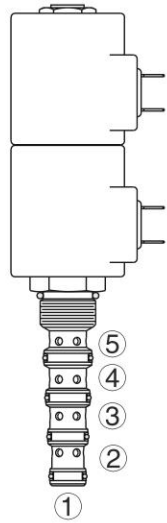
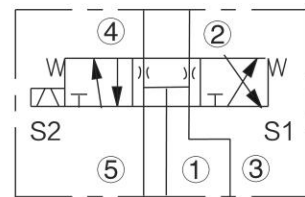


INSV10-5915 Spool, 5-Way, 3-Position

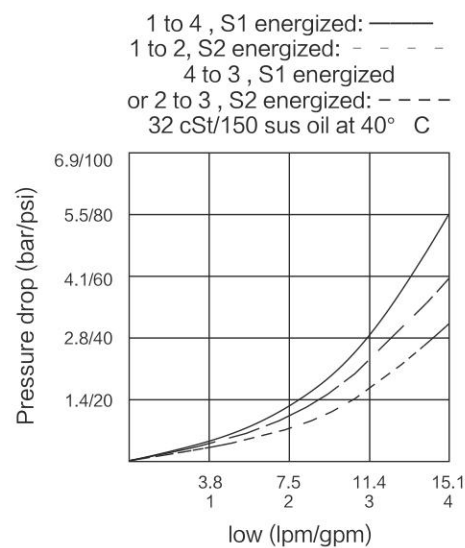
INSV10-5915



ISO SYMBOL



PERFORMANCE (Cartridge Only)



DESCRIPTION

A solenoid-operated, five-way, three-position, screw-in hydraulic cartridge valve with integral load-sense port.

OPERATION

When de-energized, the INSV10-5915 allows flow to all ports. When coil #1 is energized, flow is allowed from 2 to 3 and from 1 to 4. When coil #2 is energized, flow is allowed from 1 to 2, and from 4 to 3.

FEATURES

- Continuous-duty rated solenoid.
- Hardened precision spool and cage for long life.
- Optional coil voltages and terminations.
- Optional waterproof E-Coils rated up to IP69K.
- Optional manual override.
- Efficient wet-armature construction.
- Cartridges are voltage interchangeable.
- Unitized, molded coil design.

RATINGS

Operating Pressure: 247 bar (3625 psi) with standard Buna N seals

Flow: 20 lpm (4 gpm) max. See performance chart

Internal Leakage: 164 cc/minute (10 cu. in./minute) max. at 207 bar (3000 psi)

Temperature: -40 to 120° C with standard Buna seals

Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
 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: 1.6 amps at 12 VDC; 0.8 amps at 24 VDC

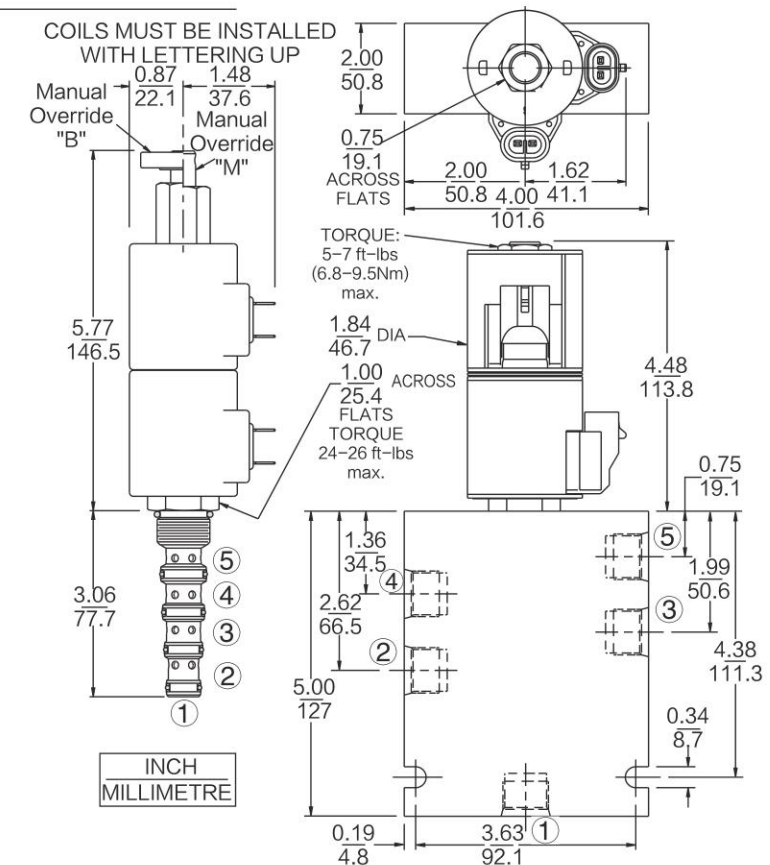
Minimum Pull-in Voltage: 85% of nominal at 207 bar (3000 psi)

Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt (50 to 2000 sus)

Installation: No restrictions

Cavity: T10-5A; See bottom of this catalog.

DIMENSIONS



MATERIALS

Cartridge: Weight: 0.36 kg. (0.80 lbs.); Steel with hardened work surfaces. Zinc-plated exposed surfaces; Buna N O-rings and back-ups standard.

Standard Ported Body: Weight: 0.41 kg. (0.85 lbs.); Anodized high-strength 6061 T6 aluminum alloy, rated to 207 bar (3000 psi); Ductile iron bodies available; dimensions may differ.

Standard Coil: Weight each: 0.27 kg. (0.60 lbs.); Unitized thermoplastic encapsulated, Class H high temperature magnetwire.

E-Coil: Weight: 0.41 kg. (0.9 lbs.); Perfect wound, fully encapsulated with rugged external metal shell; Rated up to IP69K with integral connectors.

TO ORDER

