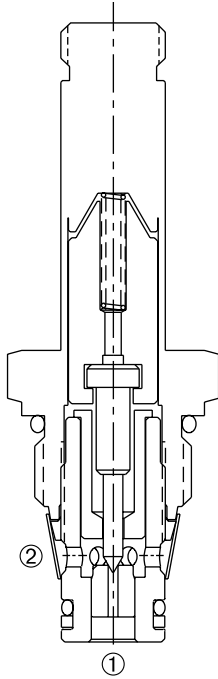


DSV-080

Normally-Closed, Two-Way, Two-Position, Direct Acting Type Cartridge Solenoid Valve



DESCRIPTION

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

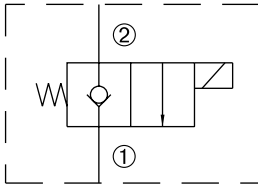
OPERATION

When de-energized, the DSV-080 blocks flow from ② to ①, while allowing flow from ① to ② when the pre-determined pressure is reached.

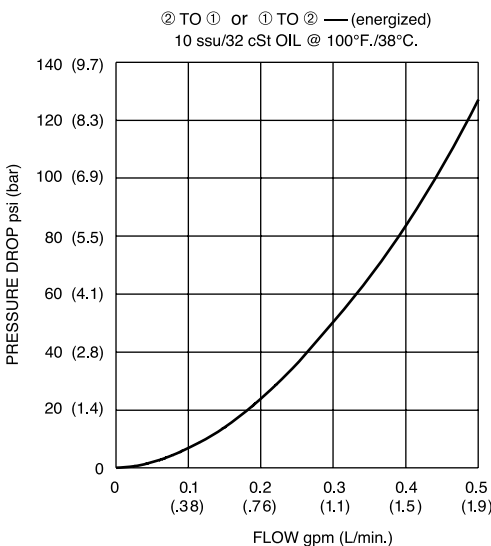
When energized, the dart lifts and allows flow between ① to ②.

SYMBOLS

USASI/ISO



PRESSURE DROP VS. FLOW



FEATURES and BENEFITS

- Continuous-duty solenoid.
- 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 1.7 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 100 m. sec.

Drop-Out: 12 VDC 180 m. sec.

Recommended Filtration: Critical Application-ISO 16/12

Non-Critical Application-ISO 19/15

Fluids: Mineral-based fluids.

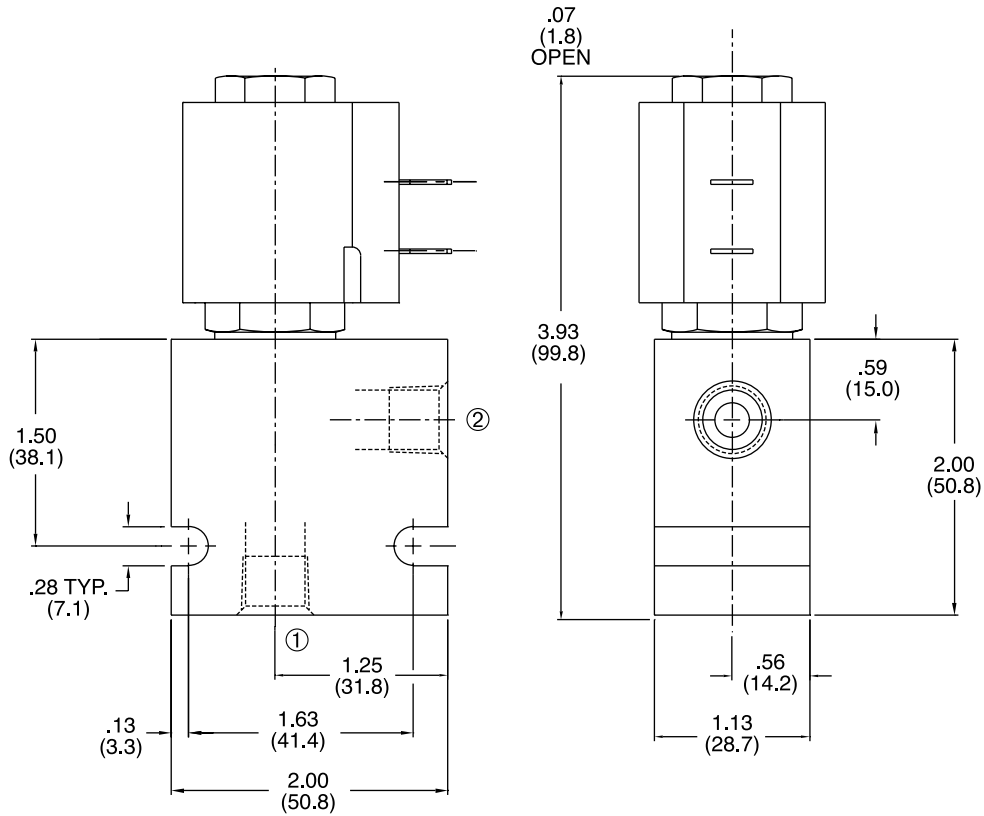
For other fluid compatibility consult factory.

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

