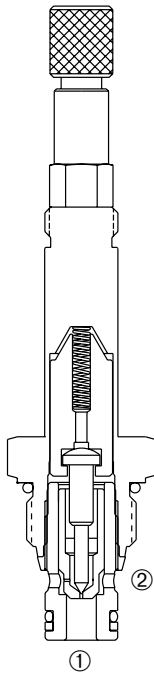


DSV-080

Normally-Closed, Two-Way, Two-Position, Pilot-Operated Cartridge Solenoid Valve



DESCRIPTION

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

OPERATION

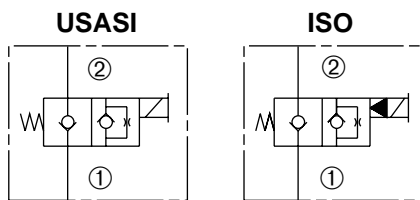
When de-energized, the DSV-080 acts as a check valve, allowing flow from ① to ②, while blocking flow from ② to ①.

When energized, the poppet lifts to open the ② to ① flow path.

Operation of Manual Override Option: To override, pull spring-loaded knob/adaptor on top of valve. Release to return to normal operation.

Note: Push, twist, and release (detented in both positions) option available. See page 1.01

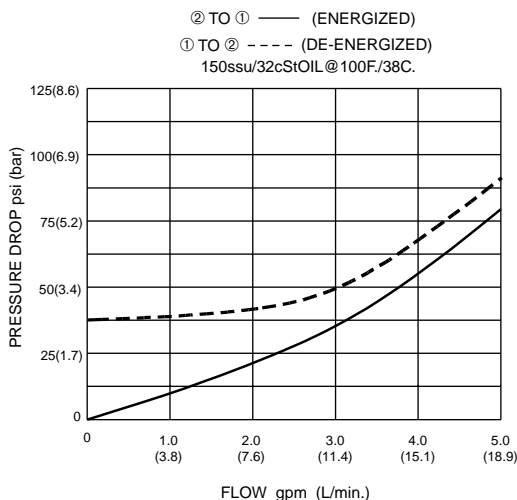
SYMBOLS



FEATURES and BENEFITS

- 4000 PSI rating.
- 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.

PRESSURE DROP VS. FLOW



SPECIFICATIONS

Operating Pressure: 4000 PSI (275 Bar)

Flow: See PRESSURE DROP VS. FLOW graph.

Internal Leakage: 5 drops/min. max. at 4000 PSI (275 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 4000 PSI (275 Bar)

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

Pull-In: 12 VDC 16 m. sec.

Drop-Out: 12 VDC 18 m. sec.

Recommended Filtration: Critical Application-ISO 16/12

Non-Critical Application-ISO 19/15

Fluids: Mineral-based fluids.

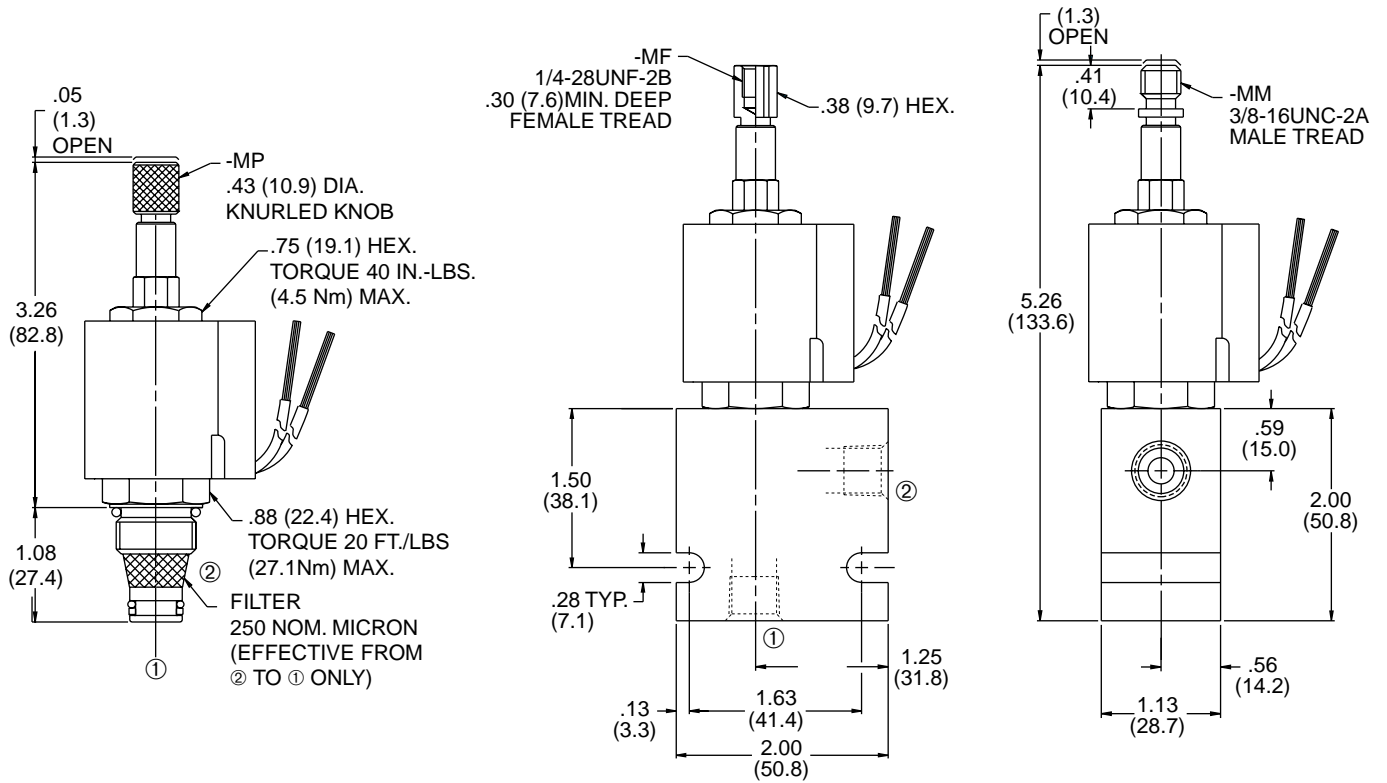
For other fluid compatibility consult factory.

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

