

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
- 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

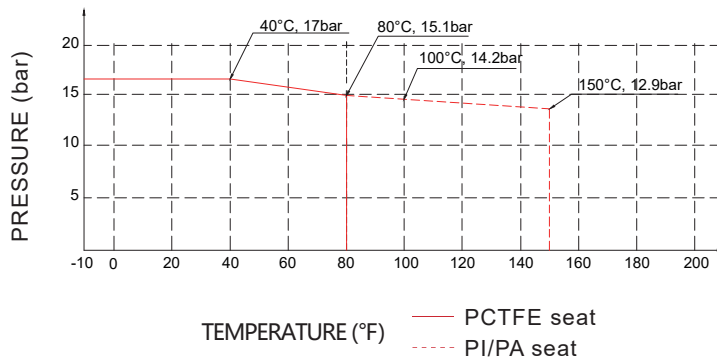


1/2" manual actuator



3/4" manual actuator (Lockable)

Temperature / Pressure Rating

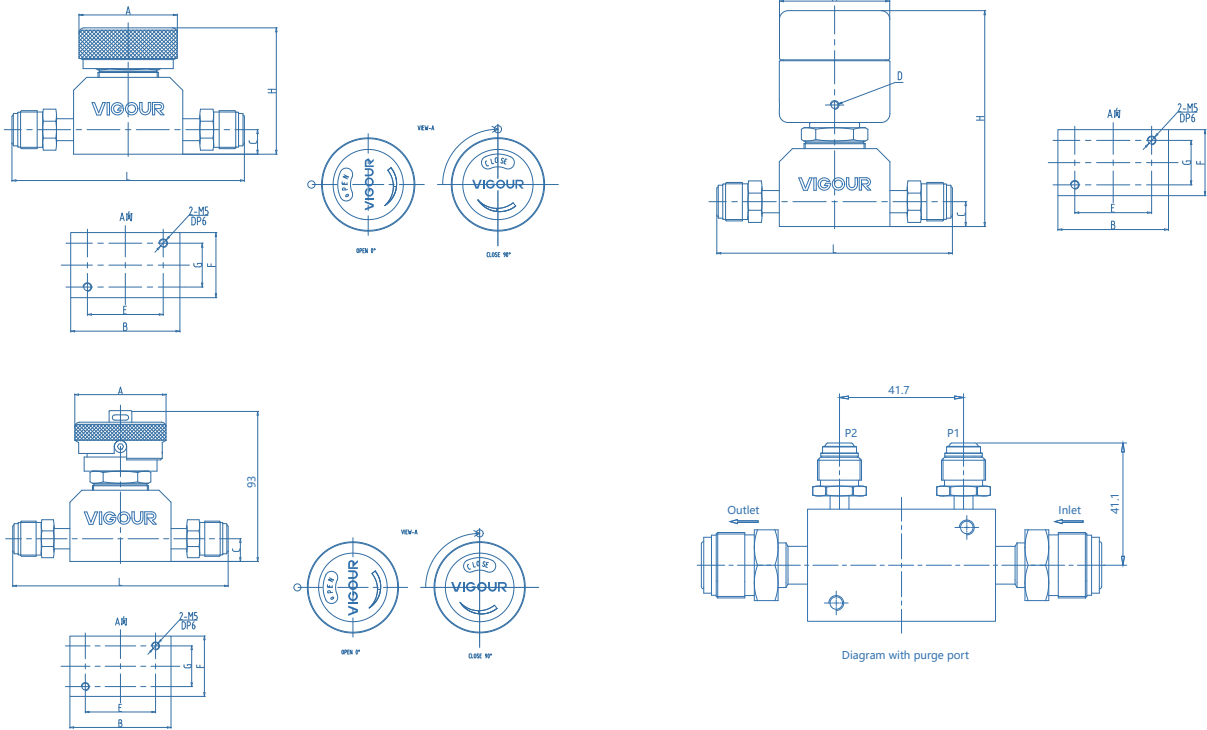


Technical Data

Max. Working Pressure:	Manual 300 psig (20bar) / Pneumatic 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
1/2" Tube Weld	10.2	Φ57	63.2	14.2	43.9	37.7	25.4	216.0	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
3/4" Tube Weld	12.8	Φ57	63.2	14.2	43.9	37.7	25.4	216.0	80
3/8" Tube Weld	10.2	Φ57	63.2	14.2	43.9	37.7	25.4	216.0	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
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3/4" VFS male	12.8	Φ63	63.2	14.2	M5x0.8	43.9	37.7	25.4	162.6	125
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3/8" Tube Weld	10.2	Φ63	63.2	14.2	M5x0.8	43.9	37.7	25.4	216.0	125

Ordering Information

VDV37UBS - M - MV8 - MV8 - P1 - P2 - VS - LO - IS - P

Materials

S: 316L

Actuator

M: manual actuator

PC: pneumatic actuator (normally closed)

End Connection

TW6: 3/8" Tube weld

FV8: 1/2" VFS female

MV8: 1/2" VFS male

TW8: 1/2" Tube weld

FV12: 3/4" VFS female

MV12: 3/4" VFS male

TW12: 3/4" Tube weld

* Other connection standard, consult factory

Inlet Purge Connection

None: No inlet purge

P1: 1/4" inlet purge

Outlet Purge Connection

None: No outlet purge

P2: 1/4" outlet purge

Process Specification

None: VS001B

P: VS001A

* For details, please refer to the appendix.

Optional

None: Standard

IS: Switch Position Indicator

Optional

None: Round Knob

LO: Round Knob

Pull, then turn to open

lock out / tag out

Valve Seat Option

None: PCTFE (standard)

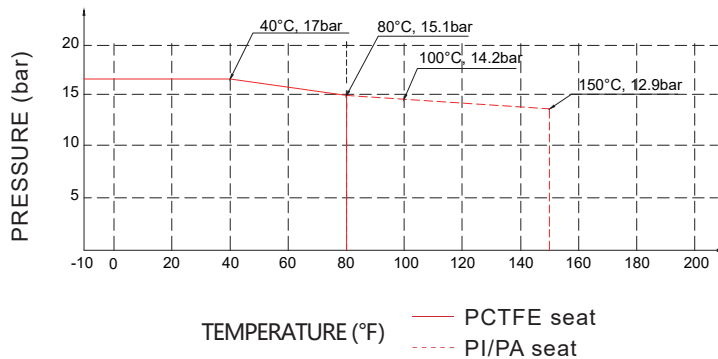
VS: Vespel®



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1/2" pneumatic actuator



1/2" manual actuator



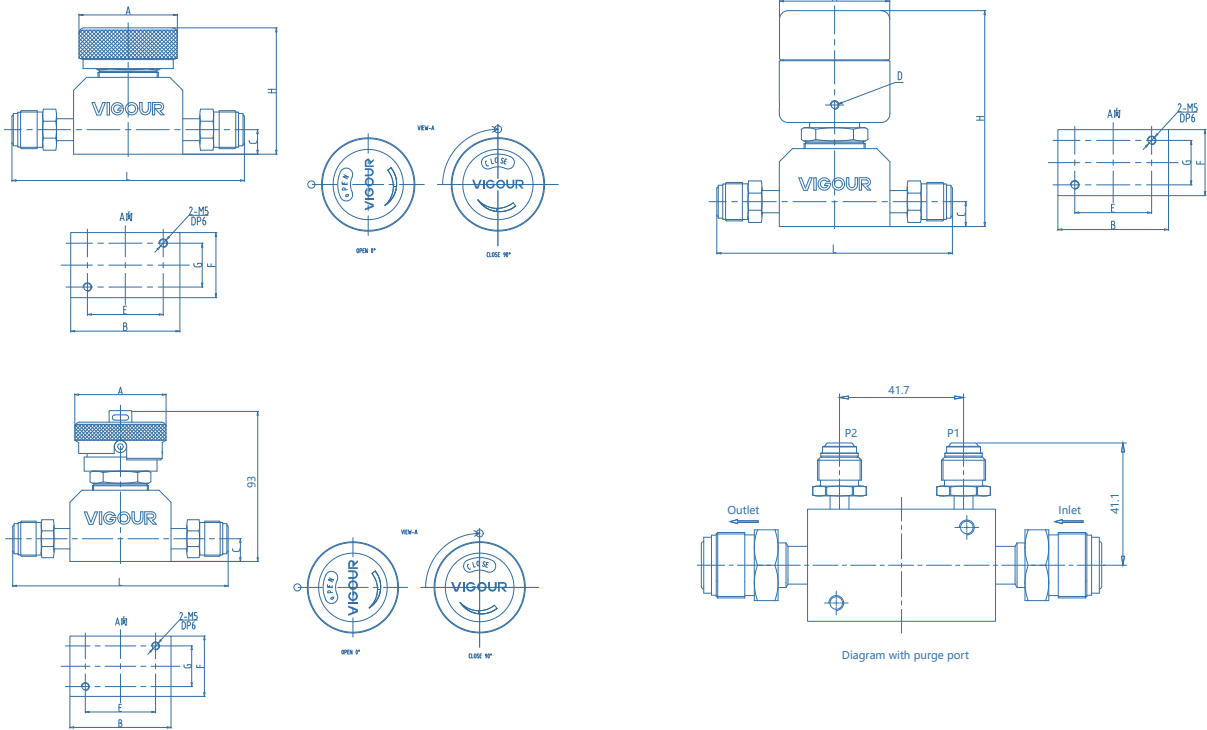
3/4" manual actuator (Lockable)

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Materials	
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Diaphragm:	Elgiloy®
Seat packing:	PCTFE
Handle:	AL
Internal Leakage Allowance:	1x10 ⁻⁹ mbar l/s He
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manual actuator

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pneumatic actuator (normally closed)

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Ordering Information

VDV37UCSLV - M - MV8 - MV8 - P1 - P2 - VS - LO - IS - P

Materials

SLV: 316L secondary remelt

Actuator

M: manual actuator

PC: pneumatic actuator (normally closed)

End Connection

TW6: 3/8" Tube weld

FV8: 1/2" VFS female

MV8: 1/2" VFS male

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P: VS001A

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