

# SV400 SERIES

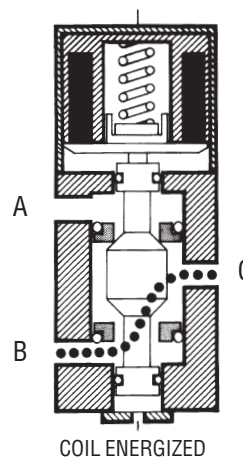
Vacuum to 6,000 PSIG

## 2 & 3 WAY LEAKPROOF SOLENOID VALVES FOR GAS OR FLUIDS

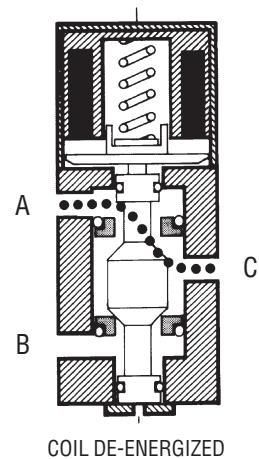
### Features

- Zero Leakage
- Bi-Directional Flow
- Versatile – 3-way 2-position, 2-way Normally Closed or 2-way Normally Open
- Balanced Poppet Design
- 303 Stainless Steel or Aluminum Construction
- Minimum Current Required
- Rapid Response
- Explosion Proof Per MIL-STD-810B
- Direct Acting, Continuous Duty Coil
- High Pressure – Vacuum to 6000 psig
- High Flow Capacity

### How It Works



**THE ENERGIZED POSITION**  
With electrical energy applied to the coil, the poppet is pulled up against the normally open seat of the valve. In this condition, flow is allowed in either direction through Port B and Port C with Port A isolated.



**THE DE-ENERGIZED POSITION**  
With the valve in a de-energized position, flow is allowed in either direction through Port A and C with Port B isolated.

### Technical Data

#### Materials of Construction

Body – 303 Stainless Steel or Aluminum  
Seat – Nylatron, Kel-F or Polyimide (Vespel)

#### Port Sizes and Connections

3/8" & 1/2" NPT or AND10050

#### Temperature Range

-65°F to +165°F; -54°C to +68°C  
Based on O-Ring Material, See Page 2

#### Pressure Ratings

SV430 – Vacuum to 3000 PSIG (0 to 207 BAR)  
SV460 – Vacuum to 6000 PSIG (0 to 414 BAR)

#### Flow Capacity

SV430 –  $C_v = .80$   
SV460 –  $C_v = .64$

