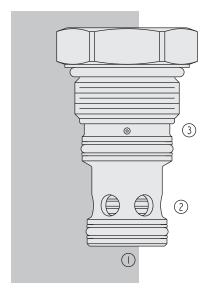
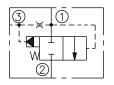
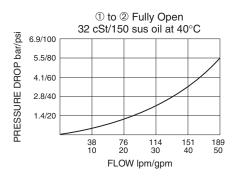
# HEV16-S34 HyPerformance<sup>™</sup> Vented Spool-Type



## SYMBOL



## PERFORMANCE (Cartridge Only)



## DESCRIPTION

A high-pressure spool-type, screw-in, cartridge-style, hydraulic directional element, with multi-function potential when used with other directional, pressure, or f ow control devices.

## **OPERATION**

The **HEV16-S34** is a spring-biased blocking valve which will shift to allow full f ow from ① to ② only when ③ is vented to create a pressure drop across the internal orif ce which exceeds the pressure of the selected bias spring.

HEV16-S34 is a vent-to-open directional valve.

## **FEATURES**

- Multiple function/application potential.
- · Smooth shift transition.
- · Low pressure drop.
- All HyPerformance products are tested to the rigorous standards of the NFPA specif cation T2.6.1.
- All HyPerformance valves are tested at a verif cation level of 90% and an assurance of 99%.

## RATINGS

**Operating Pressure:** 350 bar (5075 psi); 10% cycle life: 420 bar (6090 psi) Note: All HyPerformance products are tested for 900K cycles at 350 bar and 100K at 420 bar.

#### Proof Pressure: 690 bar (10000 psi)

Burst Pressure: 1380 bar (20000 psi)

Flow: Up to 190 lpm (50 gpm)

**Internal Leakage:** 164 ml/minute (10 cu. in./minute) max. at 350 bar (5075 psi) **Operating Temperature:** -54 to 107°C (-65 to 225°F) with Urethane 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: HVC16-S3; See page 9.116.1

Cavity Tool: HCT16-S3XX; See page 8.600.1

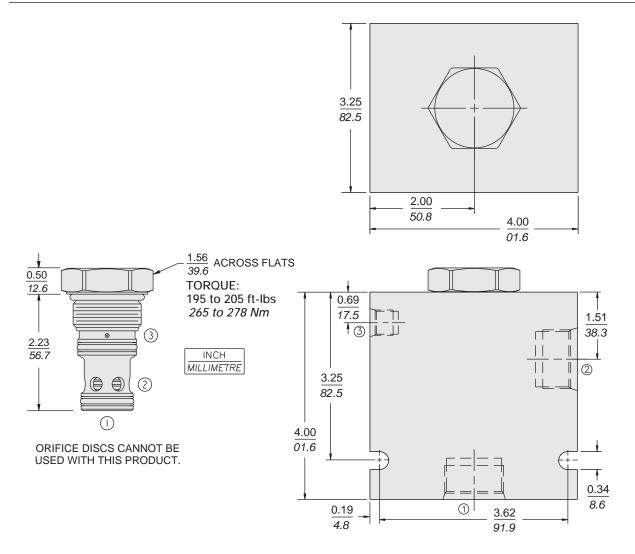
Seal Kit: SK16-S3X-X; See page 8.650.1



## Logic Element

# HEV16-S34

## DIMENSIONS



#### MATERIALS

**Cartridge:** Weight: 0.30 kg. (0.67 lbs.) Steel with hardened work surfaces. Zinc-nickel plated exposed surfaces. PPDI Urethane seals with no backup rings standard.

Ported Body: Weight: 5.34 kg. (11.77 lbs.); HyPerformance™ Ductile iron (code 'D') standard. Rated to 345 bar (5000 psi).

## TO ORDER

