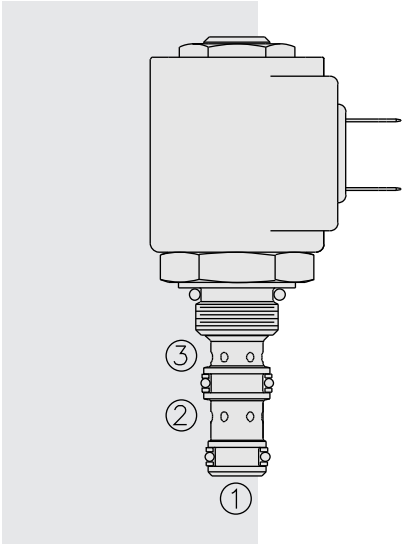


SV07-34 Spool, 3-Way



DESCRIPTION

A solenoid-operated, two-position, three-way, direct-acting, spool-type, screw-in hydraulic cartridge valve.

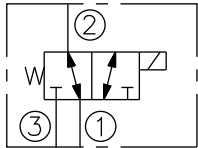
OPERATION

When de-energized, the **SV07-34** blocks flow at 3 while allowing flow between 2 and 1. When energized, the cartridge's spool shifts to allow flow between 2 and 3, while blocking 1.

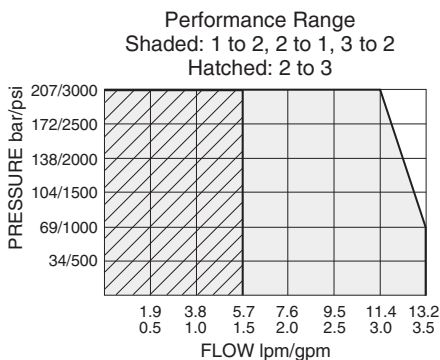
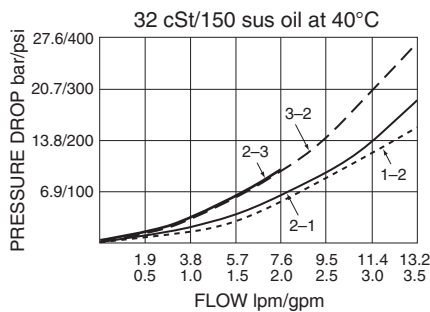
FEATURES

- Continuous-duty rated solenoid.
- Hardened precision spool and cage for long life.
- Optional coil voltages and terminations.
- Efficient wet-armature construction.
- Cartridges are voltage interchangeable.
- All ports may be fully pressurized.
- Optional waterproof E-Coils rated up to IP69K.
- Unitized molded coil design.
- Compact size.

ISO SYMBOL



PERFORMANCE (Cartridge Only)



RATINGS

Operating Pressure: 207 bar (3000 psi)

Flow: See Performance Chart

Internal Leakage: 81.1 cc/minute (5 cu. in./minute) max. at 207 bar (3000 psi)

Temperature: -40 to 120 °C (-40 to 248 °F) with standard Buna seals

Coil Duty Rating: Continuous from 85% to 115% of nominal voltage

Initial Coil Current Draw at 20 °C: Standard Coil: 1.2 A at 12 Vdc;

0.13 A at 115 Vac (full wave rectified);

E-Coil: 1.4 A at 12 Vdc; 0.7 A at 24 Vdc

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

Filtration: See page 9.010.1

Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt (50 to 2000 sus); See Temperature and Oil Viscosity, page 9.060.1

Installation: No restrictions; See page 9.020.1

Cavity: VC07-3; See page 9.107.1

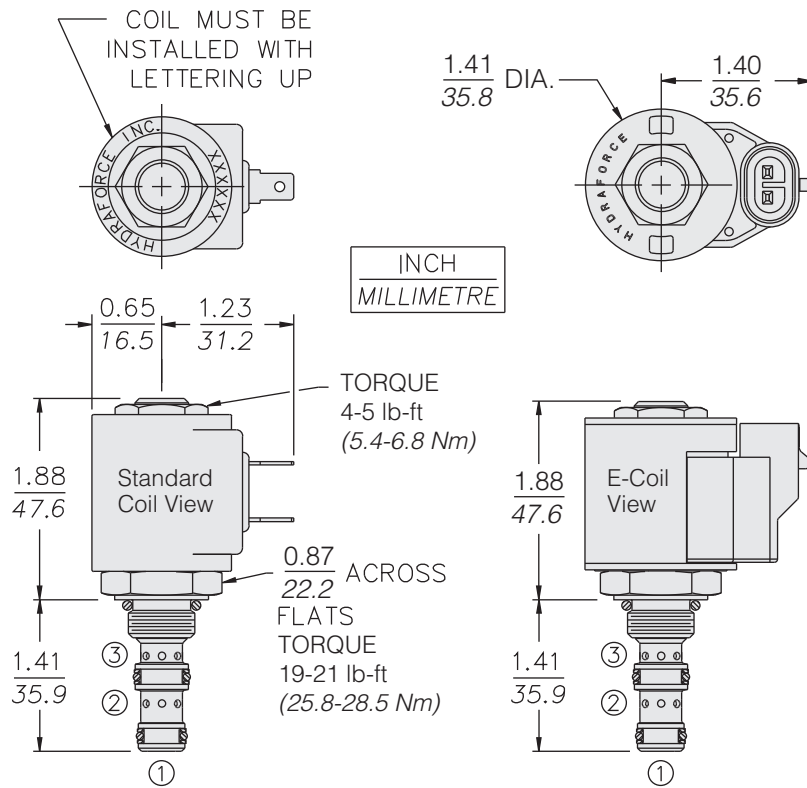
Cavity Tool: CT07-3XX; See page 8.600.1

Seal Kit: SK07-3X-MM; See page 8.650.1

Standard Coil Nut: Part No. 7004400;

For E-coils manufactured prior to 1-1-04, see page 3.400.1 for coil nut info.

DIMENSIONS



MATERIALS

Cartridge: Weight: 0.09 kg (0.20 lb); Steel with hardened work surfaces. Zinc-plated exposed surfaces; Buna N O-rings and back-ups standard.

Standard Coil: Weight: 0.11 kg (0.25 lb); Unitized thermoplastic encapsulated, Class H high temperature magnet wire. See page 3.200.1.

E-Coil: Weight: 0.14 kg (0.3 lb); Perfect wound, fully encapsulated with rugged external metal shell; Rated up to IP69K with integral connectors.

Note: See page 3.400.1 for all E-Coil retrofit applications.

TO ORDER

