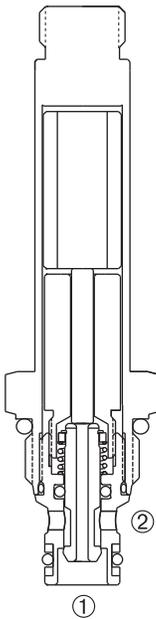
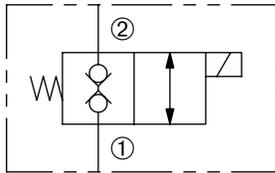


DSV-080-2NCSP

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.

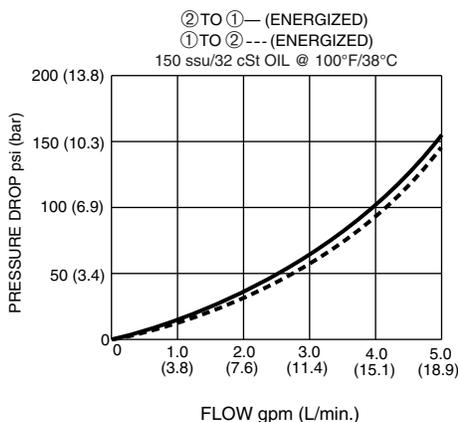
Recommended Filtration: Critical Application – ISO 17/15/13
Non-Critical Application – ISO 20/18/14

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

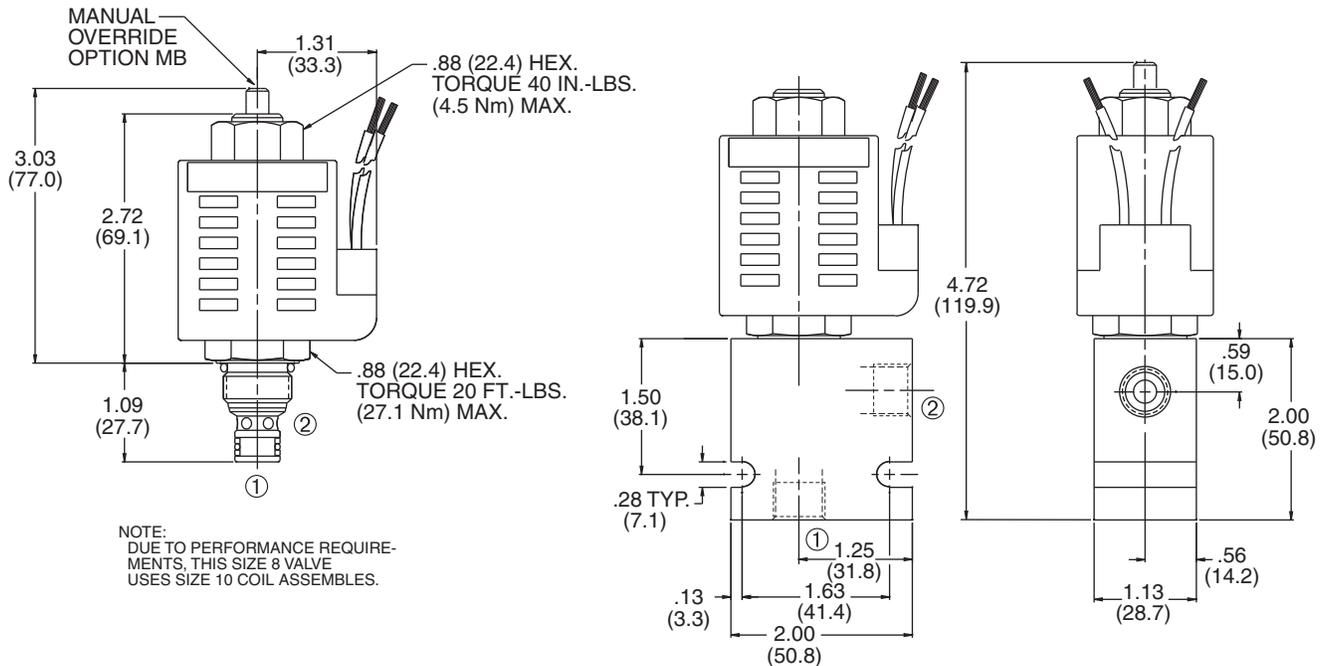
Cavity/Cavity Tool: 080-2, see page 11.08.2

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

PRESSURE DROP VS. FLOW

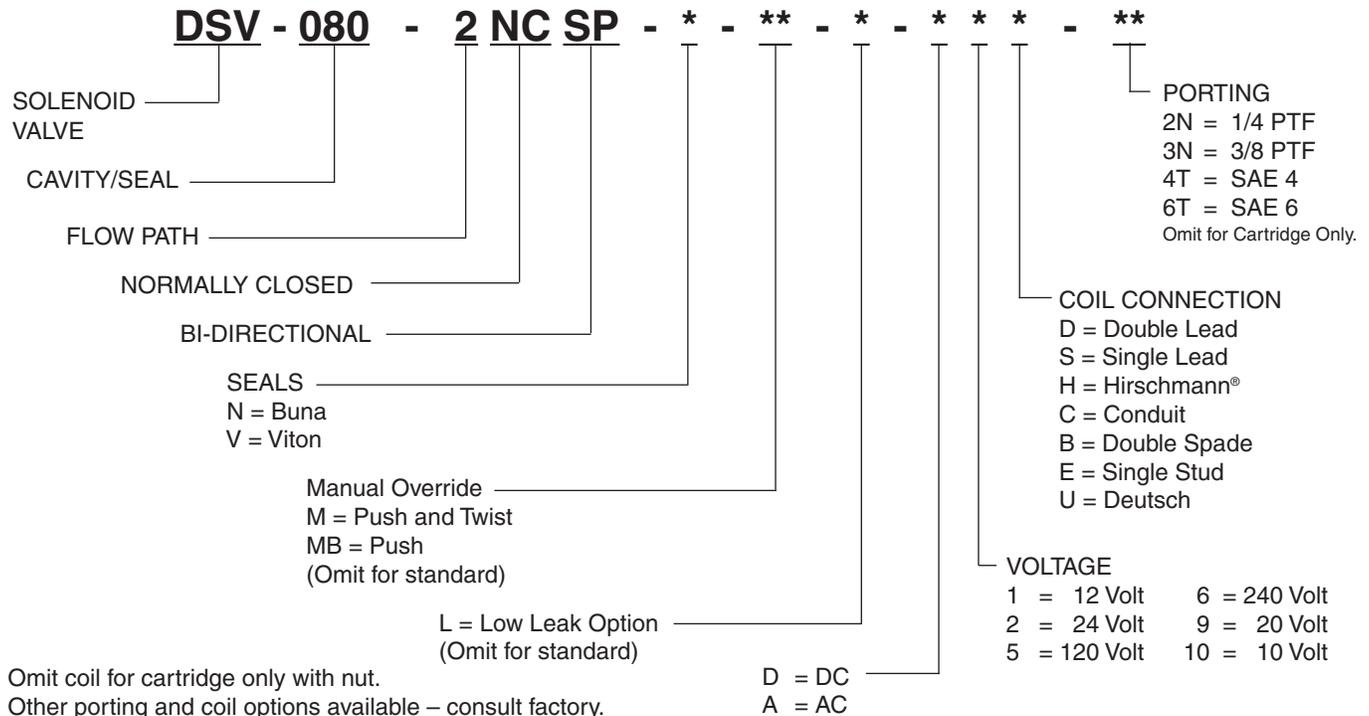


INSTALLATION DIMENSIONS



() Parentheses = Millimeters

HOW TO ORDER



Omit coil for cartridge only with nut.

Other porting and coil options available – consult factory.

SOLENOID

CHECK

MOTION CONTROL

FLOW CONTROL

RELIEF

PRESSURE CONTROL

SEQUENCE

SHUTTLE

DIRECTIONAL VALVES

ACCESSORIES

TECHNICAL DATA