

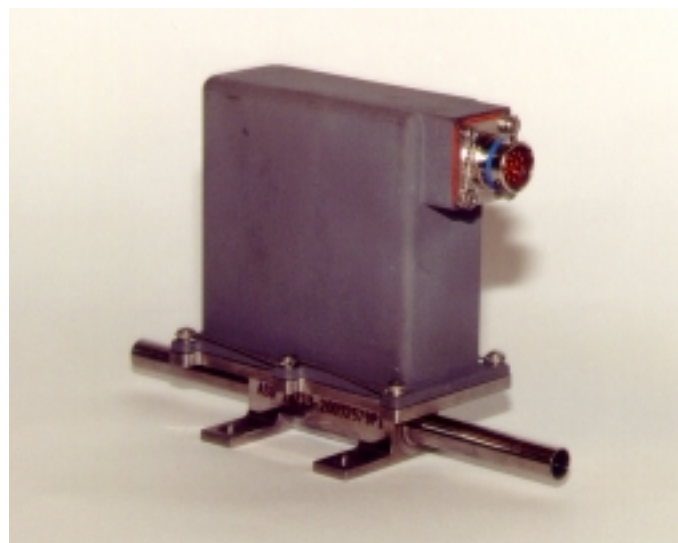


## 3/8" HIGH PRESSURE LATCH VALVE V1E10560-01

### DESCRIPTION

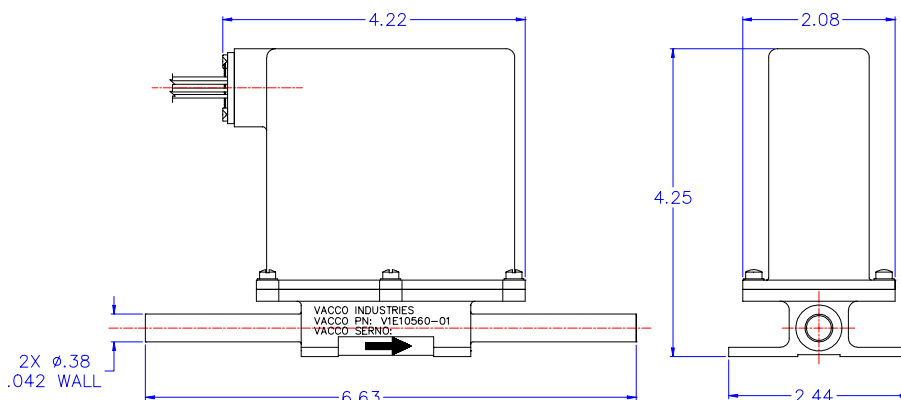
VACCO Industries maintains a product line of titanium latching valves designed to meet industry's demand for high reliability, tight leakage, and quick response capabilities.

The 3/8" high-pressure latch valve utilizes VACCO's proven torque tube technology. The all titanium construction helps maintain its weight while the dual coils are provided for redundancy. The valve is fully flight-qualified and holds extensive heritage.



### FEATURES

- ⊕ 4500 psia Operating Pressure
- ⊕ All Titanium Construction
- ⊕ Low Weight – 800g/1.76 lbm
- ⊕ Integral Microswitch
- ⊕ 3,000 Cycle Life



### OPERATING PARAMETERS

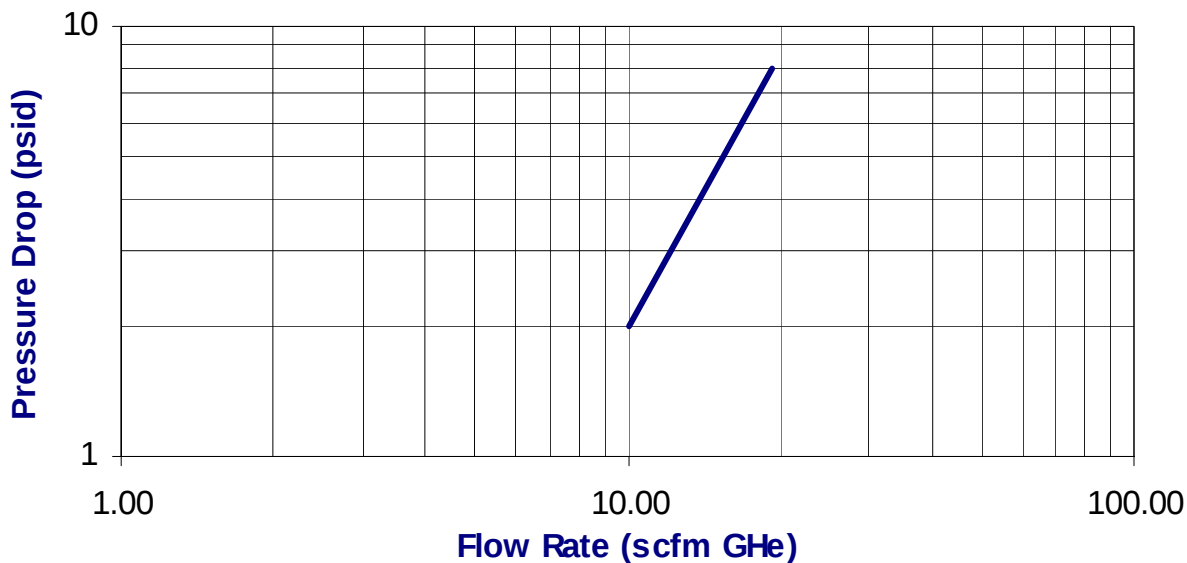
Operating Pressure Range ..... 4500 psia (310 bar)  
 Proof Pressure ..... 6750 psig (465 bar)  
 Burst Pressure ..... 12000 psig (828 bar)  
 Flow ..... 0.0099 lbm/sec of H<sub>2</sub>O  
 Pressure Drop ..... <14.5 psid (at rated flow)  
 Internal Leakage .....  $1 \times 10^{-3}$  sccs He  
 External Leakage .....  $<1 \times 10^{-6}$  sccs GHe  
 Weight ..... 1.76 lbm (800 grams)

Operating Temperature ..... -13° to +113° F  
 Response Time:  
     Opening ..... 50 msec @ 20 VDC  
     Closing ..... 50 msec @ 20 VDC  
 Back Pressure Relief ..... 800 to 1500 psid  
 Operating Voltage ..... 22 – 32 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*

**PERFORMANCE CHARACTERISTICS**

**Pressure Drop vs Flow Rate Test Results**



**ELECTRICAL SCHEMATIC**

