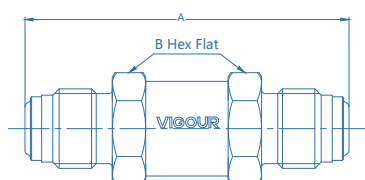


Product Feature

- Compact check valve
- O-ring Materials: FKM standard, EPDM or FFKM optional
- Working pressure: Max. 6000 psig (413 bar)
- The product is fabricated in compliance with the VS001B process specification
- Opening pressure: 1/3psi / 1psi
- Inlet/outlet connection: VFS fitting



Dimensions (mm)



Ordering Number	Dimensions (mm)	
	A	B
VCVH-S-MV4-MV4	58.2	17.4
VCVH-S-MV8-MV8	68.3	25.4
VCVH-S-MV12-MV12	96	41.2

Typical Applications

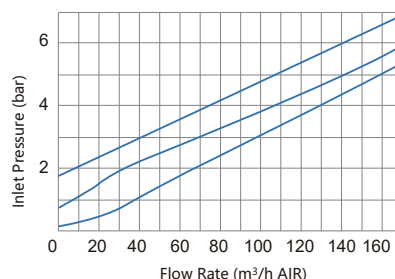
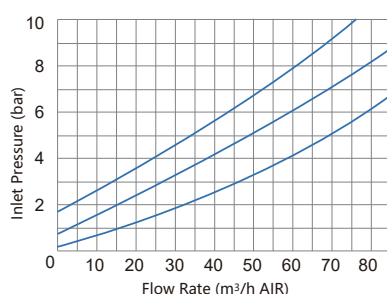
- Designed for instrument panels and systems
- Hydrogen energy
- High-flow applications

Technical Data

Working pressure:	Max. 6000 psig (413 bar)
Opening pressure:	1/3psi / 1psi
Parent material:	see ordering info
Inlet/outlet connection:	see ordering info
O-ring:	FKM (standard) EPDM / FFKM (optional)
Leakage rate:	Bubble-tight

Nominal opening pressure	Opening pressure range	Reset pressure
psi (bar)		
1/3 (0.03)	3 (0.21) under	6 (0.42) under
1 (0.07)	4 (0.28) under	5 (0.35)
5 (0.35)	3~9 (0.21~0.63)	2 (0.14)
10 (0.69)	7~15 (0.49~1.1)	3 (0.21)
25 (1.8)	20~30 (1.4~2.1)	17 (1.21)

Flowchart



The rating is based on fluorocarbon FKM seals.

Material	316 SS	
Series	MV4 / MV8	MV12
Temperature, °C(°F)	Work pressure, psig (bar)	
-28 (-20) to 37 (100)	6000 (413)*	5000 (344)*
93 (200)	5160 (355)	4290 (295)
121 (250)	4910 (338)	4080 (281)
148 (300)	4660 (321)	3875 (266)
204 (400)	4280 (294)	3560 (245)

*For detailed information on the pressure ratings of valves with compression tube fitting end connections, refer to the VIGOUR Compression Tube Data.

*The pressure rating may be limited by the end connection.

Ordering Information

VCVH - S - MV4 - MV4 - E - 1

Materials

S: 316L
H: Hastelloy® C276

Inlet / Outlet Connection

MV4: 1/4" VFS male
MV8: 1/2" VFS male
MV12: 3/4" VFS male

Opening pressure

1: 1psi
1/3: 1/3 psi

O-ring

None: FKM
E: EPDM
K: FFKM

