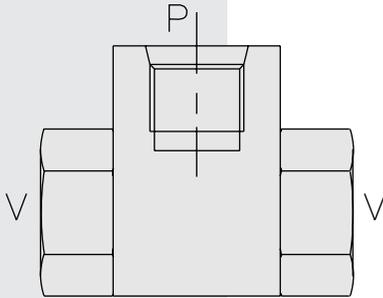


DIRECTIONAL VALVES

LSV1 Load Shuttle, Ball-Type



DESCRIPTION

An in-line plumbed, low leak, load-shuttling hydraulic check valve for use as a directional selector.

OPERATION

The LSV1 will allow flow from the higher pressure of ① or ③ to ②.

The valve is commonly used to direct oil from the pressure side of a bidirectional hydraulic motor to a pressure-released hydraulic brake.

FEATURES

- Hardened seat for long life and low leakage.
- Rapid response to load direction changes.
- Compact size.

RATINGS

Operating Pressure: 240 bar (3500 psi)

Flow: See Performance Chart

Internal Leakage: 0.25 cc/minute (5 drops/minute) max. at 207 bar (3000 psi)

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

Filtration: See page 9.010.1

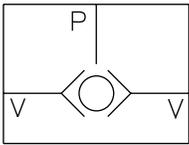
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt (50 to 2000 sus); See Temperature and Oil Viscosity, page 9.060.1

Installation: No restrictions

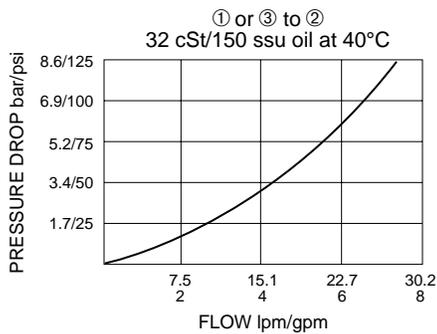
Seal Kit: Non-serviceable

SYMBOLS

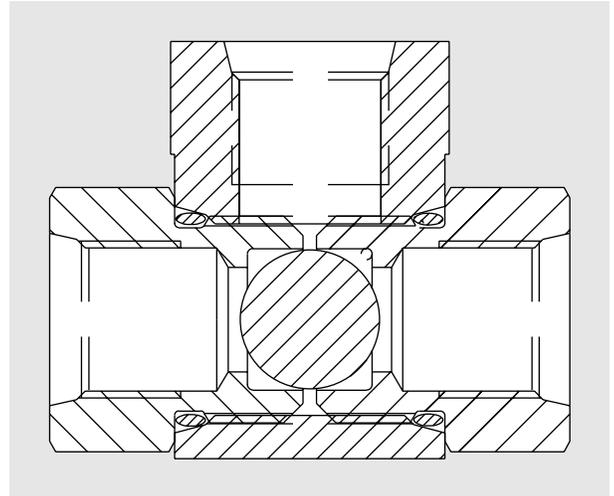
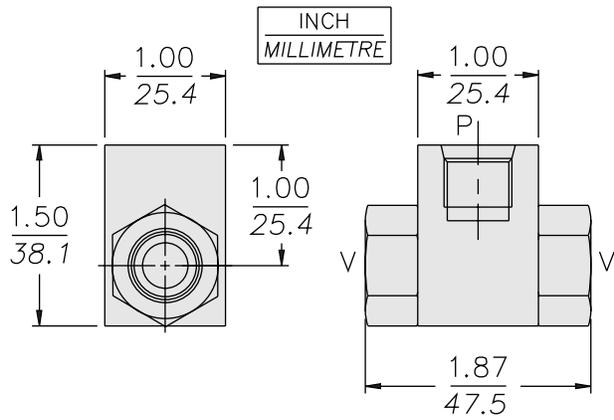
USAS/ISO:



PERFORMANCE (Cartridge Only)



DIMENSIONS



MATERIALS

Internal Parts: Steel; Zinc-plated exposed surfaces. Buna N O-rings standard.

Standard Ported Body: Anodized high-strength 6061 T6 aluminum alloy, rated to 207 bar (3000 psi).

Weight: 0.13 kg. (0.28 lbs.).

TO ORDER

