

Metering Bellows Valve VBMV Series

VIGOUR

Product Feature

- Micrometer-style handle for precise and repeatable flow setting.
- Micrometer handle measures stem position in 0.001 in. (0.025 mm) increments.
- The product is fabricated in compliance with the VS001B process specification
- Working pressure up to 700 psig (48.2 bar)
- Temperature up to 315 °C (600 °F)
- 316 stainless steel construction
- Cv = 0.019 with metering stem tip
- Cv = 0.30 with regulating stem tip

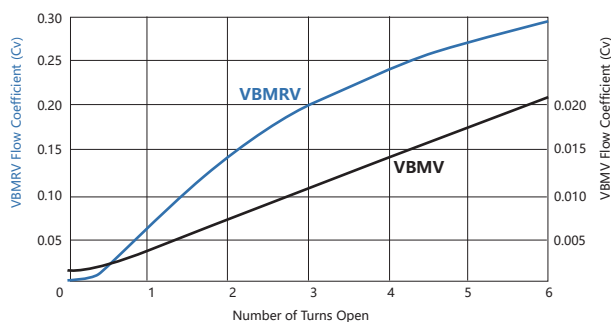


Technical Data

Valve body vs. bellows seal	Stem tip	Stem taper	Cv	Internal volume in.3 (cm3)	Series
Gasket	Metering	3°	0.019	0.07 (1.1)	VBMV
	Regulation	20°	0.3	0.11 (1.6)	VBMRV

Flow Coefficient at Turns Open

Flow Data at 20°C (70°F)

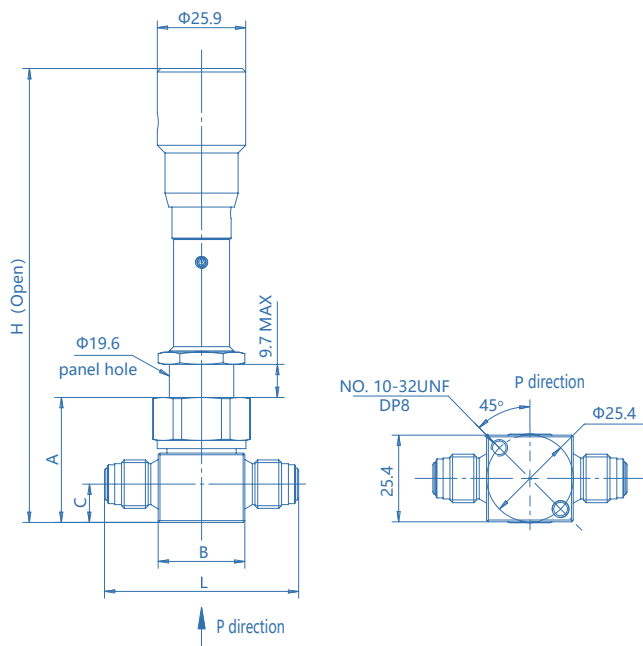


Pressure-temperature rating

Material	316 SS
Series	VBMV / VBMRV
Temperature, °C(°F)	operating pressure, psig (bar)
-28 (-20) to 37 (100)	700 (48.2)
93 (200)	610 (42.0)
148 (300)	530 (36.5)
204 (400)	450 (31.0)
260 (500)	375 (25.8)
315 (600)	300 (20.6)



Dimensions (mm)



Ordering Information

End Connections		Series	Ordering Number	Dimensions, (mm)					
Fitting	Inlet / Outlet			Tube OD	H	A	C	B	L
Tube Fitting	1/4"	VBMV	SS-VBMV-04-04	1.4	133	36.8	14.2	26.9	62.5
		VBMRV	SS-VBMRV-04-04	4.2	133				
	6mm	VBMV	SS-VBMV-6M-6M	1.4	133	36.8			
		VBMRV	SS-VBMRV-6M-6M	4.2	133				
Tube Weld	3/8"	VBMV	SS-VBMV-TW6-TW6	1.4	133	36.8	14.2	25.4	42.7
		VBMRV	SS-VBMRV-TW6-TW6	4.2					
VFS male	1/4"	VBMV	SS-VBMV-MV4-MV4	1.4	133	36.8	11.2	25.4	56.9
		VBMRV	SS-VBMRV-MV4-MV4	4.2	133				

