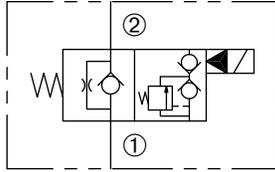


# DSV2-100-2NOP

Normally-Open, Two-Way, Two-Position,  
Poppet-Type Solenoid Valve



## SERIES 10



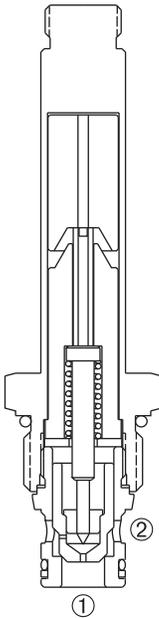
### DESCRIPTION

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

### OPERATION

When de-energized, the DSV2-100-2NOP poppet is open to allow flow from ② to ①.

When energized, the poppet closes to block flow from ② to ①. In this condition, the cartridge allows reverse flow from ① to ② after overcoming the solenoid force - 50 PSI (3 Bar).



### FEATURES and BENEFITS

- Continuous-duty solenoid.
- Hardened poppet and plunger for long life and low leakage.
- Efficient wet-armature construction.
- Cartridges are voltage interchangeable.
- Optional coil voltages and terminations.
- Filter screen standard.
- 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)

**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 25 m. sec. **Drop-Out:** 12 VDC 30 m. sec.

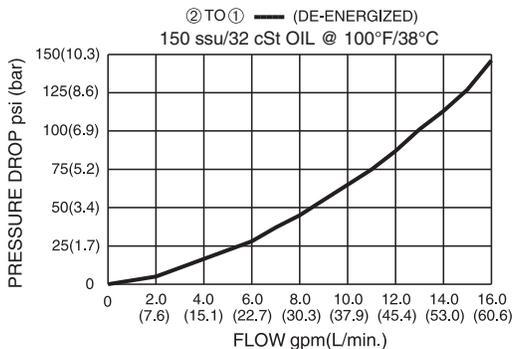
**Recommended Filtration:** Critical Application-ISO 17/15/13  
Non-Critical Application-ISO 20/18/14

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

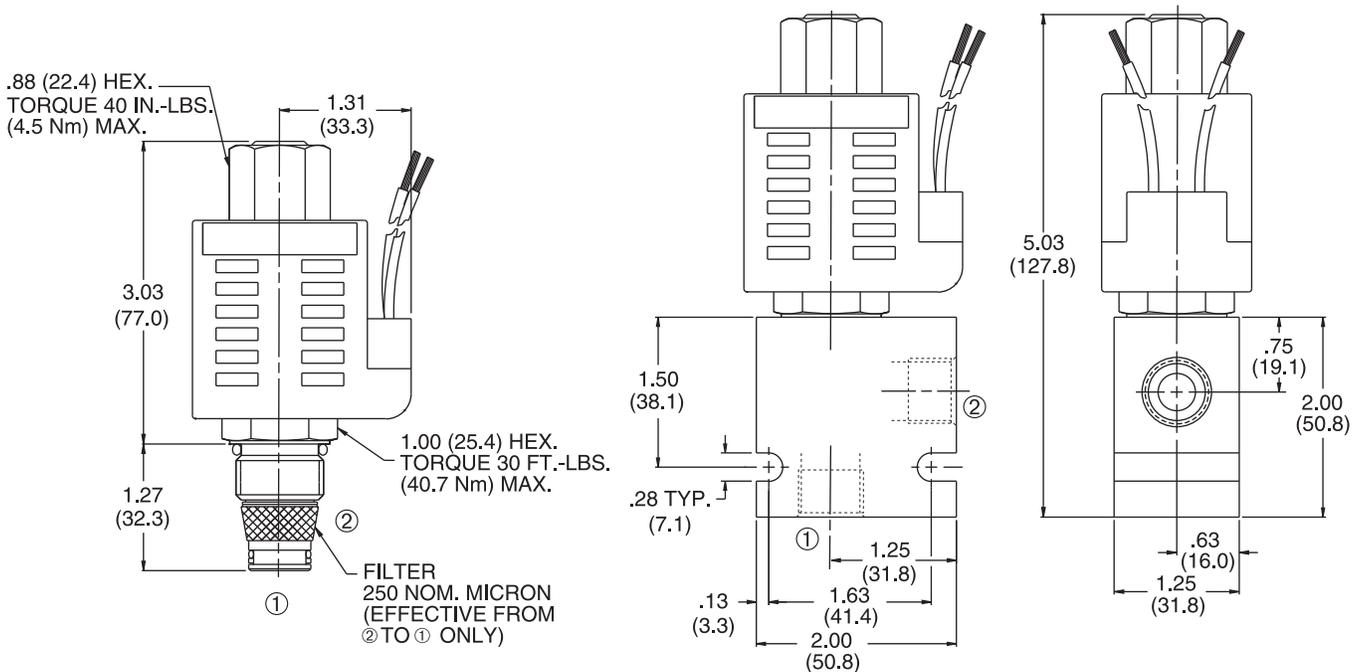
**Cavity/Cavity Tool:** 100-2, see page 11.10.2

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

### PRESSURE DROP VS. FLOW

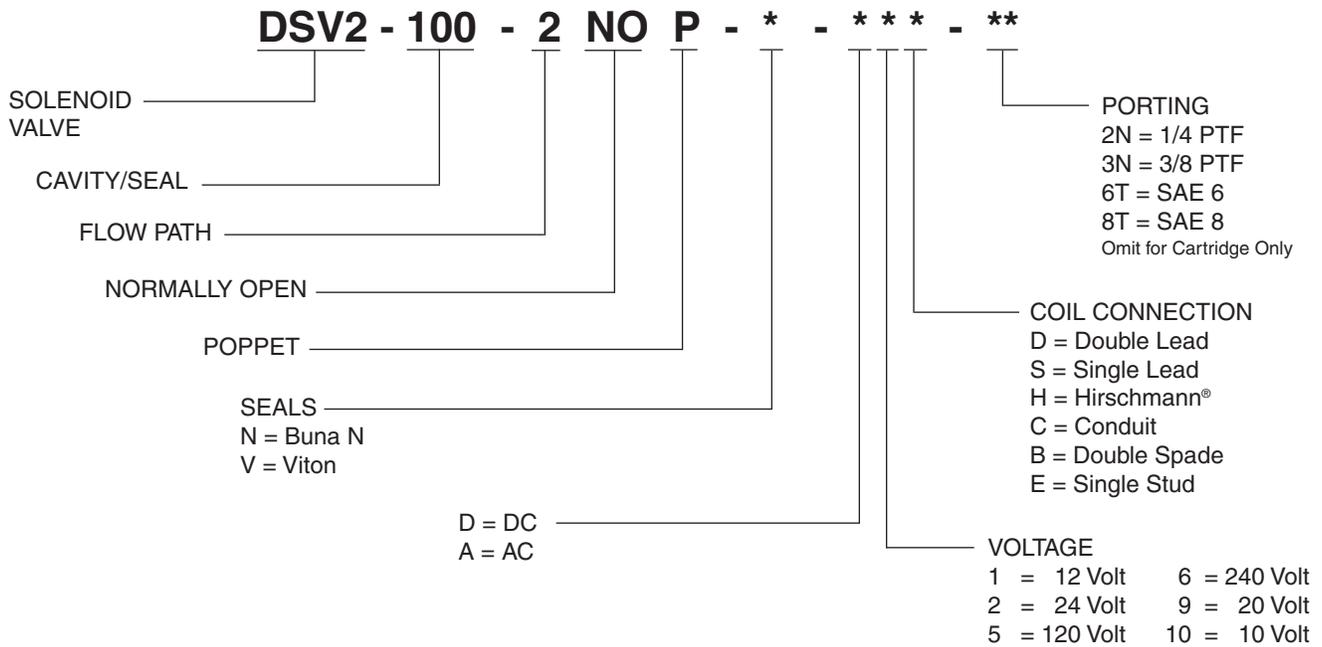


**INSTALLATION DIMENSIONS**



( ) Parentheses = Millimeters

**HOW TO ORDER**



Omit coil for cartridge only with nut.  
Other porting and coil options available – consult factory.