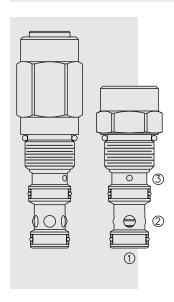
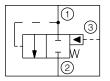
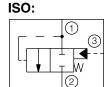
EP12-S35 Piloted Spool-Type Logic Element



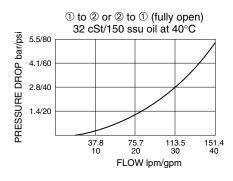
SYMBOLS

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 EP12-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.

EP10-S35 is a pilot-to-close directional valve.

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

FEATURES

- Multiple function/application potential.
- · Low pressure drop.
- Industry common cavity.
- Manual override option available with 80 psi spring only.

RATINGS

Operating Pressure: 350 bar (5000 psi) cartridge; 240 bar (3500 psi) standard

aluminum housing

Flow: See Performance Chart

Internal Leakage: 131 cc/minute (8 cu. in./minute) max. at 350 bar (5000 psi)

Bias Spring Pressure Options:

7.0 bar (100 psi)

11.0 bar (160 psi) Tall Cap option required 16.5 bar (240 psi) Tall Cap option required

Temperature: -40 to 120°C with standard Buna 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 ssu)

Installation: No restrictions; See page 9.020.1

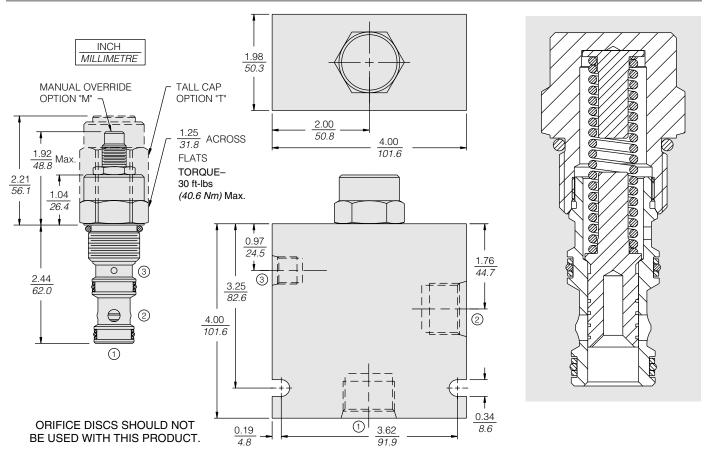
Cavity: VC12-S3; See page 9.112.1

Cavity Tool: CT12-S3XX; See page 8.600.1 Seal Kit: SK12-3X-MM; See page 8.650.1



EP12-S35

DIMENSIONS



MATERIALS

Cartridge: Weight: 0.23 kg. (0.5 lbs.); Steel with hardened work surfaces. Zinc-plated exposed surfaces. Buna N O-rings and polyester elastomer back-ups standard.

Standard Ported Body: Weight:
1.13 kg. (2.5 lbs.). Anodized highstrength 6061 T6 aluminum alloy,
rated to 240 bar (3500 psi); see page
8.010.1. Ductile iron and steel bodies
available; consult factory.

TO ORDER

