new ball valves of series 6R, with considerably reduced dimensions are now the ideal solution for space-saving mounting. Designed for long-term use.

The drive for series 6R ball valves is based on the tried and true principle of electrical part-turn actuator, which was reduced in size for series 6R and fitted with the housing of the (COMPACT) part-turn actuator. The high-quality DC motor with planetary gear ensures optimum control with short switching times. This is because a wear-free, inductive proximity switch acting as a position indicator forwards the position of the ball directly to a programmable logic controller (PLC). The PVDF housing ensures a high level of resistance to corrosion. Because of this, series 6R ball valves, which are available as 2-, 3- and 4-way ball valves, are also excellently suited for long-term use in aggressive environments. Different versions of accessories are available to ensure reliable and easy mounting. Variable connection methods

The Series 6R ball valves are supplied as standard with seam-less female threads. The EM-TECHNIK module system provides a wide variety of matching fastening and connection elements for flexible tubes and pipes, fittings, couplings or adapters.

Ball valve 6R with electrical part-turn actuator (COMPACT), 2-way

6



Article-Nr	Nominal Diameter	Connection	Material
6R701F0414PPFP	DN04	G1/4"	PP/FPM
6R701F0414PVFP	DN04	G1/4"	PVDF/FPM

Dimensions 6R...

	G1	G2	L	L1	L2	H	H1	h	h1	h2	D1	D2	d	l	l1	a	SW
6R...	1/4"	PG7	65	15	35	~83	28,5	14	16	35,5	Ø 20	Ø 52	Ø 4,2	44	52	41	45

Materials 6L..., 6D..., 6H..., 6G..., 6R...

	PP	PVDF	PFA
Housing	PP	PVDF	PFA
Ball	PP	PVDF	PTFE
Sealing sleeve	PTFE	PTFE	PTFE
Pressure screw**	PP	PVDF	PTFE
O-ring*	FPM	FPM	FPM

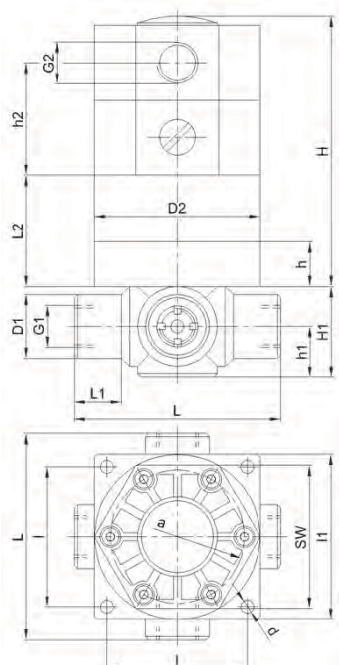
Technical data 6R...

	PP	PVDF	PFA
Max. media temperature*	90 °C	120 °C	180 °C
Pressure stage	PN 10		
Kvs-value	DN 04		
6L701...	0.61 m ³ /h		
6L732...	0.58 m ³ /h		
6L744...	0.61 m ³ /h		
6L801...	0.61 m ³ /h		
6L832...	0.58 m ³ /h		
6L844...	0.61 m ³ /h		
Electrical drive 6E502			
Max. ambient temperature	70 °C		
Voltage	24 VDC		
Power consumption	180 mA		
Torque	5.5 Nm		
Protection class to EN 60529	IP 65		
Connection	PG7		

* Starting from the nominal pressure rating (at 20 °C), the permissible pressure reduces with increasing temperature!

Ball valve 6R wit electrical part-turn actuator (COMPACT), 3-way with L-bore and female G-thread

6



Article-Nr	Nominal Diameter	Connection	Material
6R732F0414PVFP	DN04	G1/4"	PVDF/FPM

Dimensions 6R . . .

	G1	G2	L	L1	L2	H	H1	h	h1	h2	D1	D2	d	l	l1	a	SW
6R . . .	1/4"	PG 7	65	15	35	~83	28,5	14	16	35.5	∅ 20	∅ 52	∅ 4,2	44	52	41	45

Materials 6L . . . , 6D . . . , 6H . . . , 6G . . . , 6R . . .

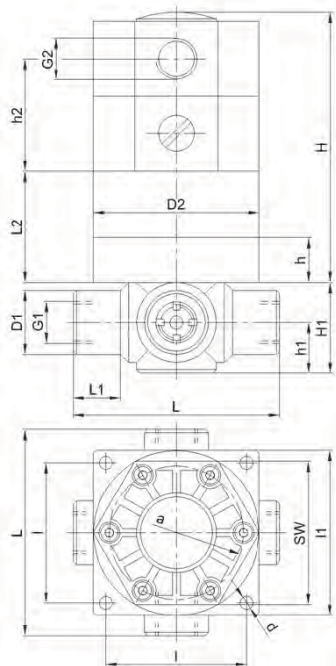
Housing	PP	PVDF	PFA
Ball	PP	PVDF	PTFE
Sealing sleeve	PTFE	PTFE	PTFE
Pressure screw**	PP	PVDF	PTFE
O-ring*	FPM	FPM	FPM

Technical data 6R . . .

Max. media temperature*	PP	PVDF	PFA
	90°C	120°C	180°C
Pressure stage	PN 10		
Kvs-value	DN 04		
6L701 . . .	0.61 m ³ /h		
6L732 . . .	0.58 m ³ /h		
6L744 . . .	0.61 m ³ /h		
6L801 . . .	0.61 m ³ /h		
6L832 . . .	0.58 m ³ /h		
6L844 . . .	0.61 m ³ /h		
Electrical drive 6E502			
Max. ambient temperature	70°C		
Voltage	24 VDC		
Power consumption	180 mA		
Torque	5.5 Nm		
Protection class to EN 60529	IP 65		
Connection	PG7		

Ball valve 6R wit electrical part-turn actuator (COMPACT), 4-way with double-L-bore and female NPT-thread

6



Article-Nr	Nominal Diameter	Connection	Material
6R844F0414PPFP	DN04	NPT1/4"	PP/FPM

Dimensions 6R...

	G1	G2	L	L1	L2	H	H1	h	h1	h2	D1	D2	d	l	l1	a	SW
6R...	1/4"	PG 7	65	15	35	~83	28,5	14	16	35.5	∅ 20	∅ 52	∅ 4,2	44	52	41	45

Materials 6L..., 6D..., 6H..., 6G..., 6R...

Housing	PP	PVDF	PFA
Ball	PP	PVDF	PTFE
Sealing sleeve	PTFE	PTFE	PTFE
Pressure screw**	PP	PVDF	PTFE
O-ring*	FPM	FPM	FPM

Technical data 6R...

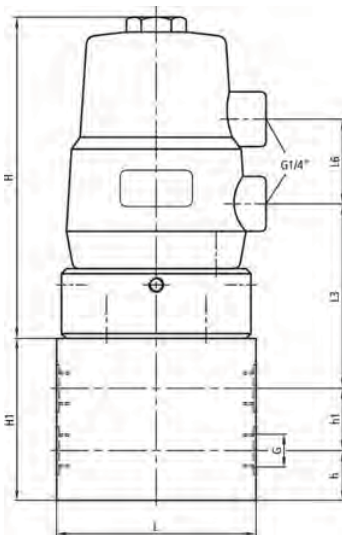
Max. media temperature*	PP	PVDF	PFA
	90°C	120°C	180°C
Pressure stage	PN 10		
Kvs-value	DN 04		
6L701...	0.61 m ³ /h		
6L732...	0.58 m ³ /h		
6L744...	0.61 m ³ /h		
6L801...	0.61 m ³ /h		
6L832...	0.58 m ³ /h		
6L844...	0.61 m ³ /h		
Electrical drive 6E502			
Max. ambient temperature	70°C		
Voltage	24 VDC		
Power consumption	180 mA		
Torque	5.5 Nm		
Protection class to EN 60529	IP 65		
Connection	PG7		

- 1) Common shaft ⇒ Synchronous switching of the media flow
- 2) Fixed assignment of the two media flows ⇒ Unintentional mixing not possible
- 3) Low maintenance
- 4) Low cost, as only one fitting is required
- 5) Compact shape. Advantageous in machinery engineering

The Series 6X multiport ball valves with pneumatic part-turn actuator comprise two multi-way ball valves that are arranged one on top of the other in a housing with 2 levels. There is no flow connection between the individual levels. With one switching process both media flows are synchronously distributed or collected using a common shaft. Unintentional mixing of the media flows is not possible. The multiport ball valve has a crucial safety advantage in practice. The materials available, PVDF and PTFE, provide high media resistance and ensure a wide range of applications. The Series 6Z multiport ball valves are also available with pneumatic or electrical part-turn actuator. One drive is sufficient for each multiport ball valve. A further important advantage: The use of multiport ball valves provides a significant cost-saving in machinery engineering, as only one fitting is needed due to the special principle of operation.

Multiport ball valve (Series 6X) with pneumatic part-turn actuator, 2-way

6



Article-Nr	Nominal Diameter	Connection	Material
6X701F0414PTFP	DN04	G1/4"	PTFE
6X701F0414PVFP	DN04	G1/4"	PVDF
6X701F1012PTFP	DN10	G1/2"	PTFE
6X701F1012PVFP	DN10	G1/2"	PVDF

Dimensions 6X . . .

	G	L	L3	L6	H	H1	h	h1
6X701 . . . 6X732 . . .	G 1/4"	Ø 80	~ 74	34	~ 126	65	20	25
6X701 . . . 6X732 . . .	G 1/2"	Ø 120	~ 88,5	67.5	~ 196	100	30	40

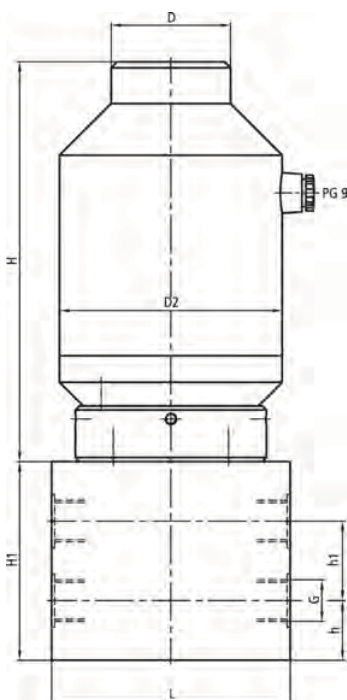
Technical data 6X . . .

Max. media temperature*	PVDF	PTFE
	120 °C	150 °C
Pressure stage	PN 10	PN 6
Kvs-value	DN 04	DN 10
6X701 . . .	0.61 m ³ /h	3.9 m ³ /h
6X732 . . .	0.58 m ³ /h	3.7 m ³ /h

* Starting from the nominal pressure rating (at 20 °C), the permissible pressure reduces with increasing temperature!

2-way multiport ball valve with electrical part-turn actuator STANDARD

6



Article-Nr	Nominal Diameter	Connection	Material
6Y701F0414PTFP	DN04	G1/4"	PTFE
6Y701F0414PVFP	DN04	G1/4"	PVDF
6Y701F1012PTFP	DN10	G1/2"	PTFE
6Y701F1012PVFP	DN10	G1/2"	PVDF

Dimensions 6Y...

	G	L	L1	B	D	D2	h	h1	h2	H	H1
6Y701... G 1/4"	Ø 80	-	-	Ø 60	Ø 92	20	25	-	181	65	
6Y701... G 1/2"	Ø 120	-	-	Ø 60	Ø 112	30	40	-	201	100	
6Y732... G 1/4"	Ø 80	-	-	Ø 60	Ø 92	20	25	-	181	65	
6Y732... G 1/2"	Ø 120	-	-	Ø 60	Ø 112	30	40	-	201	100	
6Y750... G 1/4"	Ø 80	15	Ø 22	Ø 60	Ø 92	25	47	45.5	175	90	
6Y750... G 1/2"	Ø 120	25	Ø 40,5	Ø 60	Ø 112	40	60	60	201	160	
6Y770... G 1/4"	Ø 100	25	Ø 25	Ø 60	Ø 112	25	50	49	201	109	
6Y770... G 1/2"	Ø 140	30	Ø 40,5	Ø 60	Ø 112	40	60	60	201	160	

Technical data 6Y...

Max. media temperature*	PVDF	PTFE
	120°C	150°C
Pressure stage	PN 10	PN 6
Kvs-value	DN 04	DN 10
6Y701...	0.61 m ³ /h	3.9 m ³ /h
6Y732...	0.58 m ³ /h	3.7 m ³ /h
6Y750...	0.58 m ³ /h	
6Y770...	0.58 m ³ /h	3.7 m ³ /h
6Y790...	0.58 m ³ /h	.J.

* Starting from the nominal pressure rating (at 20°C), the permissible pressure reduces with increasing temperature!

- 1) Common shaft ⇒ Synchronous switching of the media flow
- 2) Fixed assignment of the two media flows ⇒ Unintentional mixing not possible
- 3) Low maintenance
- 4) Low cost, as only one fitting is required
- 5) Compact shape. Advantageous in machinery engineering

The Series 6Z multiport ball valves are manual operated and comprise two multi-way ball valves that are arranged one on top of the other in a housing with 2 levels. There is no flow connection between the individual levels. With one switching process both media flows are synchronously distributed or collected using a common shaft. Unintentional mixing of the media flows is not possible. The multiport ball valve has a crucial safety advantage in practice. The materials available, PVDF and PTFE, provide high media resistance and ensure a wide range of applications. The Series 6Z multiport ball valves are also available with pneumatic or electrical part-turn actuator. One drive is sufficient for each multiport ball valve. A further important advantage: The use of multiport ball valves provides a significant cost-saving in machinery engineering, as only one fitting is needed due to the special principle of operation.



Article-Nr	Nominal Diameter	Connection	Material
6Z732F0414PTFK	DN04	G1/4"	PTFE/FFKM
6Z732F0614PVFP	DN06	G1/4"	PVDF/FPM
6Z732F1012PVFP	DN10	G1/2"	PVDF/FPM

Dimensions 6Z. . .

	G	L	L1	B	D1	h	h1	h2	H	H1
6Z701. . . , 6Z732. . . 1/4"	G	Ø 80	-	25	45	20	25	-	55	65
6Z701. . . 6Z732. . . 1/2"	G	Ø 120	-	48	60	30	40	-	78	100
6Z750. . . 1/4"	G	Ø 80	15	Ø 22	45	25	47	45.5	79.5	90
6Z750. . . 1/2"	G	Ø 120	25	Ø 40,5	80	40	60	60	109	160
6Z770. . . 1/4"	G	Ø 100	25	Ø 25	80	24	50	49	46.5	109
6Z770. . . 1/2"	G	Ø 140	30	Ø 40,5	80	40	60	60	95	160

Materials 6E. . . and 6Z. . .

Housing	PVDF	PTFE
Ball	PVDF	PTFE
Sealing sleeve	PTFE	PTFE
Pressure screw**	PVDF	PTFE
O-ring*	FPM	FPM

Technical data 6Z. . .

Max. media temperature*	PVDF	PTFE
	120°C	150°C
Pressure stage	PN 10	PN 6
Kvs-value	DN 04	DN 10
6Z701. . .	0.61 m ³ /h	3.9 m ³ /h
6Z732. . .	0.58 m ³ /h	3.7 m ³ /h
6Z750. . .	0.58 m ³ /h	3.7 m ³ /h
6Z770. . .	0.58 m ³ /h	3.7 m ³ /h

* Starting from the nominal pressure rating (at 20 °C), the permissible pressure reduces with increasing temperature!



Filters 7F 597
Various types of filters in many sizes, filter grades and connection types.

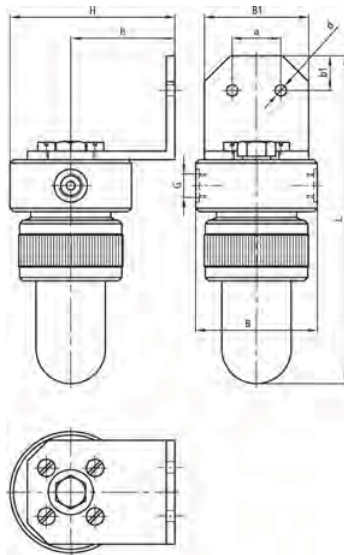


Injectors 7G 601
Small pumps for supplying and mixing various media.



- 1) Various filter grades ⇒ Reliable cleaning of the media
- 2) Cartridge filter ⇒ Sight glass for assessing the degree of soiling from the exterior ⇒ Straightforward filter change ⇒ Moisture sensor as option ⇒ Filter holder easy to clean, because it can be unscrewed
- 3) Diaphragm filter ⇒ Versatile, straightforward filter change ⇒ High flow rate ⇒ Only low pressure drop in the application ⇒ Moisture sensor available as an option
- 4) Mounted filter for front panel installations or 19" rack modules ⇒ Connectors inside, filters outside: a very clean solution ⇒ Porthole for assessing degree of soiling from outside ⇒ For glass-fibre and PTFE filters ⇒ Simple filter replacement from front
- 5) Inline filter ⇒ For inline installation ⇒ In existing systems Can be added later ⇒ Small, compact design

The Series 7F filters are of varied application, safe and straightforward to use. They reliably clean solids from the media used. The filter elements have a precise microporous structure that reliably retains particles larger than the pores in the filter element. Different filter grades are possible on request. For the specific application three filter types are available: The diaphragm filter is a low cost, versatile filter. It is straightforward to use, filter changes can be made quickly. There is hardly any pressure drop due to its design. The cartridge filter is a reliable filter from the EM-TECHNIK modular system. The sight glass makes it possible to assess from the exterior the state and the degree of soiling of the substance filtered. It is not necessary to open the housing. If required, cartridge filters can also be supplied with a drain valve so that any condensate can be drained off easily. Our inline filter is intended for inline installation. It is small, compact and low cost. In practice it is easy to change and can be added later without problems.



Article-Nr	Nominal diameter	Connection	Porosity in micron	Material
7F200F051405PTFK	DN05	G1/4"	5	PTFE/FFKM
7F200F051405PTFP	DN05	G1/4"	5	PTFE/FPM
7F200F051405PVFP	DN05	G1/4"	5	PVDF/FPM
7F200F0514100PTFP	DN05	G1/4"	100	PTFE/FPM
7F200F0514100PVFF	DN05	G1/4"	100	PVDF/FPM
7F200F051415PVFP	DN05	G1/4"	15	PVDF/FPM
7F200F051425PTFP	DN05	G1/4"	25	PTFE/FPM
7F200F051425PVFP	DN05	G1/4"	25	PVDF/FPM
7F200F051440PPFP	DN05	G1/4"	40	PP/FPM
7F200F051440PTFP	DN05	G1/4"	40	PTFE/FPM
7F200F051450PVFP	DN05	G1/4"	50	PVDF/FPM

Dimensions 7F200. . .

G	L	B	a	d	b1	h	H	B1
7F200. . . G 1/4"	~ 189	70	28	6.5	20	60	~ 95	60

Materials 7F200. . .

Housing	PVDF	PTFE
Filter cartridge	PTFE	PTFE
Filter glass	Duran® glass	Duran® glass
O-ring*	FPM	FPM

* EPDM, FFKM on request

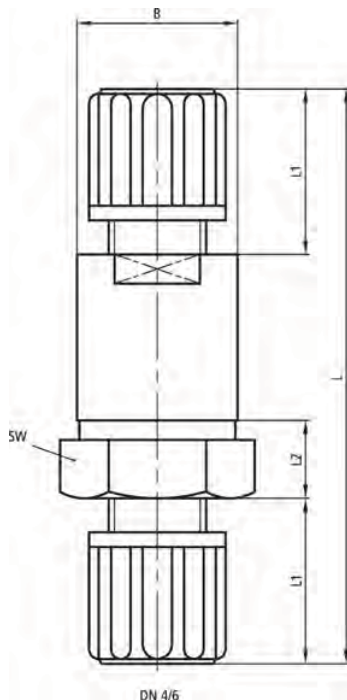
Technical data 7F200. . .

Max. media temperature*	PVDF	PTFE
	120 °C	150 °C
Pressure stage	PN 10	PN 6
Flow rate	1,100 NL/h air: ΔP 0.1 bar	
Filter surface	65 cm ²	

* Starting from the nominal pressure rating (at 20 °C), the permissible pressure reduces with increasing temperature!

Inline filter (Series 7F) with flexible tube connection (Series 1A)

7



Article-Nr	Nominal diameter	Porosity in micron	Material
7F400T4005PP	DN04/06	5	PP
7F400T4005PV	DN04/06	5	PVDF
7F400T40100PF	DN04/06	100	PFA
7F400T40100PP	DN04/06	100	PP
7F400T40100PV	DN04/06	100	PVDF
7F400T4025PF	DN04/06	25	PFA
7F400T4025PP	DN04/06	25	PP
7F400T4025PV	DN04/06	25	PVDF
7F400T4050PF	DN04/06	50	PFA
7F400T4050PP	DN04/06	50	PP
7F400T4050PV	DN04/06	50	PVDF
7F400T4080PP	DN04/06	80	PP

Dimensions 7F400...

	B	L	L1	L2	SW
7F400...	Ø 16,5	59	~ 17	8	17

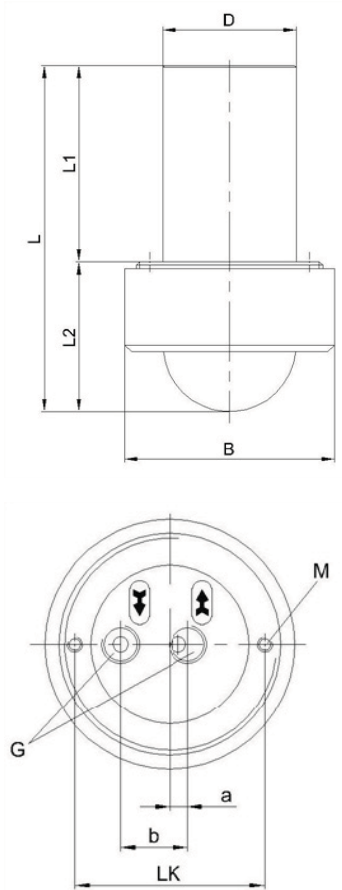
Materials 7F400...

Housing	PP	PVDF	PFA
Filter cartridge	PTFE	PTFE	PTFE

Technical data 7F400...

Max. media temperature*	PP	PVDF	PFA
	90°C	120°C	180°C
Pressure stage	PN 10		
Flow rate	250 NL/h air: ΔP 0.1 bar		
Filter surface	0.9 cm ²		

* Starting from the nominal pressure rating (at 20°C), the permissible pressure reduces with increasing temperature!



Article-Nr	Nominal diameter	Connection	Porosity in micron	Material
7F500F041805PTFP	DN04	G1/8"	5	PTFE
7F500F041805PVFP	DN04	G1/8"	5	PVDF
7F500F0418100PTFP	DN04	G1/8"	100	PTFE
7F500F0418100PVFP	DN04	G1/8"	100	PVDF
7F500F041825PTFP	DN04	G1/8"	25	PTFE
7F500F041825PVFP	DN04	G1/8"	25	PVDF
7F500F041850PTFP	DN04	G1/8"	50	PTFE
7F500F041850PVFP	DN04	G1/8"	50	PVDF

Dimensions 7F500. . .

	D	B	L	L1	L2	G	LK	a	b	M
7F500. . .	∅ 40	63	104	59	45	G 1/8"	48	4.5	17	M 4x10

Materials 7F500. . .

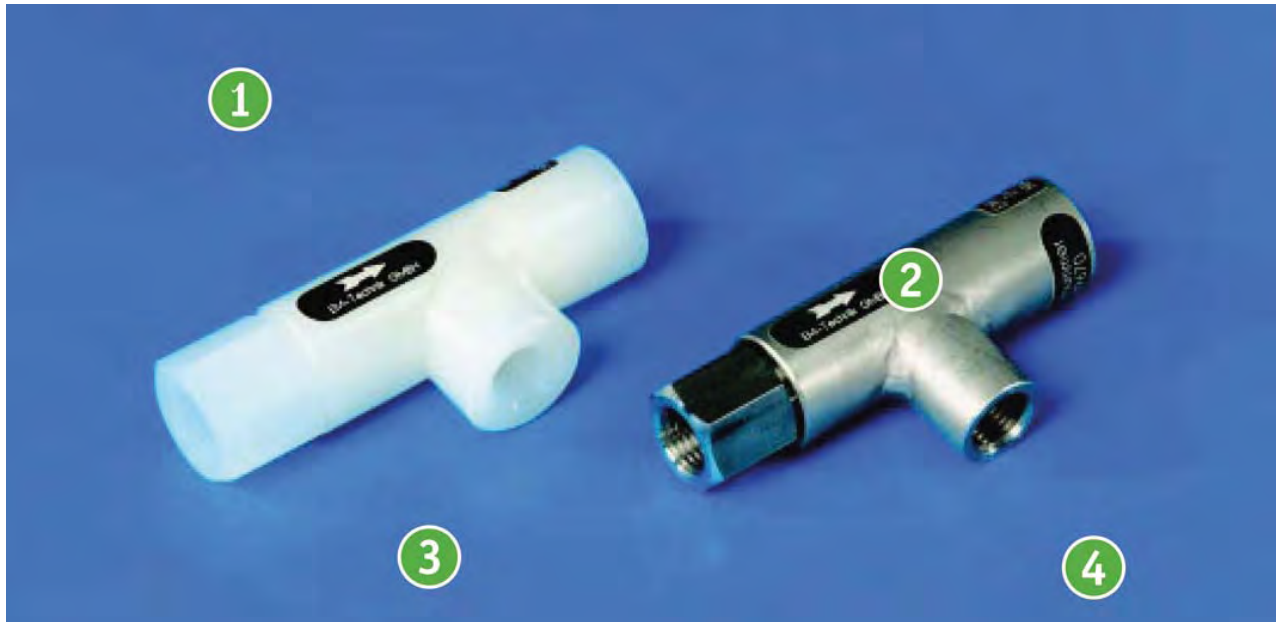
Housing	PVDF	PTFE
Filter cartridge	PTFE	PTFE
Filter glass	Duran® glass	Duran® glass
O-ring*	FPM	FPM

* EPDM, FFKM on request

Technical data 7F500. . .

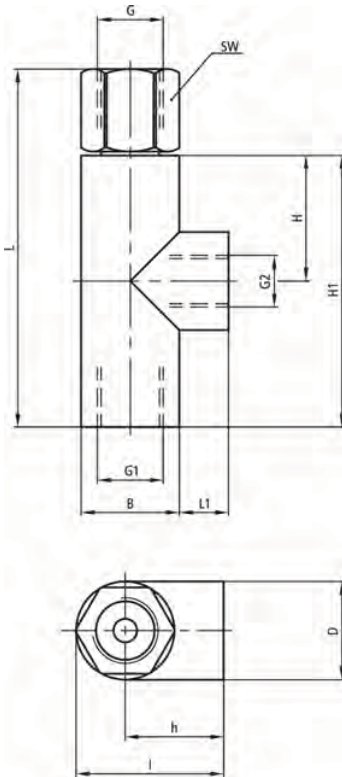
Max. media temperature*	PVDF	PTFE
	120°C	150°C
Pressure stage	PN 6	
Flow rate	900 NL/h air: ΔP 0,1 bar	
Filter surface	48 cm ²	

* Starting from the nominal pressure rating (at 20°C), the permissible pressure reduces with increasing temperature!



- 1) No wearing parts. Maintenance-free and reliable
- 2) Housing made of PP, PVDF, PFA and 1.4571 ⇒ High media resistance
- 3) Can be used without electrical power
- 4) Any installation position possible

The Series 7G injectors are pumps for pumping and mixing various media. The basic principle is simple: a gaseous media is used for the drive; this media escapes at high pressure and high speed from a nozzle. During this process the medium from the surrounding area is also drawn along and can be supplied to the downstream production process. Due to their design, the injectors do not need moving parts, as a result they have very low wear, are robust and relatively economical. Depending on the application, the injectors are available in various materials – in the plastics PP, PVDF and PFA and as a special version in stainless steel (1.4571).



Article-Nr	Propulsion gas inlet	Outlet	Media inlet	Material
7G200FF121238PFFI	G1/2"	G1/2"	G3/8"	PFA/FPM
7G200FF121238PPFP	G1/2"	G1/2"	G3/8"	PP/FPM
7G200FF121238PVFI	G1/2"	G1/2"	G3/8"	PVDF/FPM
7G200FF383814PFFK	G3/8"	G3/8"	G1/4"	PFA/FFKM
7G200FF383814PFFI	G3/8"	G3/8"	G1/4"	PFA/FPM
7G200FF383814PPFP	G3/8"	G3/8"	G1/4"	PP/FPM
7G200FF383814PVFI	G3/8"	G3/8"	G1/4"	PVDF/FFKM
7G200FF383814PVFP	G3/8"	G3/8"	G1/4"	PVDF/FPM

Dimensions 7G200...

	G	G1	G2	L	L1	I	B	D	H	H1	h	SW
7G200... G 3/8"	G 3/8"	G 3/8"	G 1/4"	91	12.5	37.5	∅ 25	∅ 25	32	69	25	22
7G200... G 1/2"	G 1/2"	G 1/2"	G 3/8"	101	15	45	∅ 30	∅ 30	36	79	30	27

Materials 7G200...

Housing	PP	PVDF	PFA	1.4571
O-ring*	FPM	FPM	FPM	FPM

* EPDM, FFKM on request

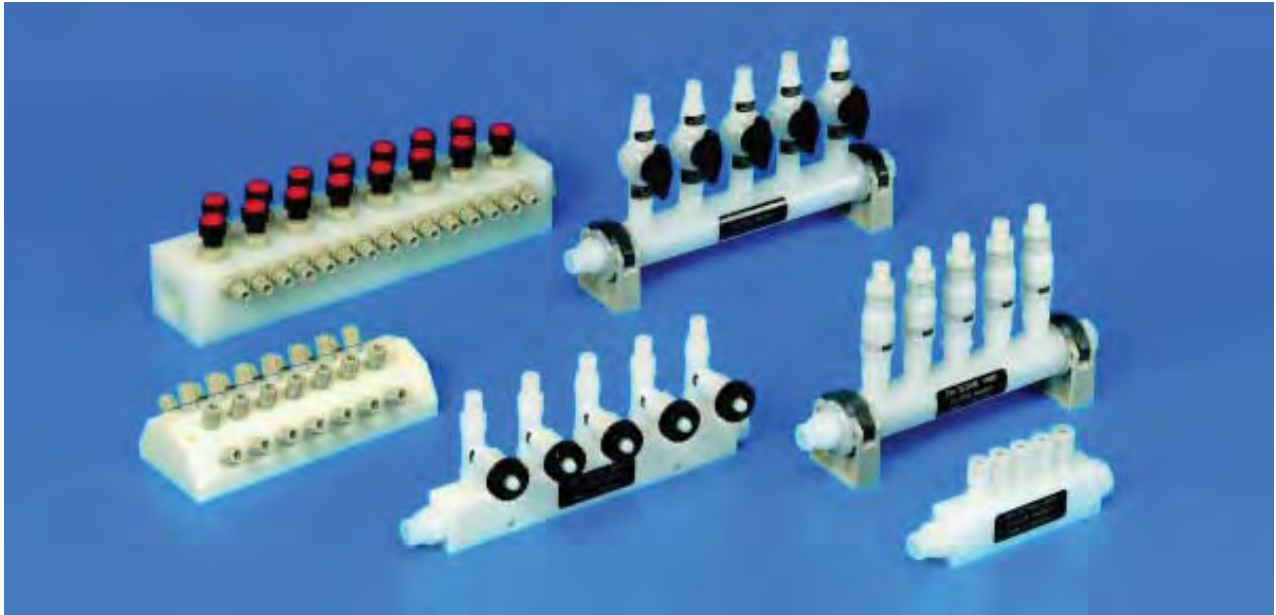
Technical data 7G200...

Max. media temperature*	PP	PVDF	PFA
	90 °C	120 °C	180 °C
Pressure stage	PN 10		

* Starting from the nominal pressure rating (at 20 °C), the permissible pressure reduces with increasing temperature!



Manifolds 8B 604
Manifolds for collecting and distributing media. With 5 up to 15 outlets with different connection types.



EM-TECHNIK manifolds are the ideal partner wherever a medium is to be “distributed” or “collected”. Our Series 8B includes distributors in a very wide range of designs and materials for the specific application. It is possible to straightforwardly couple several distributors in series due to the special design. Depending on the application, the medium can be either distributed directly or shut-off as required using appropriate fittings. The Series 8B manifolds provide solutions for a very wide range of customer-specific needs with their variety.

Manifolds (Series 8B) with 2-way-ballvalves
(Series 6L) and connectors for tube (Series 1A)

8



Article-Nr	Outlets	Connection	Fittings	Material
8B105BT4012PPFP	5	DN04/06	6L	PP/FPM
8B105BT4012PVEP	5	DN04/06	6L	PVDF/EPDM
8B105BT4012PVFP	5	DN04/06	6L	PVDF/FPM
8B105BT40PPFP	5	DN04/06	6L	PP/FPM
8B105BT4312PPFP	5	DN06/08	6L	PP/FPM
8B105BT4312PVFP	5	DN06/08	6L	PVDF/FPM
8B109BT4012PPFP	9	DN04/06	6L	PP/FPM
8B110BT4012PPFP	10	DN04/06	6L	PP/FPM
8B115BT4012PVFP	15	DN04/06	6L	PVDF/FPM

Technical data 8B...

Max. media temperature*	PA	PP	PVDF
	60 °C	90 °C	120 °C
Pressure stage	PN 10		
Manifold volume			
8B105BT...	0.2 dm ³		
8B105FG...	0.17 dm ³		
8B105P...	0.17 dm ³		
8B105T...	0.17 dm ³		
8B105VT...	0.2 dm ³		
8B110BT...	0.4 dm ³		
8B110FG...	0.35 dm ³		
8B110P...	0.35 dm ³		
8B110T...	0.35 dm ³		
8B110VT...	0.4 dm ³		
8B115BT...	0.6 dm ³		
8B115FG...	0.5 dm ³		
8B115P...	0.5 dm ³		
8B115T...	0.5 dm ³		
8B115VT...	0.6 dm ³		

* Starting from the nominal pressure rating (20 °C), the permissible pressure reduces with increasing temperature!

Manifolds (Series 8B) with connectors for pipe (Series 2N)

8



Article-Nr	Outlets	Connection	Material
8B105P4012PP	5	D06	PP
8B115P4012PP	15	D06	PP

Technical data 8B...

Max. media temperature*	PA	PP	PVDF
	60°C	90°C	120°C
Pressure stage	PN 10		
Manifold volume			
8B105BT...	0.2 dm ³		
8B105FG...	0.17 dm ³		
8B105P...	0.17 dm ³		
8B105T...	0.17 dm ³		
8B105VT...	0.2 dm ³		
8B110BT...	0.4 dm ³		
8B110FG...	0.35 dm ³		
8B110P...	0.35 dm ³		
8B110T...	0.35 dm ³		
8B110VT...	0.4 dm ³		
8B115BT...	0.6 dm ³		
8B115FG...	0.5 dm ³		
8B115P...	0.5 dm ³		
8B115T...	0.5 dm ³		
8B115VT...	0.6 dm ³		

Manifolds (Series 8B) with connectors for tube (Series 1A)

8



Article-Nr	Outlets	Connection	Material
8B105T4012PP	5	DN04/06	PP
8B110T4012PP	10	DN04/06	PP
8B110T4012PV	10	DN04/06	PVDF
8B115T4012PP	15	DN04/06	PP

Technical data 8B...

Max. media temperature*	PA	PP	PVDF
	60 °C	90 °C	120 °C
Pressure stage	PN 10		
Manifold volume			
8B105BT...	0.2 dm ³		
8B105FG...	0.17 dm ³		
8B105P...	0.17 dm ³		
8B105T...	0.17 dm ³		
8B105VT...	0.2 dm ³		
8B110BT...	0.4 dm ³		
8B110FG...	0.35 dm ³		
8B110P...	0.35 dm ³		
8B110T...	0.35 dm ³		
8B110VT...	0.4 dm ³		
8B115BT...	0.6 dm ³		
8B115FG...	0.5 dm ³		
8B115P...	0.5 dm ³		
8B115T...	0.5 dm ³		
8B115VT...	0.6 dm ³		

Manifolds (Series 8B) with shutt-off valves
(Series 5A) and connectors for tube (Series 1A)

8



Article-Nr	Outlets	Connection	Fittings	Material
8B105VT4012PPFP	5	DN04/06	5A	PP/FPM

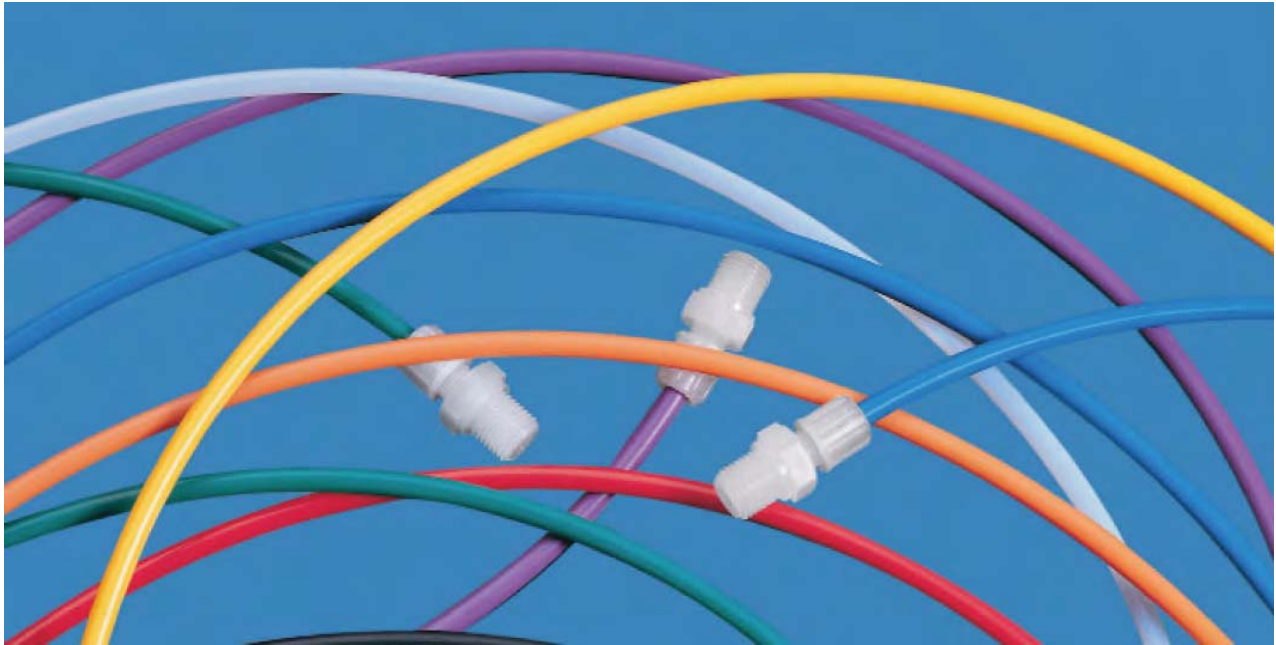
Technical data 8B...

Max. media temperature*	PA	PP	PVDF
	60 °C	90 °C	120 °C
Pressure stage	PN 10		
Manifold volume			
8B105BT...	0.2 dm ³		
8B105FG...	0.17 dm ³		
8B105P...	0.17 dm ³		
8B105T...	0.17 dm ³		
8B105VT...	0.2 dm ³		
8B110BT...	0.4 dm ³		
8B110FG...	0.35 dm ³		
8B110P...	0.35 dm ³		
8B110T...	0.35 dm ³		
8B110VT...	0.4 dm ³		
8B115BT...	0.6 dm ³		
8B115FG...	0.5 dm ³		
8B115P...	0.5 dm ³		
8B115T...	0.5 dm ³		
8B115VT...	0.6 dm ³		



Flexible tubes and pipes 610

Flexible tubes and pipes in various plastic materials, colours and dimensions from DN 1/3 mm up to 18/20 mm.



- 1) High operational reliability due to uniform wall thicknesses
- 2) A wide range of dimensions provides solutions for all connection requirements
- 3) Available in various materials

A tight and safe connection depends on the tolerance precision and centrifugation of the pipe along its entire length. For this reason, EM-TECHNIK offers pipes for almost every application in the most common materials and colours.



Article-Nr	Nominal Diameter	Packing unit	Material
SL100S02PF10	DN1/16"/1/8"	10m	PFA
SL100S02PF50	DN1/16"/1/8"	50m	PFA
SL100S03PF10	DN1/8"/1/4"	10m	PFA
SL100S03PF50	DN1/8"/1/4"	50m	PFA
SL100S04PF10	DN5/32"/1/4"	10m	PFA
SL100S04PF50	DN5/32"/1/4"	50m	PFA
SL100S05PF10	DN1/6"/1/4"	10m	PFA
SL100S05PF50	DN1/6"/1/4"	50m	PFA
SL100S05PT50	DN1/6"/1/4"	50m	PTFE
SL100S11PF10	DN1/4"/3/8"	10m	PFA
SL100S11PF50	DN1/4"/3/8"	50m	PFA
SL100S11PT50	DN1/4"/3/8"	50m	PTFE
SL100S13PT10	DN01/03	10m	PTFE
SL100S13PT50	DN01/03	50m	PTFE
SL100S15PF10	DN3/8"/1/2"	10m	PFA
SL100S15PF50	DN3/8"/1/2"	50m	PFA
SL100S15PT50	DN3/8"/1/2"	50m	PTFE
SL100S18PF10	DN5/8"/3/4"	10m	PFA
SL100S18PF50	DN5/8"/3/4"	50m	PFA
SL100S19PF50	DN02/03	50m	PFA
SL100S19PT10	DN02/03	10m	PTFE
SL100S19PT25	DN02/03	25m	PTFE
SL100S19PT50	DN02/03	50m	PTFE
SL100S20PE100	DN02/04	100m	PE
SL100S20PF10	DN02/04	10m	PFA
SL100S20PF50	DN02/04	50m	PFA
SL100S20PT10	DN02/04	10m	PTFE
SL100S20PT25	DN02/04	25m	PTFE
SL100S20PT50	DN02/04	50m	PTFE
SL100S20PV10	DN02/04	10m	PVDF
SL100S20PV50	DN02/04	50m	PVDF
SL100S20SLK25	DN02/04	25m	SILIKON
SL100S24PF10	DN7/8"/1"	10m	PFA
SL100S24PF50	DN7/8"/1"	50m	PFA
SL100S35PF50	DN03/05	50m	PFA
SL100S35PT10	DN03/05	10m	PTFE
SL100S35PT50	DN03/05	50m	PTFE
SL100S40PAS100	DN04/06	100m	PA
SL100S40PCW100	DN04/06	100m	PVC NATURE
SL100S40PE100	DN04/06	100m	PE
SL100S40PE25	DN04/06	25m	PE
SL100S40PF10	DN04/06	10m	PFA
SL100S40PF100	DN04/06	100m	PFA
SL100S40PF25	DN04/06	25m	PFA
SL100S40PF50	DN04/06	50m	PFA
SL100S40PF500	DN04/06	500m	PFA
SL100S40PT10	DN04/06	10m	PTFE
SL100S40PT100	DN04/06	100m	PTFE
SL100S40PT20	DN04/06	20m	PTFE
SL100S40PT25	DN04/06	25m	PTFE
SL100S40PT50	DN04/06	50m	PTFE
SL100S40PV10	DN04/06	10m	PVDF
SL100S40PV100	DN04/06	100m	PVDF
SL100S40PV25	DN04/06	25m	PVDF
SL100S40PV50	DN04/06	50m	PVDF
SL100S40SLK25	DN04/06	25m	SILIKON
SL100S42PE100	DN05/08	100m	PE
SL100S42PT10	DN05/08	10m	PTFE
SL100S42PT50	DN05/08	50m	PTFE
SL100S42SLK25	DN05/08	25m	SILIKON
SL100S43PAS100	DN06/08	100m	PA
SL100S43PCW100	DN06/08	100m	PVC NATURE

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Article-Nr	Nominal Diameter	Packing unit	Material
SL100S43PE100	DN06/08	100m	PE
SL100S43PF10	DN06/08	10m	PFA
SL100S43PF100	DN06/08	100m	PFA
SL100S43PF250	DN06/08	250m	PFA
SL100S43PF50	DN06/08	50m	PFA
SL100S43PT10	DN06/08	10m	PTFE
SL100S43PT100	DN06/08	100m	PTFE
SL100S43PT25	DN06/08	25m	PTFE
SL100S43PT50	DN06/08	50m	PTFE
SL100S43PV10	DN06/08	10m	PVDF
SL100S43PV25	DN06/08	25m	PVDF
SL100S43PV50	DN06/08	50m	PVDF
SL100S43SLK25	DN06/08	25m	SILICON
SL100S44PCW100	DN06/10	100m	PVC NATURE
SL100S44PE100	DN06/10	100m	PE
SL100S44PT10	DN06/10	10m	PTFE
SL100S44PT25	DN06/10	25m	PTFE
SL100S44PT50	DN06/10	50m	PTFE
SL100S44SLK25	DN06/10	25m	SILIKON
SL100S45PAS100	DN08/10	100m	PA
SL100S45PCW100	DN08/10	100m	PVC NATURE
SL100S45PE100	DN08/10	100m	PE
SL100S45PF10	DN08/10	10m	PFA
SL100S45PF50	DN08/10	50m	PFA
SL100S45PT10	DN08/10	10m	PTFE
SL100S45PT100	DN08/10	100m	PTFE
SL100S45PT25	DN08/10	25m	PTFE
SL100S45PT50	DN08/10	50m	PTFE
SL100S45PV10	DN08/10	10m	PVDF
SL100S45PV25	DN08/10	25m	PVDF
SL100S45PV50	DN08/10	50m	PVDF
SL100S45SLK25	DN08/10	25m	SILIKON
SL100S46PE100	DN08/12	100m	PE
SL100S46PT10	DN08/12	10m	PTFE
SL100S46PT25	DN08/12	25m	PTFE
SL100S46PT50	DN08/12	50m	PTFE
SL100S46SLK25	DN08/12	25m	SILIKON
SL100S47PE100	DN09/12	100m	PE
SL100S47PT10	DN09/12	10m	PTFE
SL100S47PT50	DN09/12	50m	PTFE
SL100S48PAS100	DN10/12	100m	PA
SL100S48PCW100	DN10/12	100m	PVC NATURE
SL100S48PE100	DN10/12	100m	PE
SL100S48PF10	DN10/12	10m	PFA
SL100S48PF100	DN10/12	100m	PFA
SL100S48PF25	DN10/12	25m	PFA
SL100S48PF50	DN10/12	50m	PFA
SL100S48PT10	DN10/12	10m	PTFE
SL100S48PT100	DN10/12	100m	PTFE
SL100S48PT25	DN10/12	25m	PTFE
SL100S48PT50	DN10/12	50m	PTFE
SL100S48PV10	DN10/12	10m	PVDF
SL100S48PV50	DN10/12	50m	PVDF
SL100S49PCW50	DN10/14	50m	PVC NATURE
SL100S49PE100	DN10/14	100m	PE
SL100S49PE50	DN10/14	50m	PE
SL100S49PF50	DN10/14	50m	PFA
SL100S49PT10	DN10/14	10m	PTFE
SL100S49PT50	DN10/14	50m	PTFE
SL100S49SLK25	DN10/14	25m	SILICON
SL100S51PF10	DN12/14	10m	PFA
SL100S51PF50	DN12/14	50m	PFA

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Article-Nr	Nominal Diameter	Packing unit	Material
SL100S51PT10	DN12/14	10m	PTFE
SL100S51PT50	DN12/14	50m	PTFE
SL100S52PE100	DN12/16	100m	PE
SL100S52PT10	DN12/16	10m	PTFE
SL100S52PT50	DN12/16	50m	PTFE
SL100S52SLK25	DN12/16	25m	SILICON
SL100S53PT10	DN14/16	10m	PTFE
SL100S53PT50	DN14/16	50m	PTFE
SL100S54PT50	DN14/18	50m	PTFE
SL100S55PT10	DN16/18	10m	PTFE
SL100S55PT50	DN16/18	50m	PTFE
SL100S56PE100	DN16/20	100m	PE
SL100S56PT10	DN16/20	10m	PTFE
SL100S56PT25	DN16/20	25m	PTFE
SL100S56PT50	DN16/20	50m	PTFE
SL100S57PT10	DN18/20	10m	PTFE
SL100S77PT50	DN6/9	50m	PTFE



Article-Nr	Nominal Diameter	Packing unit	Material
SL400S40PCW100	DN04/10	100m	PVC NATURE
SL400S44PCW50	DN06/12	50m	PVC NATURE
SL400S45PCW50	DN08/14	50m	PVC NATURE
SL400S54PCW20	DN12/21	20m	PVC NATURE
SL400S56PCW50	DN13/19	50m	PVC NATURE