

Product Feature

- Suitable for ultra-pure, flammable or toxic fluid lines in semiconductor manufacturing equipment and facilities
- Direct diaphragm construction with superior sealing performance, remarkable durability, compactness and particle and dead-space-free performance
- The product is fabricated in compliance with the VS001A process specification
- Valve open and closed position is easily visible at a glance
- Excellent gas displacement characteristics
- EP treatment is standard for all wetted surfaces
- Standard seat material is PCTFE, Polyimide is option

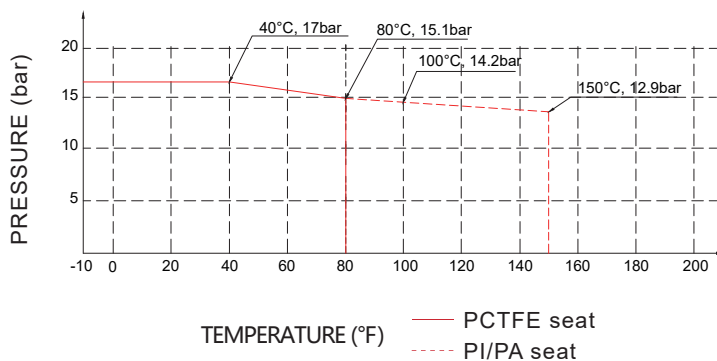


3/4" manual actuator



1/2" manual actuator

Temperature / Pressure Rating

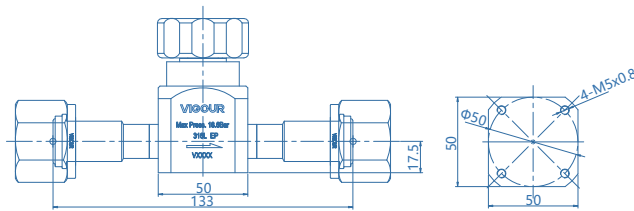


Technical Data

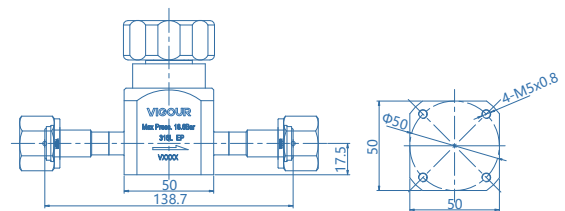
Max. Working Pressure:	270 psig (18.6bar)
Max. Working Temp.:	14°F ~ 104°F (-10°C ~ 40°C)
Surface finish:	10μin. Ra
Materials	
Body:	see ordering info
Diaphragm:	Elgiloy® (316L optional)
Seat packing:	PCTFE (PFA / VESPEL optional)
Handle:	AL
Internal Leakage Allowance:	1x10 ⁻⁹ mbar l/s He
External Leakage Allowance:	1x10 ⁻⁹ mbar l/s He
Flow capacity:	Cv=2.8
Weight:	approx. 1.45kg (depending on connections or options)



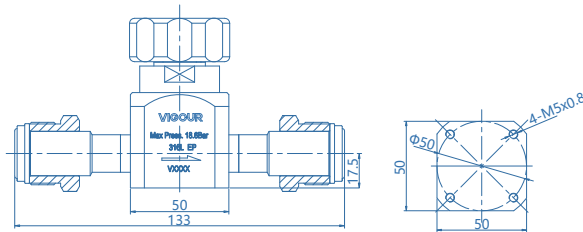
Dimensions (mm)



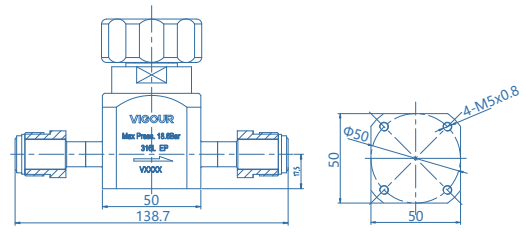
3/4 manual actuator (VFS female)



1/2 manual actuator (VFS female)



3/4 manual actuator (VFS male)



1/2 manual actuator (VFS male)

Ordering Information

VDV39UBS - M - MV8 - MV8 - PA

Materials

S: 316L
SLV: 316L secondary remelt

Actuator

M: manual actuator

Valve Seat Option

None: PCTFE (standard)
VS: VespeI®
PA: PFA

End Connection

FV12: 3/4" VFS (F)
MV12: 3/4" VFS (M)
TW12: 3/4" tube weld
FV8: 1/2" VFS (F)
MV8: 1/2" VFS (M)
TW8: 1/2" tube weld

* Other connection standard, consult factory

