

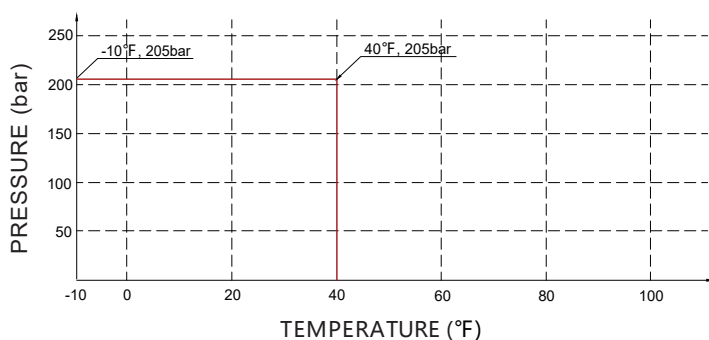
Diaphragm Valves

VDV33UA Series

Product Feature

- Suitable for high purity, flammable or toxic gases
- 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 VS001B process specification
- Valve open and closed position is easily visible at a glance
- Excellent gas displacement characteristics
- Standard seat material is PCTFE, Polyimide/PFA is option

Temperature / Pressure Rating



Technical Data

Max. Working Pressure:	3000 psig (200bar)
Pneumatic Operating Pressure:	58~87psig (4~6bar)
Max. Working Temp.:	14°F ~ 104°F (-10°C ~ 40°C)
Materials	
Body:	316L
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:	1/4"Cv=0.1 3/8"1/2"Cv=0.5
Weight:	approx. 0.27kg (depending on connections or options)



1/4 Type



1/4 Type



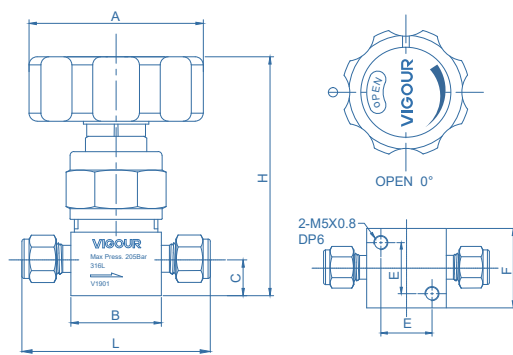
1/2 Type



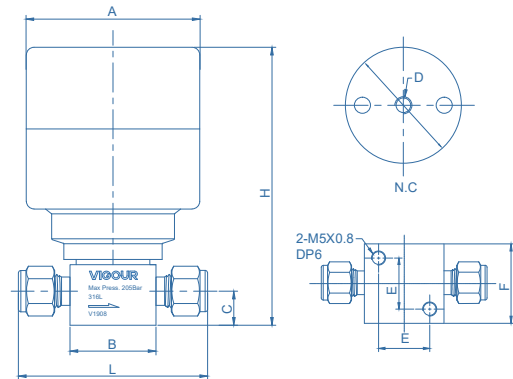
1/2 Type

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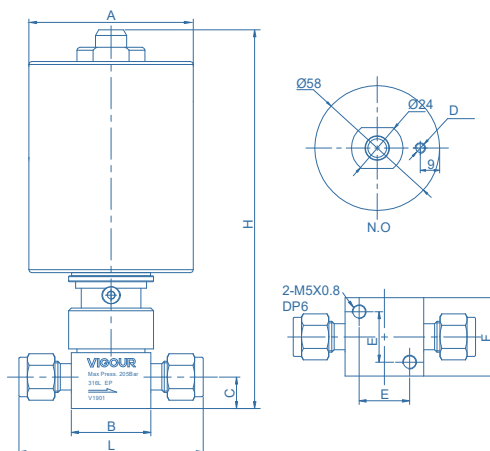
Dimensions (mm)



1/4, 3/8, 1/2 manual actuator



1/4, 3/8, 1/2 pneumatic actuator (N.C)



1/4 pneumatic actuator (N.O)

manual actuator

End Conections	Orifice (mm)	Dimensions (mm)						
		A	B	C	E	F	L	H
1/4" Tube Fitting	4.4	Φ54	28	11.1	18	28	65	74
3/8" Tube Fitting	7	Φ54	42	18.2	27	38	84.8	86
1/2" Tube Fitting	7	Φ54	42	18.2	27	38	89.6	86

pneumatic actuator, normally opened / normally closed

End Conections	Actuator	Orifice (mm)	Dimensions (mm)						
			A	B	C	D	E	F	H
1/4" Tube Fitting	N.C	4.4	Φ56.5	28	11.1	M5x0.8	18	28	90.5
1/4" Tube Fitting	N.O	4.4	Φ58	28	11.1	M5x0.8	18	28	65
3/8" Tube Fitting	N.C	7	Φ56.5	42	18.2	RC 1/8	27	38	84.8
1/2" Tube Fitting	N.C	7	Φ56.5	42	18.2	M5x0.8	27	38	89.6

1/4", 3/8", 1/2" tube fitting dimensions for reference, other conections please contact factory.

Ordering Information

VDV33UAS - M - 04 - 04 - PA

Materials

S: 316L

Actuator

M: manual actuator

PO: pneumatic actuator, normally opened *

PC: pneumatic actuator, normally closed

*Normally opened available with connetion size 1/4 thch.

Valve Seat Option

None: PCTFE (standard)

PA: PFA

VS: Vespel®

End Connection

F4: 1/4" NPT(F)

04: 1/4" tube fitting

06: 3/8" tube fitting

08: 1/2" tube fitting

* Other connection standard, consult factory