

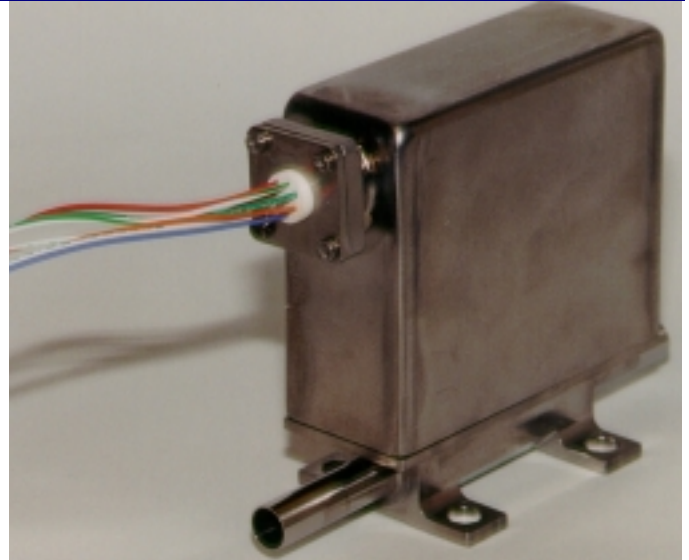


3/8" LOW PRESSURE PROPELLANT LATCH VALVE V1E10453-01

DESCRIPTION

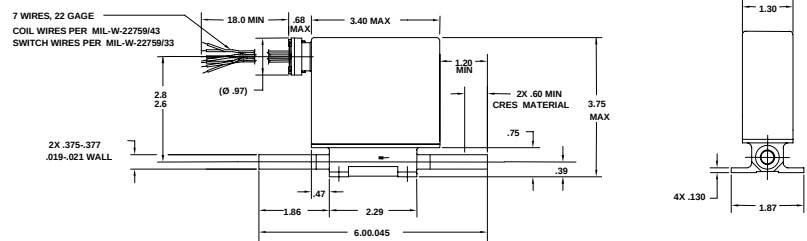
VACCO Industries maintains a product line of titanium latching valves designed to meet industry's demand for high reliability, tight leakage, and quick response capabilities.

The 3/8" low-pressure latch valve utilizes VACCO's proven torque tube technology. The all titanium construction helps maintain light weight while stainless steel systems are achieved through transition tubing. The valve is fully flight-qualified and holds extensive heritage.



FEATURES

- ⊕ 300 psi Operating Pressure
- ⊕ Flight Qualified
- ⊕ All Titanium Construction With 304L Stainless Steel Interface
- ⊕ Low Weight – 725g/1.60 lbm
- ⊕ Integral Microswitch
- ⊕ 150,000 Cycle Life
- ⊕ 40μ Absolute Inlet Filter



OPERATING PARAMETERS

Operating Pressure Range 300 psig
 Proof Pressure 750 psig
 Burst Pressure 1250 psig
 Flow 0.4 lbm/sec H₂O
 Pressure Drop 19 psid (at rated flow)
 Internal Leakage 10.0 scch GHe
 External Leakage <1 X 10⁻⁶ sccs GHe
 Weight 1.60 lbm (725 grams)

Operating Temperature +40° to 120° F
 Response Time:
 Opening 40 msec @ 20 VDC
 Closing 40 msec @ 20 VDC
 Back Pressure Relief 40 to 200 psid
 Inlet Filter Rating 40 microns absolute
 Operating Voltage 20 – 38.6 VDC
 Dielectric Strength 500 VAC RMS @ 60 Hz – 1 min

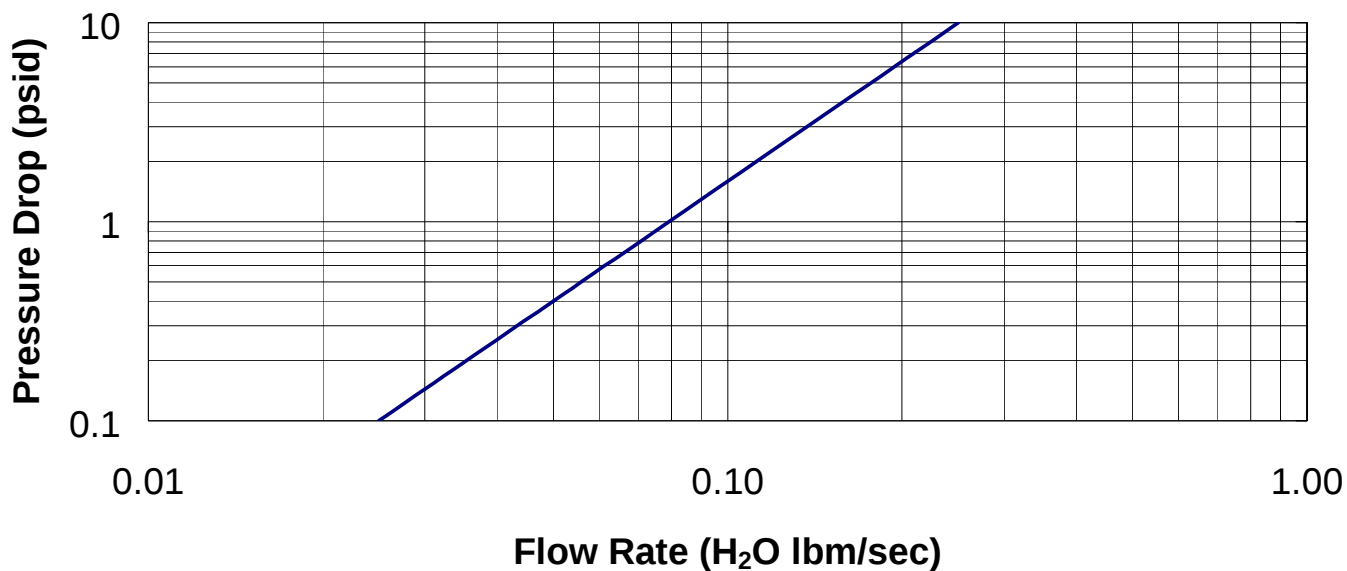
Performance characteristics are based upon customer requirements, as such, are not representative of component capabilities or limitations



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PERFORMANCE CHARACTERISTICS

Pressure Drop



ELECTRICAL SCHEMATIC

