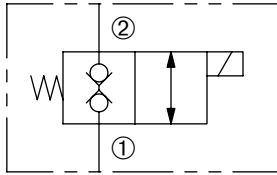


# DSV-080-2NCSP

Normally-Closed, Two-Way, Two-Position,  
Bi-Directional Solenoid Valve



## SERIES 8



### DESCRIPTION

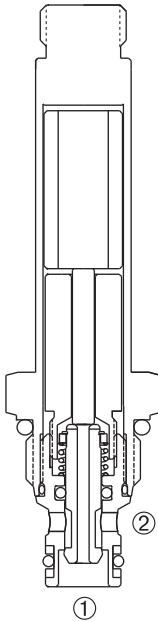
A cartridge valve designed with positive shut off, blocking in both directions, to be used in load holding applications.

### OPERATION

When de-energized, the DSV-080-2NCSP blocks flow in both directions.

When energized, the poppet shifts to allow flow in either direction.

**Operation of Manual Override Option:** To override, push button in to activate. To return to normal valve function, release button.



### FEATURES and BENEFITS

- Continuous-duty solenoid.
- Hardened poppet and seat for long life and low leakage.
- Efficient wet-armature construction.
- Cartridges are voltage interchangeable.
- Optional coil voltages and terminations.
- Manual override option.
- Low leak valve available.
- Industry common cavity.
- Compact size.

### SPECIFICATIONS

**Operating Pressure:** 3000 PSI (207 Bar)

**Flow:** See PRESSURE DROP VS. FLOW graph.

**Internal Leakage:** 5 drops/min. max. at 3000 PSI (207 Bar)

Low leak available-

Less than 2 drops/min. max. at 3000 PSI (207 Bar)

**Temperature:** -30°F to +250°F (-35°C to +120°C)

**Coil Rating:** [Continuous from 85% to 110% of rated voltage.](#)

**Current Draw:** 12 VDC is 1.8 amps.

**Minimum Pull-In Voltage:** 85% of rated voltage at 3000 PSI (207 Bar)

**Response Time:** 80% of final change of state with 100% voltage supplied at 100% of nominal flow rating.

**Pull-In:** 12 VDC 41 m. sec. **Drop-Out:** 12 VDC 30 m. sec.

**Recommended Filtration:** Critical Application – ISO 17/15/13

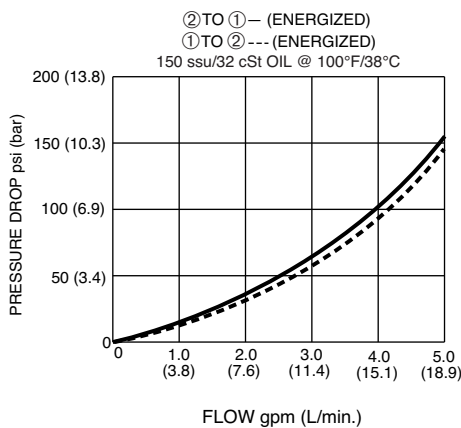
Non-Critical Application – ISO 20/18/14

**Fluids:** Mineral-based fluids. For other fluid compatibility, consult factory.

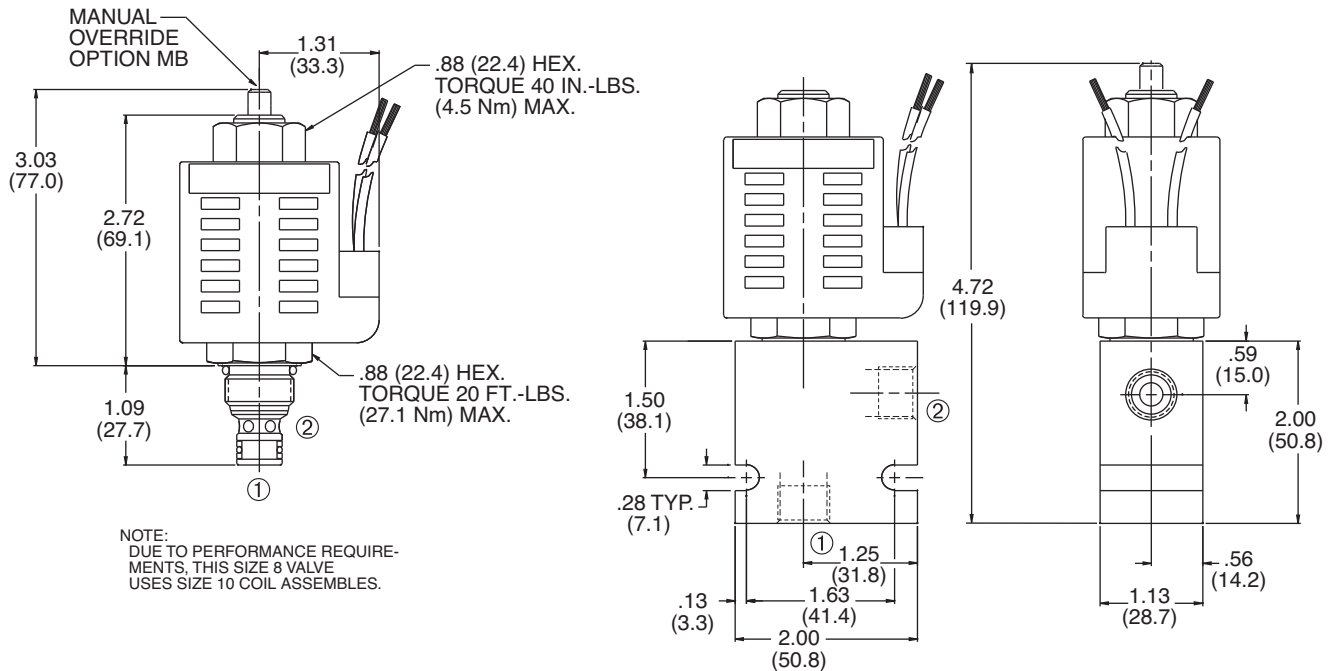
**Cavity/Cavity Tool:** [080-2, see page 11.08.2](#)

**In-Line Body Material:** Anodized 6061T6 aluminum alloy rated at 3000 PSI (207 Bar).

### PRESSURE DROP VS. FLOW

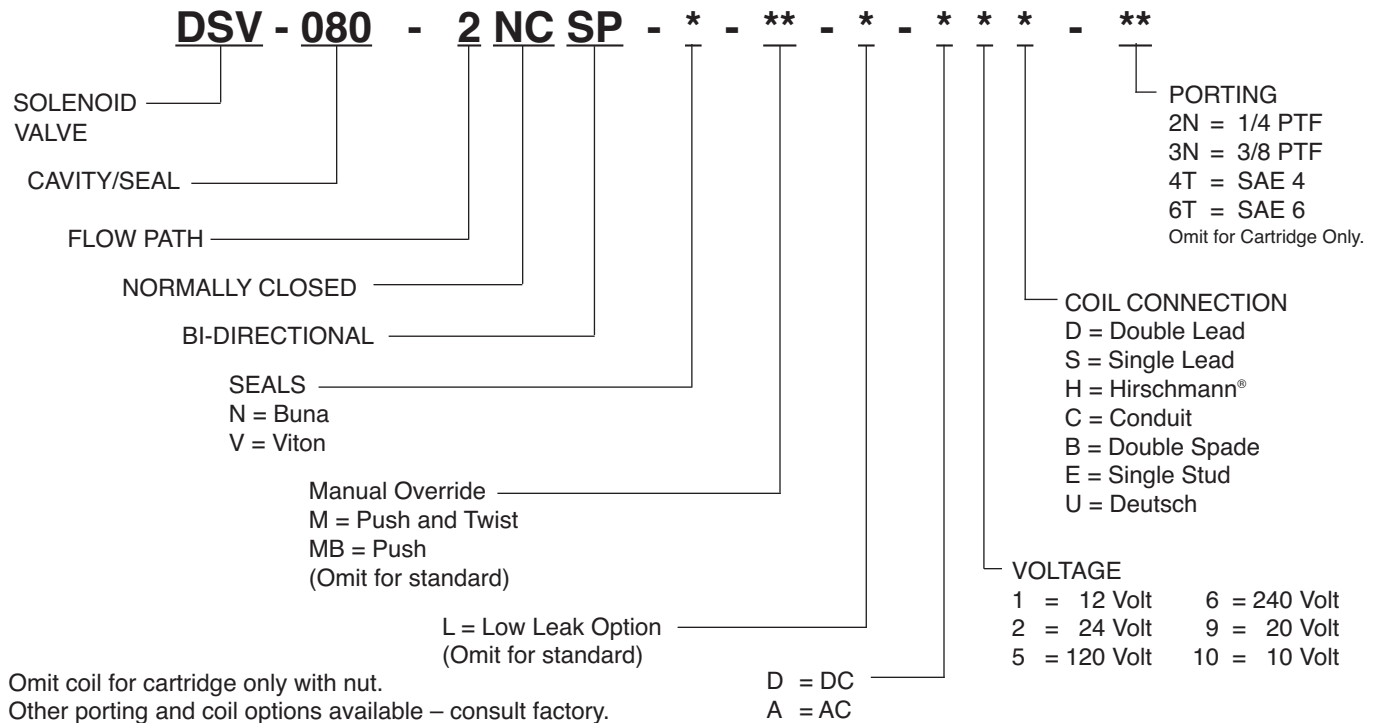


**INSTALLATION DIMENSIONS**



( ) Parentheses = Millimeters

**HOW TO ORDER**



SOLENOID  
CHECK  
MOTION CONTROL  
FLOW CONTROL  
RELIEF  
PRESSURE CONTROL  
SEQUENCE  
SHUTTLE  
DIRECTIONAL VALVES  
ACCESSORIES  
TECHNICAL DATA