

■ DV13 SERIES DIAPHRAGM VALVES



■ Features

- Suitable for high purity applications
- NPT connection
- Internal spring-less design
- Metal-to-metal seal minimizes particle generation and ensures purity integrity in the flow passages
- Long service life
- 100% Helium leak tested

■ Materials

- Body: Brass, Plated Brass
- Seat: PCTFE
- Diaphragm: Elgiloy®

■ Specifications

- Cv: 0.17
- Leak Rate
 - Inboard: 1×10^{-9} atm cc/sec He
 - Across Seat: 4×10^{-9} atm cc/sec He
- Proof Pressure: 150% of maximum operating pressure
- Burst Pressure: 400% of maximum operating pressure

■ Operating Conditions

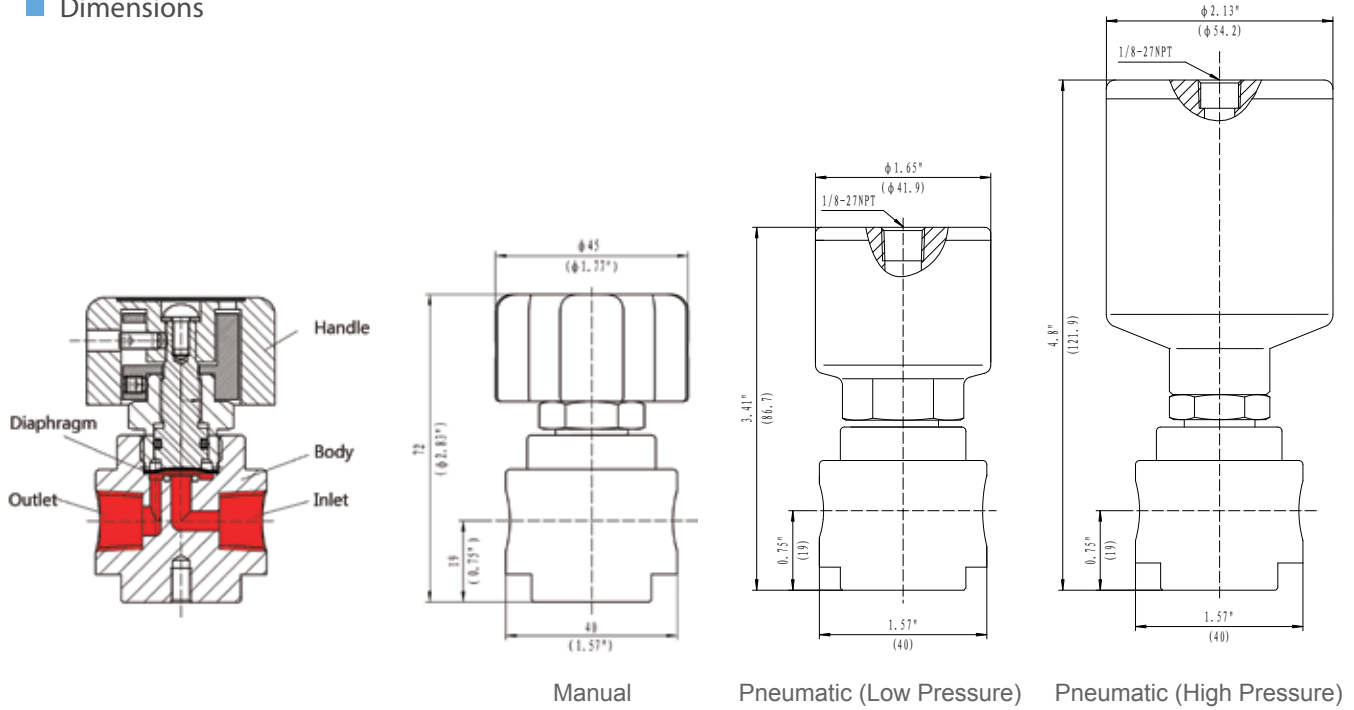
- Maximum operating pressure: 3500 psi (240 bar)
- Minimum operating pressure: Vacuum
- Operating temperature: 40°F ~ 150°F (-40°C ~ 65°C)

■ Pneumatic Actuator

- Operating pressure: 70-125 psi
- Inlet Connection: 1/8" NPT(F)
- Working Status: Normally closed

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Dimensions



Flow Path Designator

Type	Three-way			Four-way	
Flow schematic	B	C	D	I	J
Red arrow indicates inlet, Blue arrow indicates outlet*					
Flow schematic	E	F		K	L
Red arrow indicates inlet, Blue arrow indicates outlet*					

*All schematics are from top view

Ordering Information

BP - DV13	M	H	B	-	FNT4 - NO	
Body Material: B: Brass BP: Plated Brass	Model: DV13	Actuation: M: Manual P: Pneumatic actuator (Normally closed)	Working Pressure: H: 3500 psi L: 300 psi	Flow Path: Blank: In-line Type Three-way valve B: Right inlet, left / top outlet C: Right inlet, left / bottom outlet D: Right / top inlet, left outlet E: Right inlet, top / bottom outlet F: Top / bottom inlet, left outlet Please refer to Flow Path Designator table above	Inlet / Outlet: FNT4	Options: Blank: Standard NO: Normally open (Pneumatic, Low Pressure)