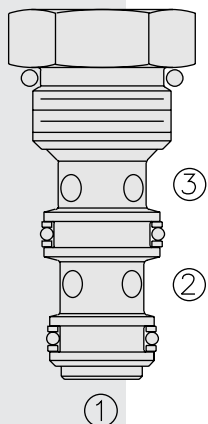


DIRECTIONAL VALVES

LS08-30 Load Shuttle, Ball-Type



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 **LS08-30** will allow flow from the higher pressure of ① or ③ port to the ② port.

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.

RATINGS

Operating Pressure: 240 bar (3500 psi)

Proof Pressure: 390 bar (5700 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; See page 9.020.1

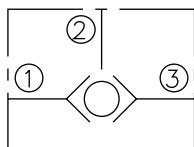
Cavity: VC08-3; See page 9.108.1

Cavity Tool: CT08-3XX; See page 8.600.1

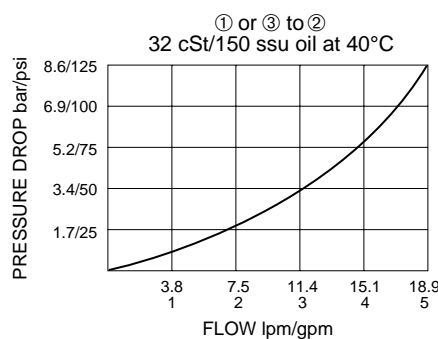
Seal Kit: SK08-3X-MM; See page 8.650.1

SYMBOLS

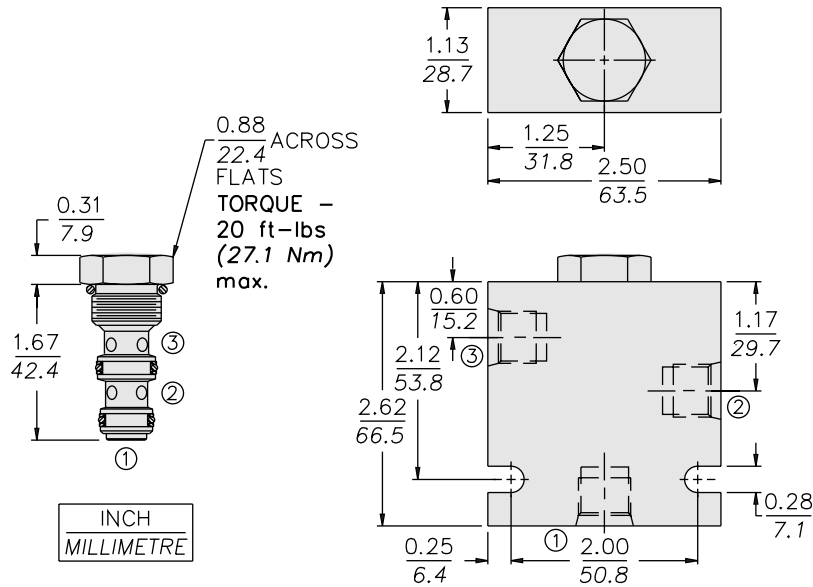
USAS/ISO:



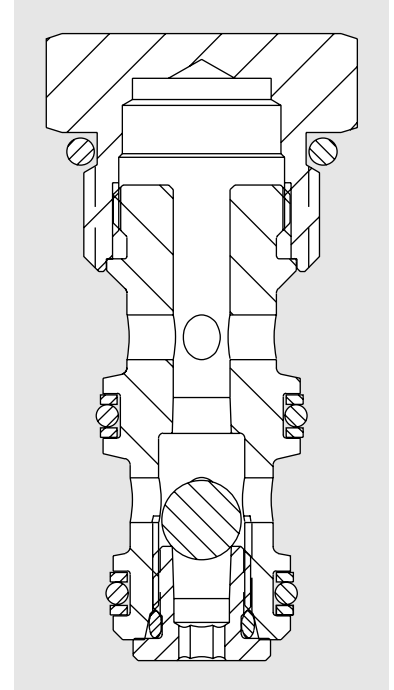
PERFORMANCE (Cartridge Only)



DIMENSIONS



ORIFICE DISC MAY NOT BE
USED WITH THIS PRODUCT.



MATERIALS

Cartridge: Weight: 0.08 kg. (0.17 lbs.)
Steel with Zinc-plated exposed
surfaces; Buna N O-rings and
back-ups standard.

Standard Ported Body: Weight:
0.27 kg. (0.60 lbs.) Anodized high-
strength 6061 T6 aluminum alloy,
rated to 207 bar (3000 psi). Ductile
iron bodies available; dimensions
may differ. See page 8.008.1

TO ORDER

LS08-30-		-		
Porting			Seals	
Cartridge Only	0		N	Buna N (Std.)
SAE 4	4T		V	Fluorocarbon
SAE 6	6T			
1/4 in. BSP*	2B			
3/8 in. BSP*	3B			

*BSP Body
U.K. Mfr. Only