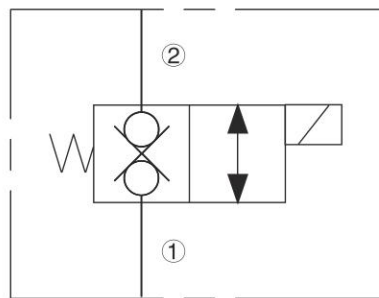
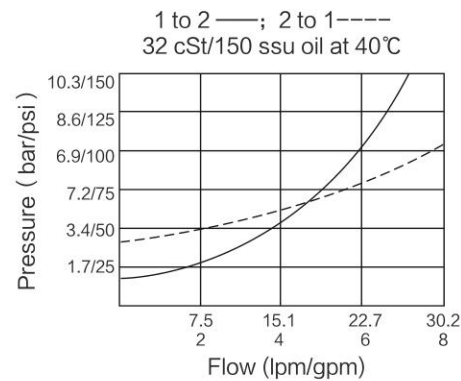


ISO SYMBOL



PERFORMANCE (Cartridge Only)



DESCRIPTION

A solenoid-operated, 2-way, normally closed, internally piloted, poppet-type, bi-directional blocking, screw-in hydraulic cartridge valve, designed for low leakage in load-holding applications.

OPERATION

When de-energized, the INSV08-D28 blocks flow in both directions. When energized, the valve's poppet opens on its seat, allowing flow from 2 to 1 or 1 to 2.

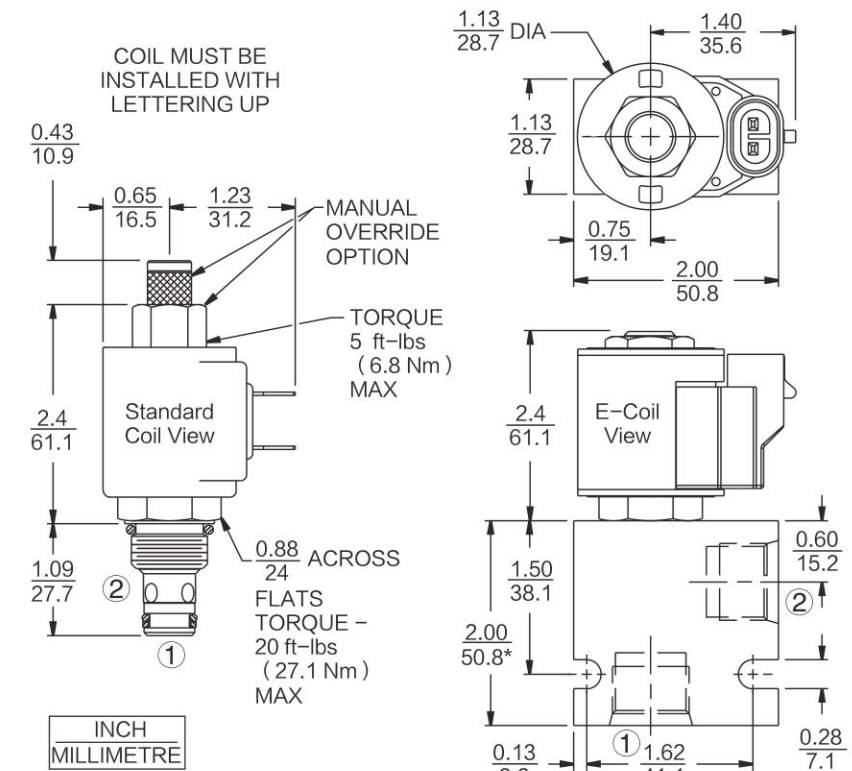
FEATURES

- Continuous-duty rated coil.
- Optional coil voltages and terminations.
- Cartridges are voltage interchangeable.
- Optional waterproof E-Coils rated up to IP69K.
- Hardened seat for long life and low leakage.
- Manual override option.
- Industry common cavity.

RATINGS

- Operating Pressure:** 207 bar (3000 psi)
- Flow:** 30.2 lpm (8 gpm)
- Internal Leakage:** 0.25 cc/minute (5 drops/minute) max. at 207bar (3000 psi)
- Temperature:** -40 to 120°C with standard Buna seals
- Coil Duty Rating:** Continuous from 85% to 115% of nominal voltage
- Response Time:** First indication of change of state with 100% voltage supplied at 80% of nominal flow rating: Energized: 40 msec.; De-energized: 32 msec.
- Initial Coil Current Draw at 20°C :** Standard Coil: 1.67 amps at 12 VDC; 0.18 amps at 115 VAC (full wave rectified).  
E-Coil: 1.7 amps at 12 VDC; 0.85 amps at 24 VDC
- Minimum Pull-in Voltage:** 85% of nominal at 207 bar (3000 psi)
- Fluids:** Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt (50 to 2000 sus)
- Installation:** No restrictions
- Cavity:** T08-2E; See bottom of this catalog.

DIMENSIONS



MATERIALS

- Cartridge: Weight:** 0.16 kg. (0.35 lbs.) Steel with hardened work surfaces. Zinc-plated exposed surfaces. Buna N O-rings and polyester elastomer back-up standard.
- Standard Ported Body: Weight:** 0.16 kg. (0.35 lbs.) Anodized high-strength 6061 T6 aluminum alloy, rated to 207 bar (3000 psi). Ductile iron bodies available; dimensions may differ.
- Standard Coil: Weight:** 0.27 kg. (0.60 lbs.) Unitized thermoplastic encapsulated, Class H high temperature magnetwire.
- E-Coil: Weight:** 0.41 kg. (0.9 lbs.) Fully encapsulated with rugged external metal shell. Rated up to IP69K with integral connectors.

TO ORDER

