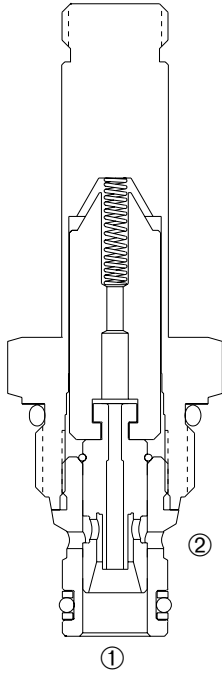


DSV2-080

Normally-Open, Two-Way, Two-Position, Spool-Type Cartridge Solenoid Valve



DESCRIPTION

A cartridge valve designed to operate as a bidirectional blocking valve.

OPERATION

When de-energized, the DSV2-080 allows flow in both directions.

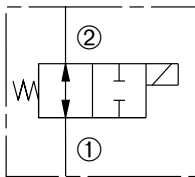
When energized, the cartridge's spool shifts to block flow in either direction.

Operation of Manual Override Option: To override, push button in, twist counterclockwise and release. In this position, valve will remain closed in a detented condition.

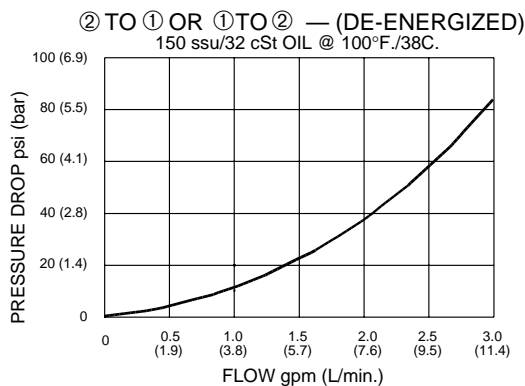
To return to normal operation, push button in, twist clockwise and release. Override will be detented in this position.

SYMBOL

USASI / ISO



PRESSURE DROP VS. FLOW



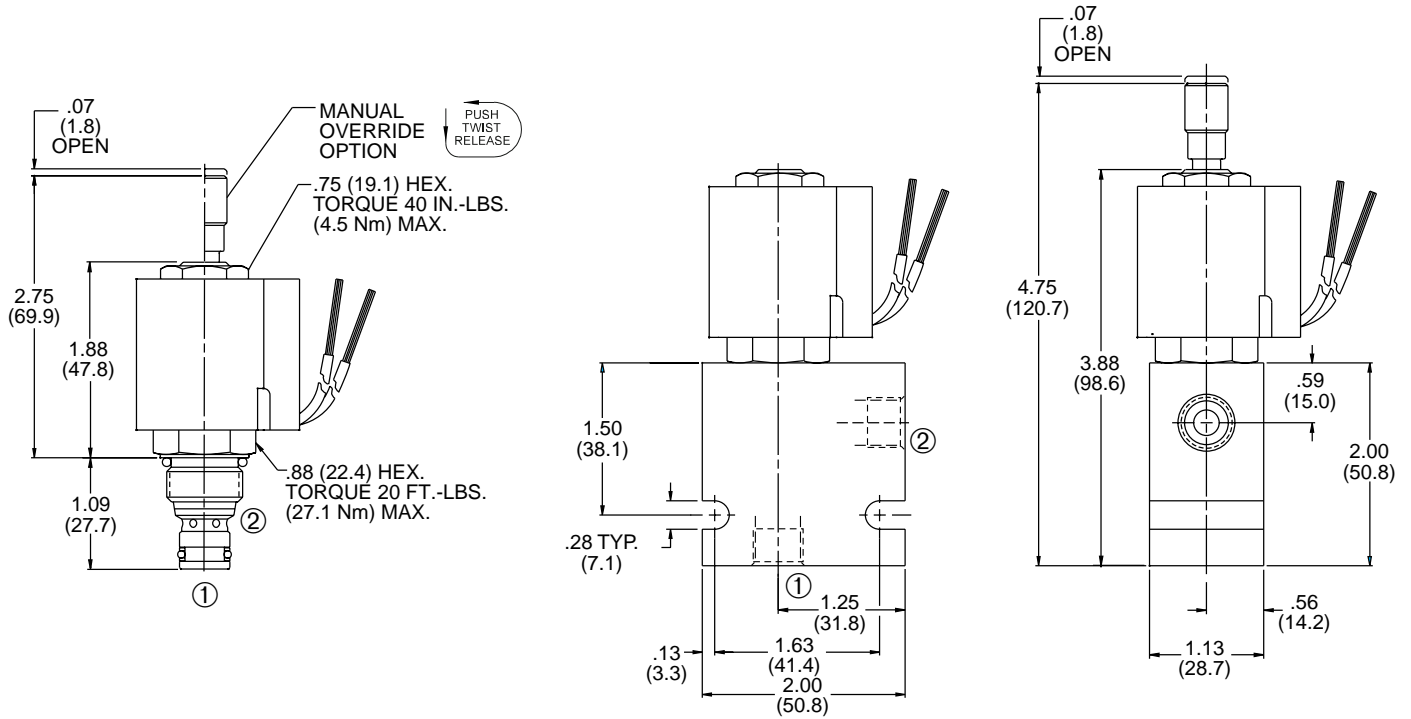
FEATURES and BENEFITS

- Both ports may be fully pressurized.
- Continuous-duty solenoid.
- Hardened precision spool and sleeve for long life.
- Efficient wet-armature construction.
- Cartridges are voltage interchangeable.
- Optional coil voltages and terminations.
- Manual override option.
- Industry common cavity.
- Compact size.

SPECIFICATIONS

- Operating Pressure:** 3000 PSI (207 Bar)
- Flow:** See PRESSURE DROP VS. FLOW graph.
- Internal Leakage:** 5 in.³/min. (82 cc/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 1.3 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 85 m. sec.
 - Drop-Out:** 12 VDC 95m. sec.
- Recommended Filtration:** ISO 16/12
- Fluids:** Mineral-based fluids.
 - For other fluid compatibility consult factory.
- Cavity:** 080-2, see page 0.20.
- Cavity Tool:** See page 0.20.
- Body Material:** Anodized 6061T6 aluminum alloy rated at 3000 PSI (207 Bar).

INSTALLATION DIMENSIONS



() Parentheses = Millimeters

HOW TO ORDER

