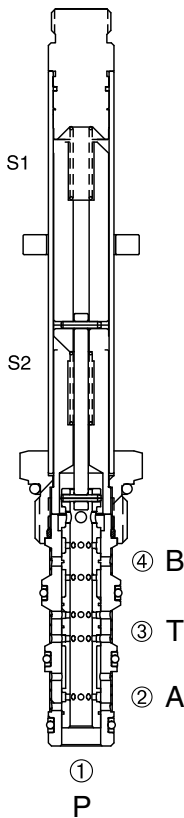
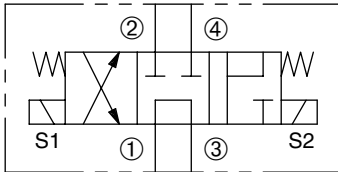


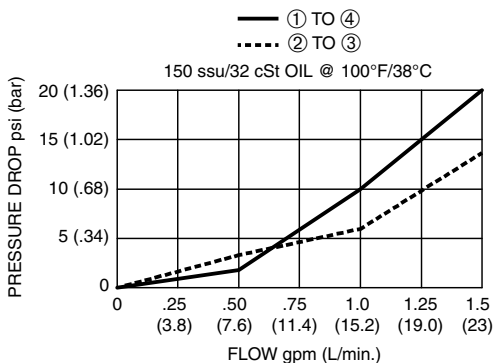
DSV-100-34TR

Four-Way, Three-Position, Regen
Spool-Type Solenoid Valve

SERIES 10



PRESSURE DROP VS. FLOW



DESCRIPTION

A cartridge valve designed as a three position, four-way solenoid valve with regen function.

OPERATION

When de-energized, the valve allows flow between the ① and ③ ports with ports ② and ④ blocked. When the upper solenoid (S1) is energized, the valve allows flow between the ① and ④ ports and the ② and ③ ports. When the lower solenoid (S2) is energized, the valve allows flow between the ① and ② and ④ ports with the ③ port blocked.

FEATURES and BENEFITS

- Continuous-duty solenoid.
- Hardened precision spool and sleeve for long life.
- Efficient wet-armature construction.
- Cartridges and voltage interchangeable.
- Optional coil voltages and termination.
- Industry common cavity.
- Compact size.

SPECIFICATIONS

Operating Pressure: 3000 PSI (207 Bar)

Max. Flow: 1.5 GPM (5.75 l/min)

Internal Leakage: 5 in³/min (82 cc/min) at 3000 PSI (207 Bar)

Coil Rating: [Continuous from 85% to 110% of rated voltage.](#)

Current Draw: 12 VDC is 1.3 amps

Temperature: -30°F to +250°F (-35°C to +120°C).

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 35 m.sec. **Drop-Out:** 12 VDC 20 m.sec.

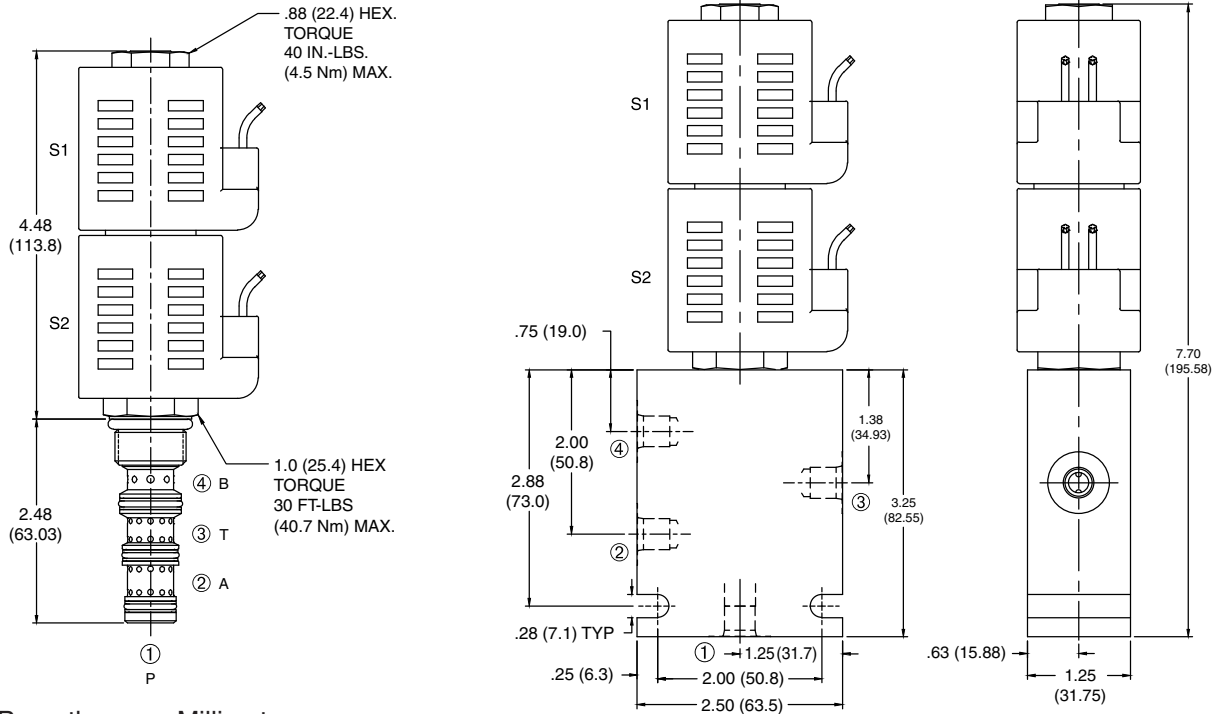
Recommended Filtration: ISO 17/15/13

Fluids: Mineral-based fluids.

Cavity/Cavity Tool: [100-4, see page 11.08.3](#)

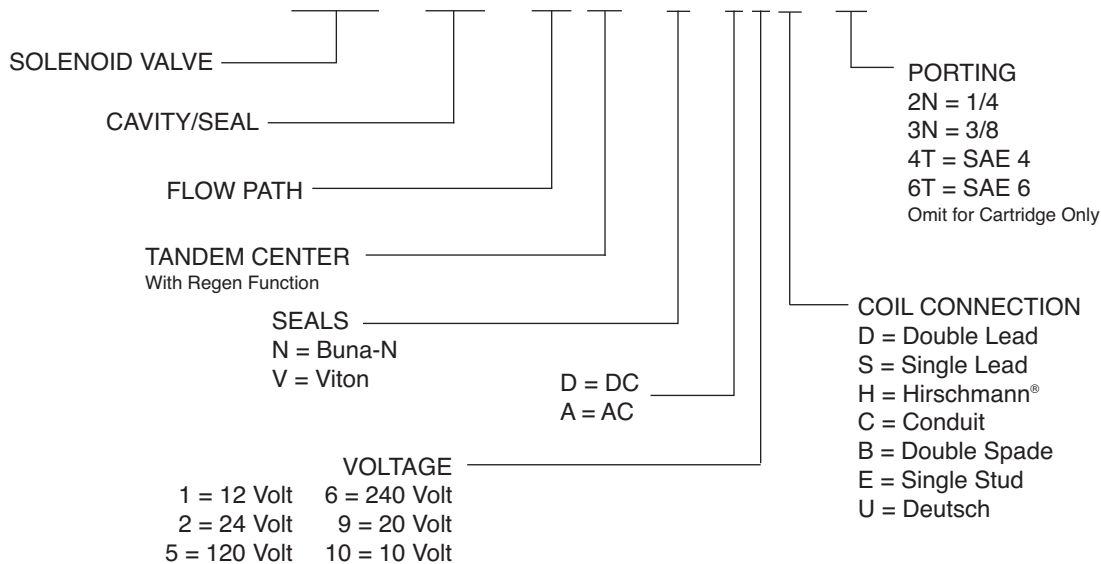
Body Material: Anodized 6061T6 aluminum alloy rated at 3000 PSI (207 Bar).

INSTALLATION DIMENSIONS



HOW TO ORDER

DSV - 100 - 34TR - * - * * * - **



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