

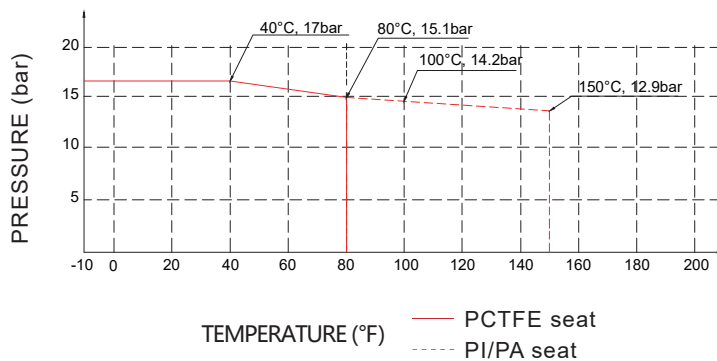
Product Feature

- 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 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



1/2" pneumatic actuator

Temperature / Pressure Rating



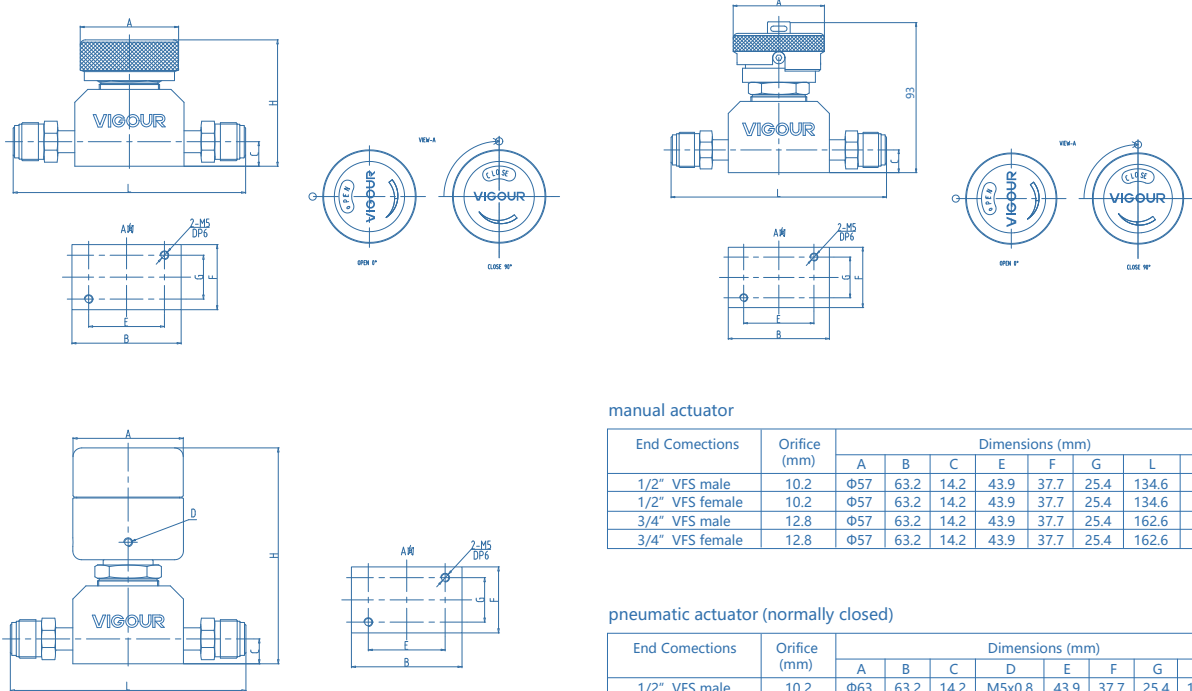
1/2" manual actuator

Technical Data

Operating Pressure:	250 psig (17bar)
Actuation Pressure:	80~100 psig (5.5~6.8bar)
Max. Working Temp.:	-40°F ~ 159°F (-40°C ~ 71°C)
Surface finish:	10μin. Ra
Materials	
Body:	see ordering info
Diaphragm:	Elgiloy®
Seat packing:	PCTFE
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. 1.36kg (depending on connections or options)



Dimensions (mm)



manual actuator

End Connections	Orifice (mm)	Dimensions (mm)							
		A	B	C	E	F	G	L	H
1/2" VFS male	10.2	Φ57	63.2	14.2	43.9	37.7	25.4	134.6	80
1/2" VFS female	10.2	Φ57	63.2	14.2	43.9	37.7	25.4	134.6	80
3/4" VFS male	12.8	Φ57	63.2	14.2	43.9	37.7	25.4	162.6	80
3/4" VFS female	12.8	Φ57	63.2	14.2	43.9	37.7	25.4	162.6	80

pneumatic actuator (normally closed)

End Connections	Orifice (mm)	Dimensions (mm)								
		A	B	C	D	E	F	G	L	H
1/2" VFS male	10.2	Φ63	63.2	14.2	M5x0.8	43.9	37.7	25.4	134.6	125
1/2" VFS female	10.2	Φ63	63.2	14.2	M5x0.8	43.9	37.7	25.4	134.6	125
3/4" VFS male	12.8	Φ63	63.2	14.2	M5x0.8	43.9	37.7	25.4	162.6	125
3/4" VFS female	12.8	Φ63	63.2	14.2	M5x0.8	43.9	37.7	25.4	162.6	125

Ordering Information

VDV37UBS - M - MV8 - MV8 - VS - LO

Materials

S: 316L

SLV: 316L secondary remelt

Actuator

M: manual actuator

PC: pneumatic actuator (normally closed)

End Connection

FV8: 1/2" VFS Female

MV8: 1/2" VFS male

FV12: 3/4" VFS Female

MV12: 3/4" VFS male

* Other connection standard, consult factory

Optional

None: Round Knob

LO: Round Knob

Pull, then turn to open

lock out / tag out

Valve Seat Option

None: PCTFE (standard)

VS: Vespel®

