

Product Feature

- 316L stainless steel construction
- Tube welding and VFS fitting connection
- Easy to clean
- Excellent airtightness characteristics
- The product is fabricated in compliance with the VS001B process specification
- EP treatment is standard for all wetted surfaces
- The standard seat material is PCTFE, Vespel® (optional)
- All-metal seal to atmosphere



Manual Actuator 3/4~1"



Manual Actuator 1.5~2"



Pneumatic actuator 1.5~2"

parameter specification

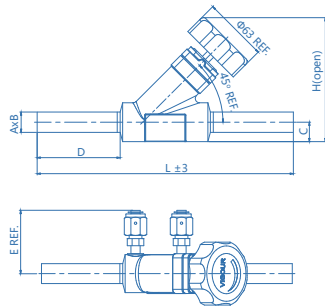
Connections	Size	Cv	Max Pressure
MV12	3/4"	14.5	Manual: 375psig (25.8bar) Pneumatic: 250psig (17.2bar)
FV12			
TW12			
MV16	1"	21	
FV16			
TW16			
TW24	1.5"	46	
TW32	2"	52	

Technical Data

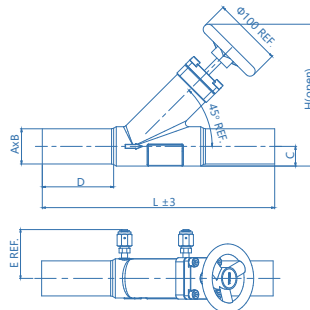
Manual Pressure:	Vacuum to 375 psig (25.8bar)
Pneumatic Pressure:	Vacuum to 250 psig (17.2 bar)
Driving force:	4.1~6.9 bar (3/4" or 1"), 6.2~6.9 bar (1.5" or 2")
Surface finish:	10µin. Ra
Working Temp:	-22°F ~ 180°F (-30°C ~ 82°C)
Materials	
Body:	316L
Bellows:	SUS316L / Hastelloy®
Seat packing:	PCTFE
Handle:	AL
Internal Leakage Allowance:	<1x10 ⁻⁹ mbar·l/s He
External Leakage Allowance:	<1x10 ⁻⁹ mbar·l/s He
Flow capacity:	See parameter specification



Dimensions (mm)



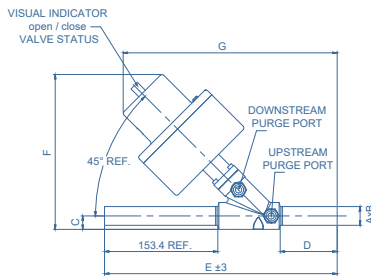
Manual Actuator 3/4~1"



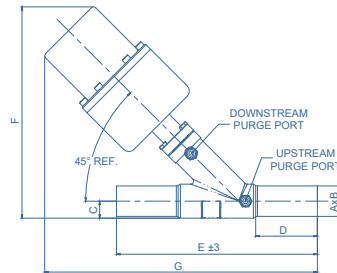
Manual Actuator 1.5~2"

Manual Actuator

Size	Dimensions (mm)						
	A	B	C	D	E	L	H
3/4"	Φ19.05	1.65	18.03	77.2	57	239	105.2
1"	Φ25.4	1.65	18.03	77.2	57	239	105.2
1.5"	Φ38.1	1.65	28.7	77.7	67	284.7	211.1
2"	Φ50.8	1.65	28.7	103	67	335.5	211.1



Pneumatic actuator 1"



Pneumatic actuator 2"

Pneumatic actuator (normally closed)

Size	Dimensions (mm)						
	A	B	C	D	E	F	G
3/4"	Φ19.05	1.65	18.2	77.2	315.2	209	290.0
1"	Φ25.4	1.65	18.2	77.2	315.2	209	290.0
1.5"	Φ38.1	1.65	28.4	77.7	284.7	352.8	455.0
2"	Φ50.8	1.65	28.4	103.0	335.5	352.8	455.0

Ordering Information

VUBV2 S - M - MV12 - MV12 - P1 - P2 - VS

Materials

S: 316L

Actuator

M: manual actuator

PC: pneumatic actuator, normally closed

End Connection

FV12: 3/4" VFS female

MV12: 3/4" VFS male

TW12: 3/4" tube weld

FV16: 1" VFS female

MV16: 1" VFS male

TW16: 1" tube weld

TW24: 1.5" tube weld

TW32: 2" tube weld

Valve Seat Option

None: PCTFE (standard)

VS: Vespel®

Outlet Purge Connection

None: No outlet purge

P2: 1/4" outlet purge

P2V: 1/4" outlet purge valve

Inlet Purge Connection

None: No inlet purge

P1: 1/4" inlet purge

P1V: 1/4" inlet purge valve

* Other connection standard, consult factory

