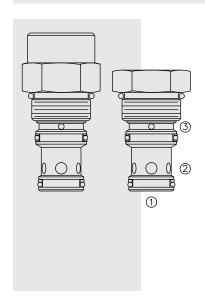
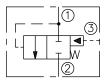
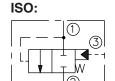
EP16-S35 Piloted Spool-Type Logic Element



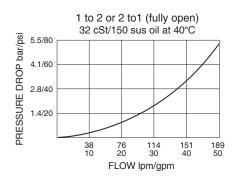
SYMBOLS

USASI:





PERFORMANCE (Cartridge Only)



DESCRIPTION

A spool-type, screw-in, cartridge-style, hydraulic directional element, with multifunction potential when used with other directional, pressure, or flow control devices.

OPERATION

The **EP16-S35** is a spring-biased blocking valve which will shift to allow full flow from 1 to 2 only when pressure at 1 exceeds the cumulative pressure of 3, plus the bias spring pressure value.

EP16-S35 is a pilot-to-close directional valve.

With no pressure at 3, flow will be allowed from 1 to 2 once the bias spring force is overcome with pressure at 1.

It requires a tall cap when specified with bias springs from 6,2 to 16,5 bar (90 to 240 psi). The 240 psi spring requires an extra tall cap. A manual override option is also available for valves with bias springs from 6,2 to 16,5 bar (90-240 psi).

NOTE: Orifice discs should not be used with this valve.

FEATURES

- Multiple function/application potential.
- Low pressure drop.
- · Industry common cavity.
- Manual override available with 90, 110, 160 and 240 psi bias springs.

RATINGS

Operating Pressure: 240 bar (3500 psi) Proof Pressure: 420 bar (6090 psi) Flow: See Performance Chart

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

Temperature: -40 to 100°C (-40 to 212° F) with standard Buna seals;

-26 to 204°C (-15 to 400° F) with Fluorocarbon seals; -54 to 104°C (-65 to 225° F) with Polyurethane seals.

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

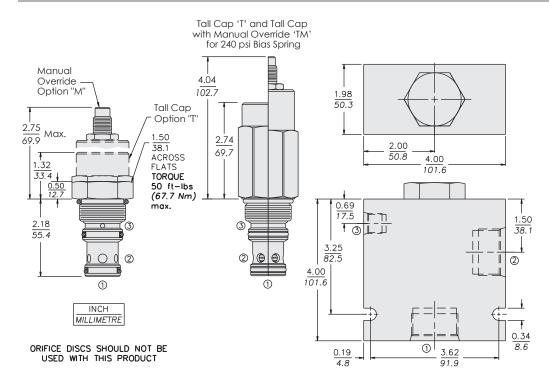
Installation: No restrictions; See page 9.020.1

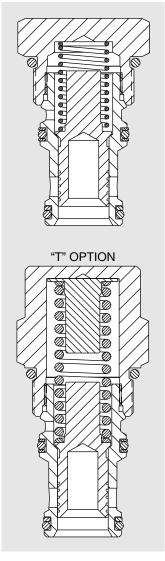
Cavity: VC16-S3; See page 9.116.1 Cavity Tool: CT16-S3xx; See page 8.600.1 Seal Kit: SK16-S3x-MM; See page 8.650.1



EP16-S35

DIMENSIONS





MATERIALS

Cartridge: Weight: 0.27 kg. (0.60 lbs.)
Steel with hardened work surfaces.
Zinc-plated exposed surfaces.
Buna N O-rings and polyester
elastomer back-ups standard.

Standard Ported Body: Weight: 1.50 kg. (3.3 lbs.) Anodized highstrength 6061 T6 aluminum alloy, rated to 207 bar (3000 psi). Ductile iron bodies available; dimensions may

differ. See page 8.016.1.

TO ORDER

