

MV-11 Series

1/2" Manual PFA 2 Way Valves

aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding

Product Overview:

The MV-11 Series is designed for semiconductor, ultra-pure water and aggressive chemical and gas applications.

The MV-11 Series utilizes a molded PFA body with precision machined sealing areas for superior chemical resistance. The design has a modified PTFE diaphragm which provides excellent flexibility, a high cycle life, lower replacements costs and less downtime.

The MV-11 Series has a full 1/2" orifice which provides maximum flow capability in a compact package.



Contact Information:

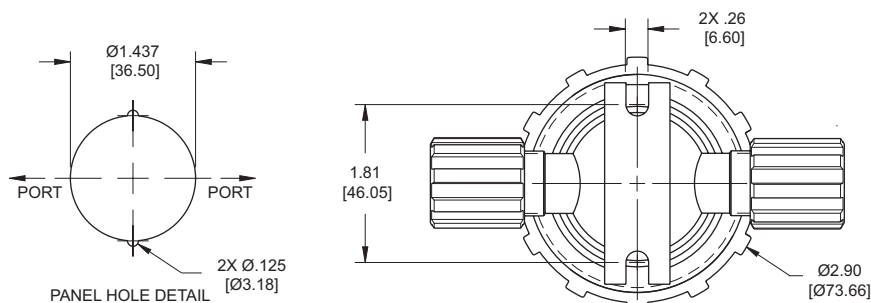
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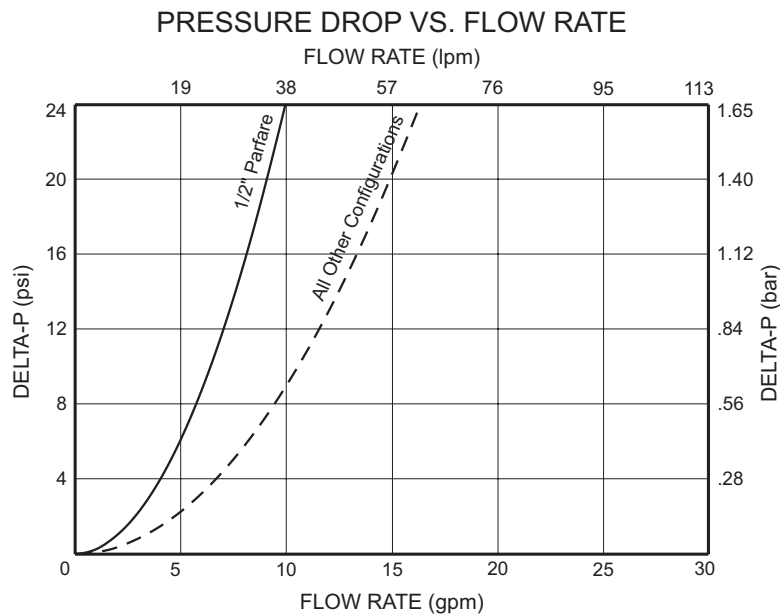
Product Features:

- Diaphragms manufactured from modified PTFE provide over five times the flexural life as compared to conventional PTFE.
- Tongue and groove seat and diaphragm for positive through flow shut off and diaphragm to body seal.
- PVDF coated stainless steel spring reduces effects of corrosive environments.
- Submergible option isolates all valve components from the external environment which allows valve to remain functional while operating in wet or gaseous corrosive environments.



MV-11 Series

Flow Curve



Ordering Information

Model Number	Operation	End Size	End Type	A	
				inch	mm
MV-11-001	1/4 TURN	1/2"	PARFLARE	4.75	120.65
MV-11-002		3/4"	PARFLARE	5.67	144.02
MV-11-003		1/2"	PARBOND	5.67	144.02
MV-11-004		3/4"	PARBOND	5.73	145.54
MV-11-005		1/2"	FNPT	2.73	69.34
MV-11-201	MULTI-TURN	1/2"	PARFLARE	4.75	120.65
MV-11-202		3/4"	PARFLARE	5.67	144.02
MV-11-203		1/2"	PARBOND	5.67	144.02
MV-11-204		3/4"	PARBOND	5.73	145.54
MV-11-205		1/2"	FNPT	2.73	69.34

Parflare models are supplied with PVDF nuts. For PFA nuts add -T to model number.

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Specifications

Materials of Construction	
Wetted Options	PFA, Modified PTFE
Non-wetted Options	PFA, PVDF, Viton, PVDF coated SS spring
Pressure Ranges	
Forward	27" HG vacuum (913 mbar) - 100 PSIG (7 bar)
Backward	27" HG vacuum (913 mbar) - 100 PSIG (7 bar)

Pressure ranges for operation at ambient temperatures. For additional information on materials of construction, functional performance and operating conditions, please contact factory.

Temperature Ranges	
Ambient	0° - 150° F (-17° - 66° C)
Fluid	0° - 266° F (-17° - 130° C)
Flow Capacity	
1/2" Parflare	C _V 2.3
All Other Configurations	C _V 3.7

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