



Dymatrix™

The Dymatrix™ product line offers unique flow control solutions that are ideally suited for CMP slurry, DI water, and chemical process applications.

MPV Manifolds

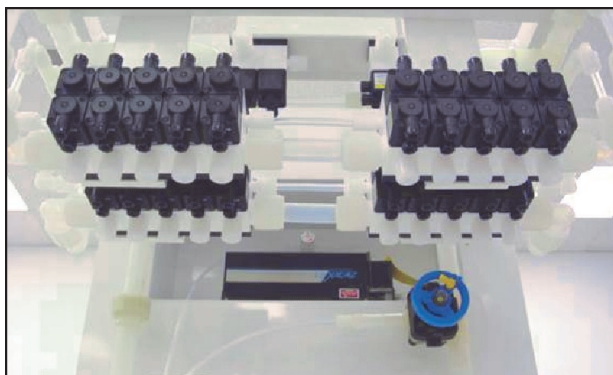
Dymatrix™ multiport valve manifolds are fully customizable and developed in collaboration with customers to meet their specific needs. Both manual multi-turn and pneumatic actuators can be configured on manifold bodies featuring custom flow paths and user defined connections.

FEATURES AND BENEFITS

- Compact, space-saving footprint
- Quick turn prototype program
- PTFE poppet style diaphragm
- Fully flushable, zero dead-leg flow path
- Reduced connections minimize potential leak points
- Ultra high purity, low particle generation components
- Cleanroom fabrication and assembly

APPLICABLE STANDARDS

- SEMI F57/F40 leach out
- FDA CFR 21 177.2510
- TSE/BPE free
- USP Class VI (consult with Asahi/America Engineering)



MPV's integrated on custom equipment manufactured at Asahi/America



STANDARD SPECIFICATIONS

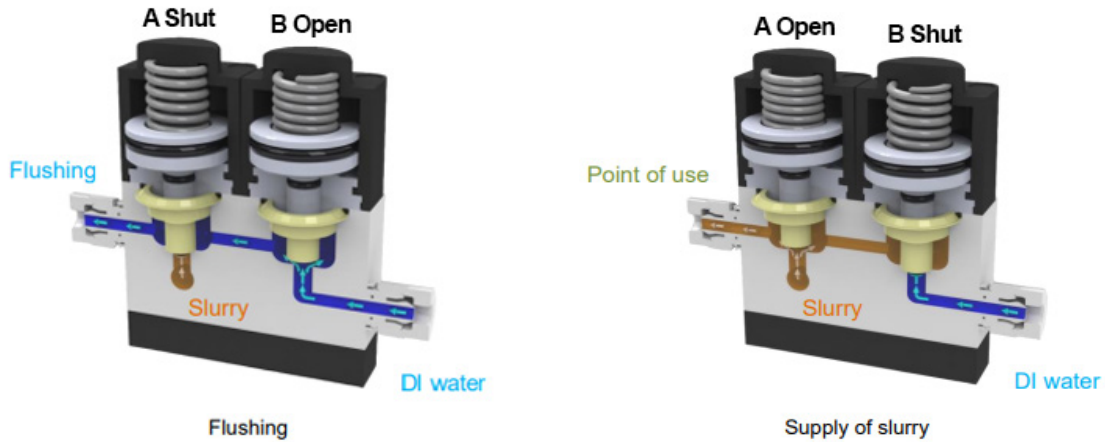
Diaphragm:	PTFE
Max Pressure:	100psi (forward)
Max Temp:	176° F (80° C) media 122° F (50° C) ambient
N/C Pilot:	1/8" FNPT, 60psi
N/O Pilot:	1/8" FNPT, 45psi

OPTIONS

Sizes:	1/4" - 1"
Actuator Bonnet:	PPS or PVDF
Manifold Body:	PTFE, PVDF, PVC
O-ring:	FKM, EPDM, Viton F, Kalrez (non-wetted)
Operation:	Air-spring closed (N/C) Air-spring open (N/O) Manual multi-turn
Connection:	S300, flare, FNPT, spigot, sanitary TC, union end

APPLICATION EXAMPLE

Separate actuators control each valve individually. Actuator 'A' controls flow of media to the point of use. Actuator 'B' controls flow of a secondary media which allows for complete flushing of the media from the lines, prior to the next chemical operation.



Ideally suited for OEM applications such as electroplating, CMP, wet etch, and chemical distribution found in the semiconductor and life sciences industries.

APPLICATION EXAMPLE PHOTO



FLOW PATH DIAGRAM

