

MV-20-04 Series

2 Way 1/4" Manual PTFE Slurry Valve

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

Product Overview:

The MV-20-04 Series is designed for slurry, ultra-pure water and aggressive chemical and gas applications.

The MV-20-04 Series utilizes a machined PTFE body for superior chemical resistance. The design has a modified PTFE diaphragm which improves cycle life and provides less shear than standard PTFE. The fully swept open bowl diaphragm seat area minimizes fluid shear while the self draining design minimizes area for entrapment and stagnation of media.

The MV-20-04 Series high load point seat seal improves the sealing mechanism for aggressive chemicals, deionized water and abrasive slurry media while minimizing the particle contribution of the valve.



Contact Information:

Parker Hannifin Corporation
Veriflo Division
Partek Operation
7075 East Southpoint Road
Tucson, Arizona 85756

phone 520 574 2600
fax 520 574 2700

www.parker.com/partek

Product Features:

- Angled and rounded internal flow path provides faster purging and cleaning of valve.
- Flow path design produces less pressure drop which allows for lower pressure requirements upstream and improves fluid flow dynamics.
- Evenly distributed seat sealing forces minimizes diaphragm and valve seat strain while stabilizing valve back pressure capability.
- Maximized diaphragm thickness minimizes potential for permeation while maximizing cycle life.



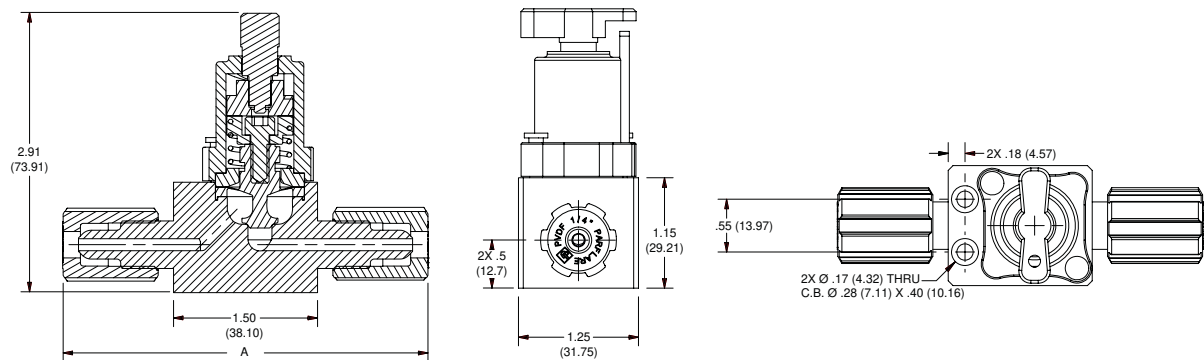
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MV-20-04 Series

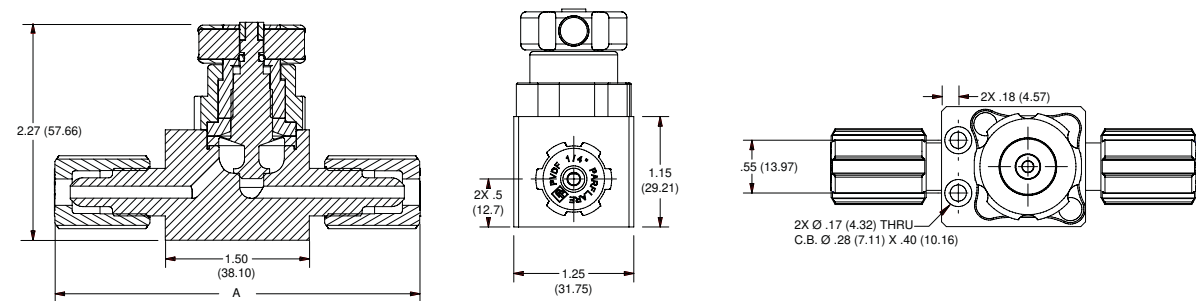
Dimensional Drawing

Note: Parenthesis dimensions are in "mm"

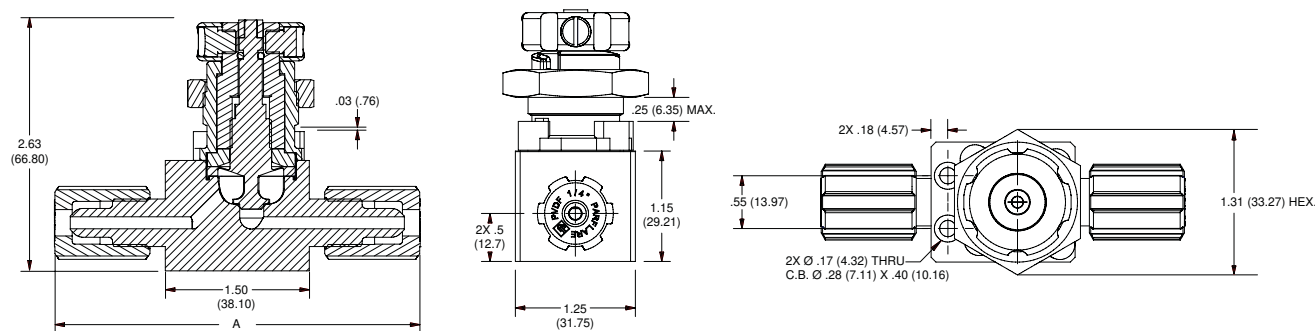
1/4 TURN OPERATION LOTO



MULTI-TURN OPERATION

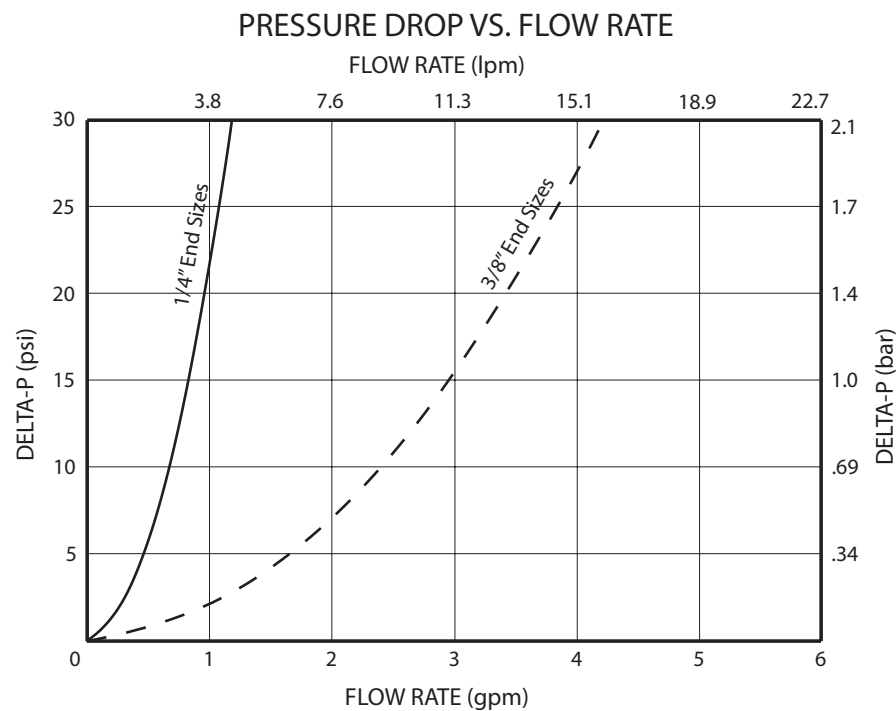


MULTI-TURN OPERATION PANEL



MV-20-04 Series

Flow Curves



Ordering Information

Model Number	Operation	End Size	End Type	A	
				inch	mm
MV-20-04-0604	1/4 TURN LOTO	1/4"	PARFLARE	3.80	96.52
MV-20-04-0606	1/4 TURN LOTO	3/8"	PARFLARE	3.96	100.58
MV-20-04-0904-S3	1/4 TURN LOTO	1/4"	PILLAR	3.20	81.28
MV-20-04-0906-S3	1/4 TURN LOTO	3/8"	PILLAR	3.49	88.65
MV-20-04-0604-MT	MULTI-TURN	1/4"	PARFLARE	3.80	96.52
MV-20-04-0606-MT	MULTI-TURN	3/8"	PARFLARE	3.96	100.58
MV-20-04-0904-MT-S3	MULTI-TURN	1/4"	PILLAR	3.20	81.28
MV-20-04-0906-MT-S3	MULTI-TURN	3/8"	PILLAR	3.49	88.65
MV-20-04-0604-MT-P	MULTI-TURN PANEL MOUNT	1/4"	PARFLARE	3.80	96.52
MV-20-04-0606-MT-P	MULTI-TURN PANEL MOUNT	3/8"	PARFLARE	3.96	100.58
MV-20-04-0904-S3-MT-P	MULTI-TURN PANEL MOUNT	1/4"	PILLAR	3.20	81.28
MV-20-04-0906-S3-MT-P	MULTI-TURN PANEL MOUNT	3/8"	PILLAR	3.49	88.65

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Specifications

Materials of Construction	
Wetted Options	PTFE, Modified PTFE
Non-wetted Options	PVDF, Viton, PTFE coated SS spring
Pressure Ranges	
Ranges	27" HG vacuum (913 mbar) - 80 PSIG (5.5 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	
1/4" End Sizes	C _V .20
3/8" End Sizes	C _V .76

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