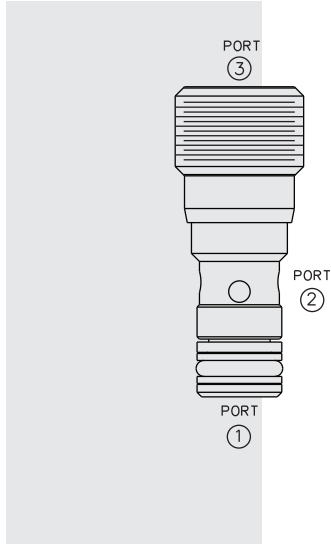
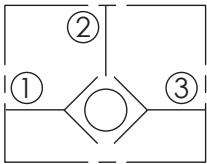


HLS06-B30 HyPerformance™ Load Shuttle, Ball Type,

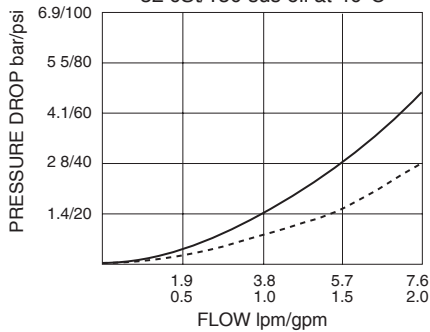


ISO SYMBOL



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



DESCRIPTION

A 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-B30** will allow flow from the higher pressure of 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. It can also be used as a load-sense signaling valve.

FEATURES

- Rapid response to load direction changes.
- Higher flow capacity.
- 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 Rating: 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 standard Buna seals;
-26 to 204°C (-15 to 400°F) with Viton seals; -54 to 107°C (-65 to 225°F) with PPDl 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-B3; See page 9.106.1

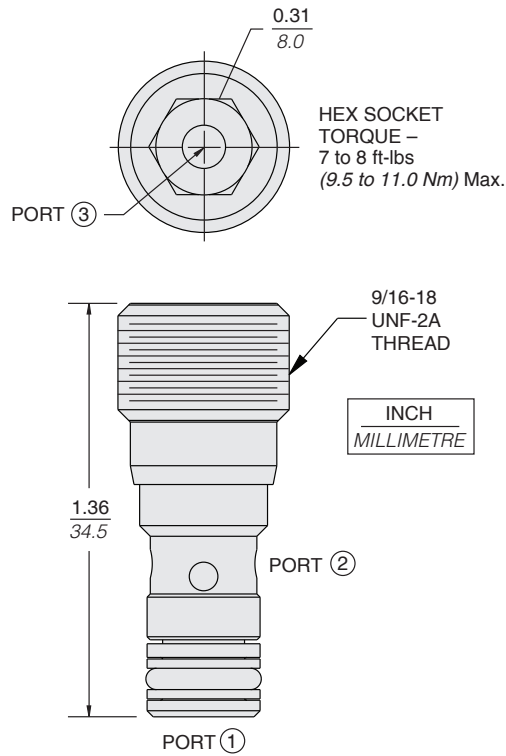
Cavity Tool: HCT06-B3XX; See page 8.600.1

Seal Kit: SK06-B3N-M (Buna N); See page 8.650.1

"Down-Hole" Mount

HLS06-B30

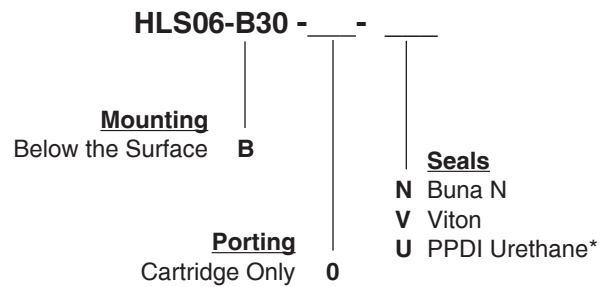
DIMENSIONS



MATERIALS

Cartridge: Weight: 0.02 kg. (0.04 lbs.)
Steel with Zinc-plated exposed surfaces.

TO ORDER



*PPDI Urethane seals recommended for operating pressures above 241 bar/3500 psi.

Consult factory for other available options.