

V57200

2-Way Normally Closed and Normally Open High Flow Shut-Off Solenoid Valve



Valcor Engineering Corporation



DESCRIPTION

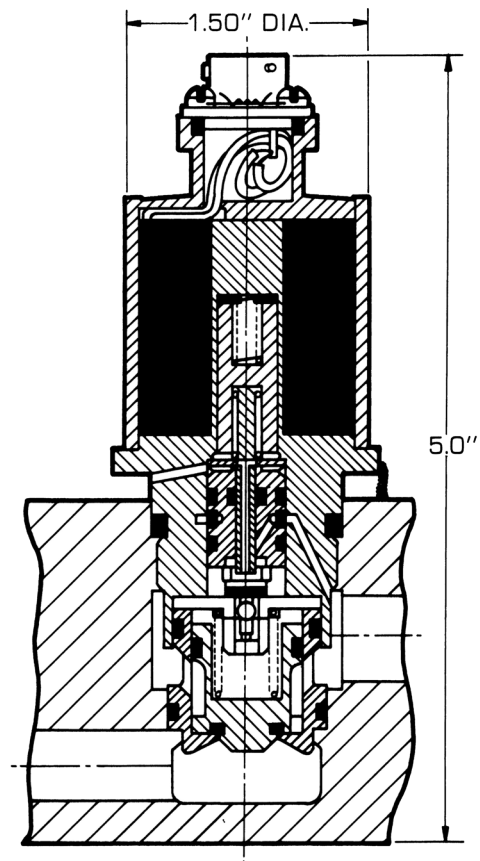
V57200 valves are pilot-operated solenoid shut-off valves. The piloted operation enables them to control higher flows with minimal current draw. They require a minimum upstream pressure to operate, and are well-suited for the extreme vibration, temperature, and cycle life requirements found in the most severe aircraft operating conditions. The cartridge-style plug-in design minimizes the weight and space required. The plug-in design eliminates external line connections and makes the valve easy to service without disturbing the system piping.

APPLICATION

V57200 valves are typically used for non-corrosive gases and liquids in aircraft and rotorcraft applications where size and weight limitations are critical.

FEATURES

- Maximum Operating Pressure: 50-3500 PSIG max.
- Proof Pressure: 6000 PSIG
- Burst Pressure: 7500 PSIG
- Flow Rate: Cv: 0.5 and 4.8; Cd=0.65
- Leak Rate: Internal is 5 sccm at 3000 PSIG. External is 0 cc/min at 3000 PSIG.
- Temperature: -40°F to +160°F (ambient), -40°F to +240°F (fluid)
- Current: 0.6 amps at 30 VDC at 70°F; 18-30 VDC continuous duty service
- Electrical Connection: 36" 22 AWG pigtails standard
- Wetted Materials: CRES 303, 430F, 302, Fluorosilicone
- 1/4" OD Line
- Weight: 0.5 Cv=1.5 lbs.; 4.8 Cv=1.9 lbs.
- MIL-STD-810 compliant
- Fully customizable for your application



◀ FLOW

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Operating Pressure & Flow Ranges

Equiv. Sharp Edged Orifice CD=0.65	Cv	Operating Pressure (PSIG)	Ambient Temp.	Min. Volts DC
0.15	0.5	50-3500	165°F	18
0.50	4.8	50-3500	165°F	18

Electrical Data

Voltage	18 to 30 VDC
Duty	Continuous
Current	0.6 amps at 30 VDC and at 70°F
Electrical Connector	Pigtail leads of MS3102R-10SL-4P

Leakage

External	0 cc/min at 3000 PSIG
Internal	5 scc/minute at 3000 PSIG

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