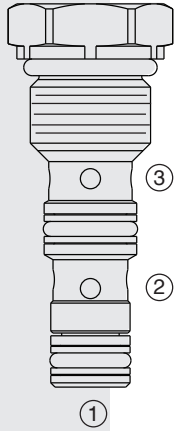


HLS06-30 HyPerformance™ Load Shuttle,



DESCRIPTION

A high pressure load-shuttling, screw-in, cartridge-style hydraulic check valve, for use in blocking circuits where a priority of flow/direction is given to a higher pressure circuit over a lower one.

OPERATION

The HLS06-30 will allow flow from the higher pressure port 1 or 3 to port 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

- Rapid response to load direction changes.
- Compact size.
- Lower pressure drop.
- Reduced space claim and smaller hydraulic "footprint".
- All HyPerformance™ products are tested to the rigorous standards of NFPA specification T2.6.1 to a verification level of 90% and an assurance of 99%.

RATINGS

Operating Pressure: 350 bar (5075 psi); 10% cycle life: 420 bar (6090 psi)

Proof Pressure: 690 bar (10000 psi)

Burst Pressure: 1380 bar (20000 psi)

Flow: 7.6 lpm (2 gpm)

Internal Leakage: 0.10 cc/minute (2 drops/minute) max. at 350 bar (5075 psi)

Temperature: -40 to 100°C (-40 to 212°F) with Buna seals;
-26 to 204°C (-15 to 400°F) with Viton seals; -54 to 107°C (-65 to 225°F) with PPDI 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

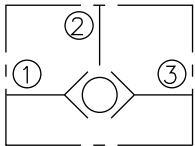
Installation: No restrictions; See page 9.020.1

Cavity: HVC06-3; See page 9.106.1

Cavity Tool: HCT06-3XX; See page 8.600.1

Seal Kit: HSK06-3X-MM; See page 8.650.1

ISO SYMBOL



PERFORMANCE (Cartridge Only)

Pressure Drop vs. Flow
(Cartridge Only)

--- Port 1 to 2 — Port 3 to 2
32 cSt/150 sus oil at 40°C

