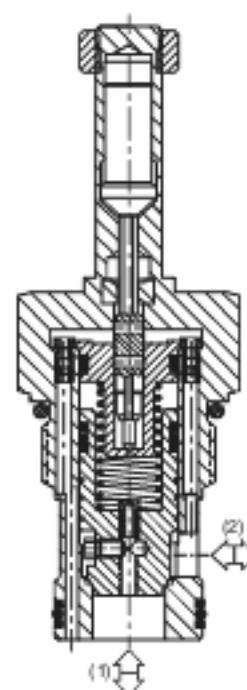
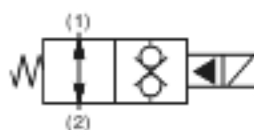


**CV**Check  
Valves**SH**Shuttle  
Valves**LM**Load/Motor  
Controls**FC**Flow  
Controls**PC**Pressure  
Controls**LE**Logic  
Elements**DC**Directional  
Controls**MV**Manual  
Valves**SV**Solenoid  
Valves**PV**Proportional  
Valves**CE**Coils &  
Electronics**BC**Bodies &  
Cavities**TD**Technical  
Data**General Description**

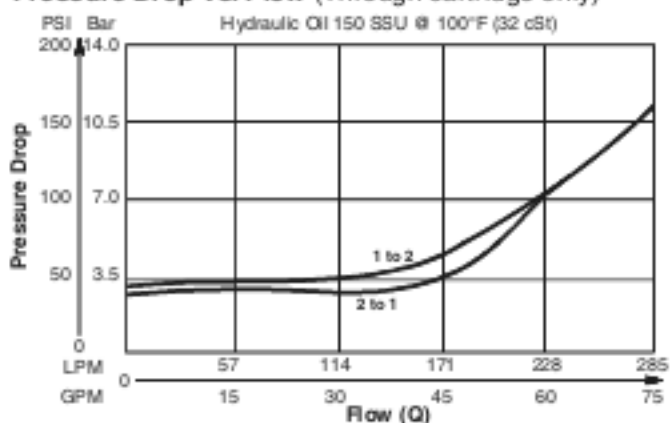
2-Way, 2 Position, Normally Open, Bi-Directional Poppet Valve. For additional information see Technical Tips on pages SV1-SV6.

**Features**

- Built-in thermal relief set at 36 Bar (500 PSI) above rated pressure
- One piece cartridge housing ensures internal concentricity
- Coil: Waterproof, hermetically sealed, requires no O-Rings; Coil is interchangeable with 02 and 04 series poppet valves; Symmetrical coil can be reversed without affecting performance.
- All external parts zinc plated

**Specifications**

|                                               |                                                                                                              |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Rated Flow<br/>(At 70 PSI ΔP)</b>          | 190 LPM (50 GPM)                                                                                             |
| <b>Maximum Inlet<br/>Pressure</b>             | <b>85</b> 210 Bar (3000 PSI)<br><b>86</b> 350 Bar (5000 PSI)                                                 |
| <b>Leakage at<br/>150 SSU (32 cSt)</b>        | 5 drops/min. (.33 cc/min.)                                                                                   |
| <b>Minimum<br/>Operating Voltage</b>          | 85% of rated voltage at<br>20°C (72°F).                                                                      |
| <b>Response Time</b>                          | See Performance Curves                                                                                       |
| <b>Cartridge Material</b>                     | All parts steel. All operating<br>parts hardened steel.                                                      |
| <b>Operating Temp.<br/>Range/Seals</b>        | -40°C to +93.3°C (Nitrile)<br>(-40°F to +200°F)<br>-31.7°C to +121.1°C (Fluorocarbon)<br>(-25°F to +250°F)   |
| <b>Fluid<br/>Compatibility/<br/>Viscosity</b> | Mineral-based or synthetic with<br>lubricating properties at viscosities<br>of 45 to 2000 SSU (6 to 420 cSt) |
| <b>Filtration</b>                             | ISO Code 16/13,<br>SAE Class 4 or better                                                                     |
| <b>Approx. Weight</b>                         | 0.4 kg (.88 lbs.)                                                                                            |
| <b>Cavity</b>                                 | C16-2<br>(See BC Section for more details)                                                                   |

**Performance Curves****Pressure Drop vs. Flow (Through cartridge only)****Response Time vs. Flow**