MV-16 3/4” Manual PFA 2 Way Valve

Product Overview

The MV-16 PFA diaphragm valve is designed for use in high purity semiconductor applications, and is also ideally suited for ultra-pure water and aggressive chemical or gas applications. The design utilizes a molded high purity PFA body with precision machined seat and diaphragm sealing areas. A one piece machined modified PTFE diaphragm is also utilized for excellent flexibility and life. The MV-16’s multi-turn capability allows precise flow adjustment. A full 3/4” orifice provides maximum flow capability in a compact package.

Features	Benefits
One piece precision machined diaphragm manufactured from the latest technology modified PTFE. Provides 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.	**High cycle life.**
	Lower replacement costs.
	Less downtime.
Halar coated stainless steel spring.	**Reduces effects of corrosive environments.**

Specifications

Materials of Construction

Wetted: PFA, Modified PTFE
Non-wetted: PVDF, Viton, PTFE coated SS spring

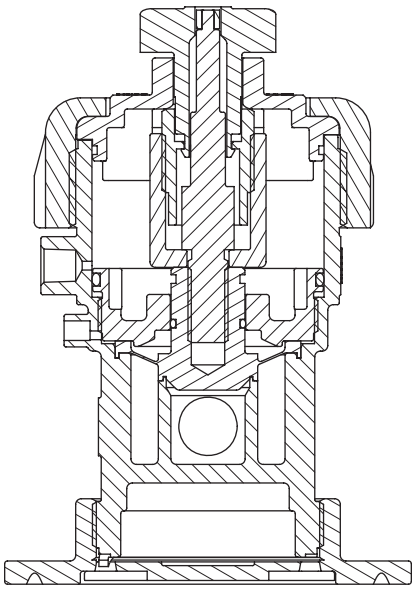
Pressure Ranges

0 - 120 PSIG (8.3 bar) See Cracking Pressure Chart on next page.

Pressure ranges for operation at ambient temperatures. For use at higher temperatures consult Pressure/Temperature chart on page 3.

Temperature Ranges

Ambient: 0° - 150° F (-17° - 66° C)
Fluid: 0° - 266° F (-17° - 130° C)



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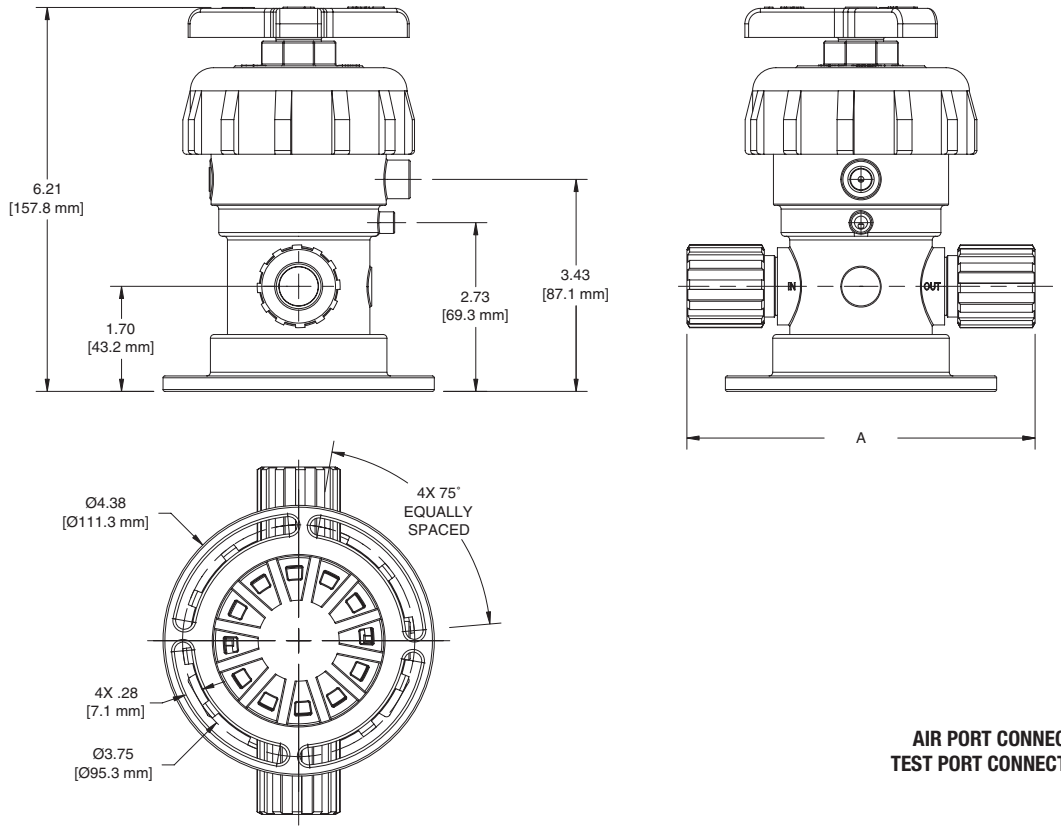
Tucson, AZ

BRACKETED DIMENSIONS ARE IN mm.

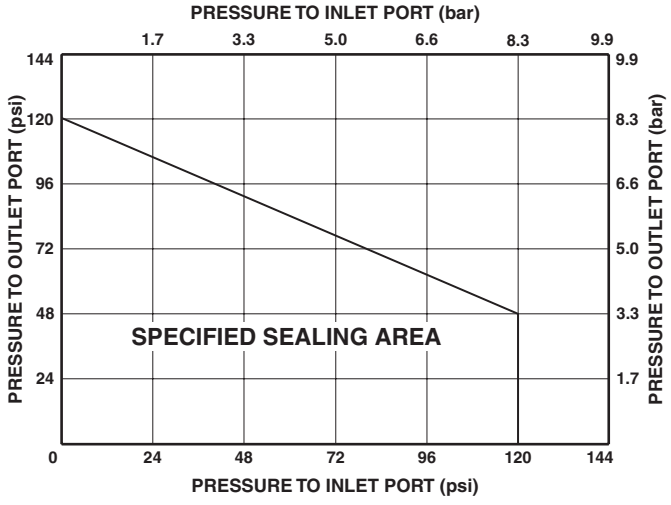


AIR PORT CONNECTION, 1/8" FNPT
TEST PORT CONNECTION, 1/4-28 UNF

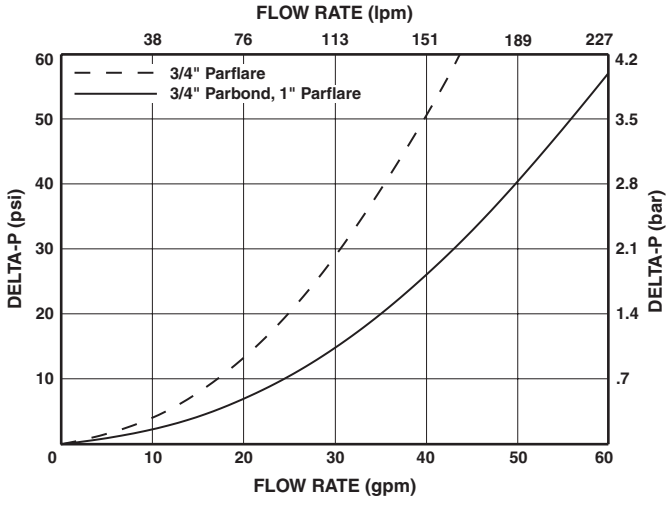
Model Number	*Cv*	*Kv*	*Flow Configuration*	*Port Configuration*	*Dimension in [mm] A*
MV-16-0612	5.8	82.7	ON/OFF	3/4" Parflare	5.54 [140.72]
MV-16-0612-01	5.8	82.7		3/4" Parflare Long	6.48 [164.59]
MV-16-0616	7.9	112.6		1" Parflare*	9.12 [231.65]
MV-16-0712	7.9	112.6		3/4" Parbond	5.90 [149.86]

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

CRACKING PRESSURE



PRESSURE DROP VS. FLOW RATE



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