

AVPVM

ピンチ弁手動タイプ Pinch valve manual type

Specialty Valves and Control Products **Dymatrix™**     



Straight flow

The straight flow path applies no stress to the medium. There is almost no influence to the particle size even with highly coherent fluids such as slurry. It can also be used for DI water, and there is no restriction on the flow direction.

Excellent durability/seal performance

The use of a pinch seal structure provides superior durability. Our slurry evaluation test shows there is no decline in the sealing performance, and that it has excellent durability against foreign substances caught in the flow passage.

Specifications

項目	Items	Unit	Size				
			6×4	10×8	12×10	19×16	25×22
			6.35×4.35	9.53×6.35	12.70×9.53	19.05×15.88	25.40×22.20
作動	Actuation	—	Manual				
流体温度	Medium Temperature	℃	10 ~ 40				
構造耐圧	Proof Pressure	MPa	1.0 145psi				
使用圧力範囲	Working Pressure range	MPa	0 ~ 0.5 0 ~ 72.5psi				
弁座漏れ量	Leakage Rate	cm ³ /min	0 (at hydraulic pressure 23℃)				
周囲温度	Ambient Temperature	℃	10 ~ 40				
取付姿勢	Installation direction	—	Any direction				
接続	Connection	—	Flowell 20 series Flowell 60 series Super Type Pillar Fitting Super 300 Type Pillar Fitting Flare Type Rc、FNPT				
オリフィス※	Orifice diameter	mm	φ 3.5	φ 6	φ 7	φ 11	φ 11
Cv値※	Cv value	—	0.4	1.2	2.1	6.9	6.9
重量	Weight	kg	0.2	0.4	0.4	0.7	0.9

※ Typical value.

Ordering Code

AVPVM — **F**

Body material	
F	PVDF

① Connection tubing size			
06	6× 4	6.35× 4.35	□35
10	10× 8	9.53× 6.35	□45
12	12×10	12.70× 9.53	
19	19×16	19.05×15.88	□55
25	25×22	25.40×22.20	



③ Connection	
2	Flowell 20 series
6	Flowell 60 series
S	Super Type Pillar Fitting
3	Super 300 Type Pillar Fitting
F ※1	Flare Type
R ※1	Rc
N ※1	FNPT

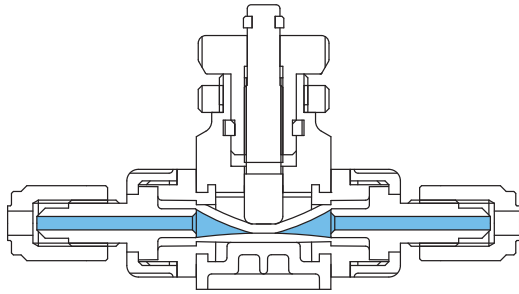
④ Mounting	
0	Thread at bottom
1 ※2	Base plate

※1: In the case of the connection is "F", "R" or "N", only "I (Inch)" can be selected for the "Tubing Standard".

※2: In the case of tubing size "25", only "1 (Base plate)" can be selected for "Mounting".

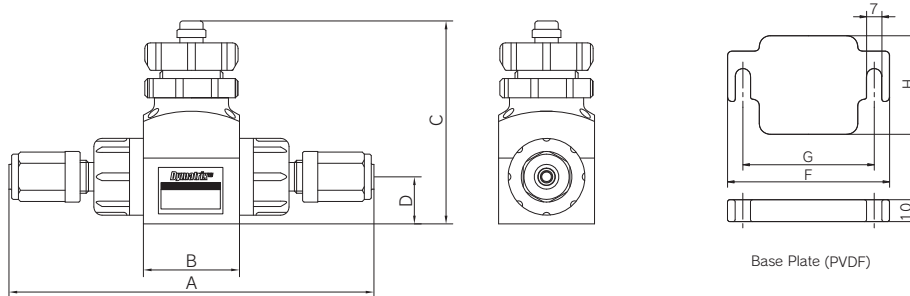
Ordering code example
AVPVM-F06I30
AVPVM-F25M61

Parts & Materials

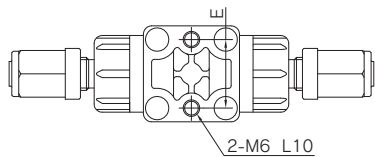


Parts	Material	Wetted parts
Actuator	PVDF	
Tube	Silicon based rubber	○
End connector	PTFE	○

Dimensions



Base Plate (PVDF)

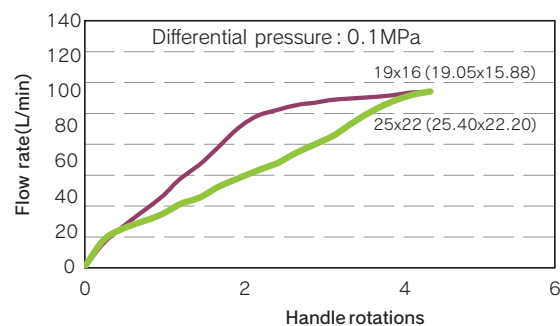
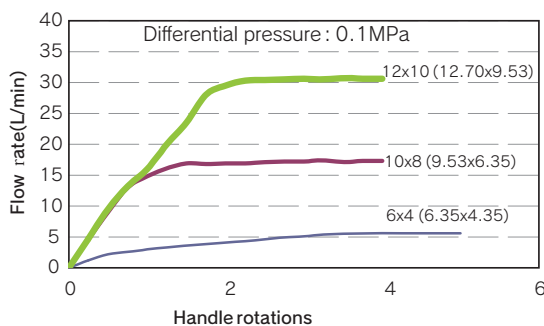


(Unit) : mm

A		Standard	Size					
			6×4	10×8	12×10	19×16	25×22	
			6.35×4.35	9.53×6.35	12.70×9.53	19.05×15.88	25.40×22.20	
Flowell 20 series	inch		107	140	148	172	194	
	mm		105	137	145	172	194	
	Flowell 60 series	inch		133	173	173	198	212
		mm		131	169	169	198	209
	Super Type Pillar Fitting	inch/mm		110	148	155	189	220
	Super 300 Type Pillar Fitting	inch/mm		109	145	153	182	216
	Flare Type	inch		127	157	161	186	204
Rc. FNPT	inch		81	111	111	142	156	
	B		□ 35	□ 45	□ 45	□ 55	□ 55	
	C		74 (MAX79)	82.5 (MAX90.5)	82.5 (MAX90.5)	102 (MAX115)	112 (MAX125)	
	D		17	23	23	26	36	
	E		25	32	32	42	42	
	F		64	74	74	85	85	
	G		50	60	60	70	70	
	H		35	45	45	55	55	

※ Reference value.

Technical Data



The data shown here is the experimental values and the reference values.

- AVPV3
- AVPVM
- AVPVS
- AVPVS2
- AVSDV
- AVSDVM
- AVSDVT
- AVSAS
- AVMPV
- AVDIV
- AVWV
- AVHPR
- AVHPRM
- AVHPRS
- AVBPR
- AVCFV
- AVCFV2
- AVQDV
- AVBVX
- AVPJX
- AVSIV
- AVFCS2
- AVFCN
- OTHER