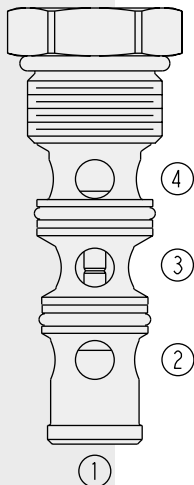


DIRECTIONAL VALVES

LS10-41 Inverted Shuttle Valve



DESCRIPTION

A screw-in, cartridge-style inverted shuttle valve, which can be used to help protect against brake or steering failure in the event of loss of pressure in either one of two accumulators.

OPERATION

If one accumulator fails, the **LS10-41** will shift over to protect the good one. All ports are connected in neutral. When pressure at one of the two load ports exceeds the other, the poppets shuttle to give priority flow and pressure to the port with the highest load. Typical applications include braking and steering circuits.

Note: Port ① should be blocked.

FEATURES

- Hardened work surfaces.
- Industry common cavity.

RATINGS

Operating Pressure: 240 bar (3500 psi)

Flow: 15.1 lpm (4 gpm); See Performance Chart

Internal Leakage: 0.15 ml per minute (3 drops per minute)

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)

Installation: No restrictions; See page 9.020.1

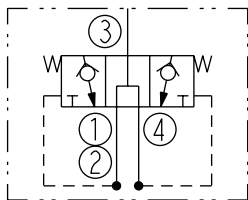
Cavity: VC10-4; See page 9.110.1

Cavity Tool: CT10-4XX; See page 8.600.1

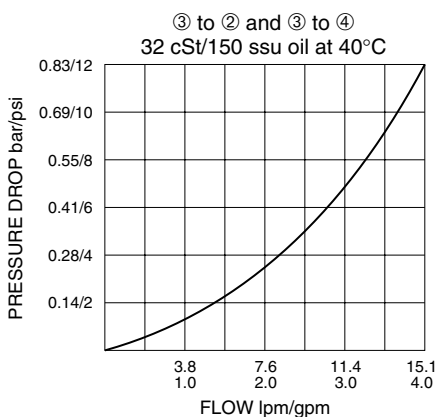
Seal Kit: SK10-4X-TBX; See page 8.650.1

SYMBOLS

USASI/ISO:



PERFORMANCE (Cartridge Only)



TYPICAL APPLICATION

