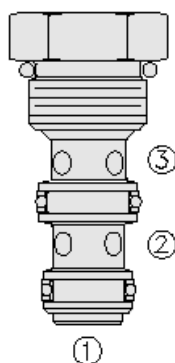




Overview



Description

A load shuttle, 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.

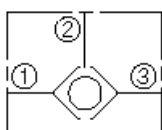
Operation

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

Features

- Rapid response to load direction changes.
- Compact size.

Symbol



Ratings

Pressure Ratings

Pressure rating 241 bar (3500 psi)

Flow Ratings

Flow rating See performance graph

Maximum internal leakage 0.25 ml/min (5 drops/min) - **Note:** At 207 bar (3000 psi)

Temperature Ratings

Operating fluid temperature	-40 to 100 °C (-40 to 212 °F)	- Note: With buna N seals
	-26 to 204 °C (-15 to 400 °F)	- Note: With fluorocarbon seals
	-54 to 107 °C (-65 to 225 °F)	- Note: With polyurethane seals
	-54 to 107 °C (-65 to 225 °F)	- Note: With urethane seals
Storage temperature	-40 to 70 °C (-40 to 160 °F)	
Ambient temperature	-40 to 90 °C (-40 to 194 °F)	

Other Ratings

Corrosion protection 960 hr salt spray per ASTM b117 (gls08-30)

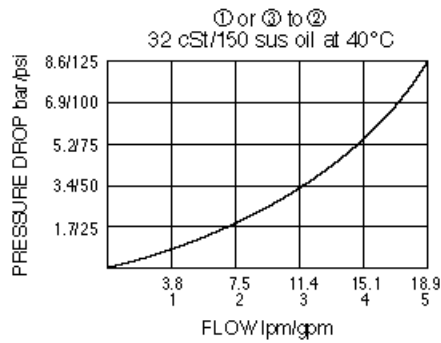
Operating Parameters

Fluids	Mineral based or synthetic hydraulic fluid with lubricating properties
Fluid viscosity range	7.4 to 420 cSt
Maximum operating contamination level	20/18/14 per ISO 4406

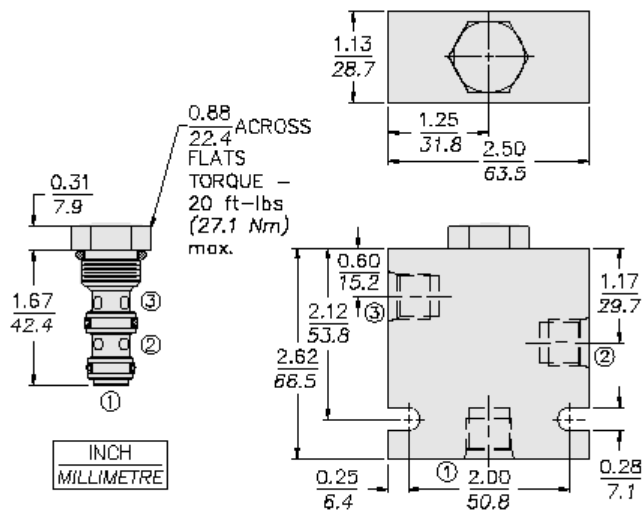
Properties

Unit weight	0.06 kg (0.14 lb)
Internal wetted surface area	70 cm ² (10.8 in ²)

Performance



Dimensions



ORIFICE DISC MAY NOT BE USED WITH THIS PRODUCT.

Installation Specifications

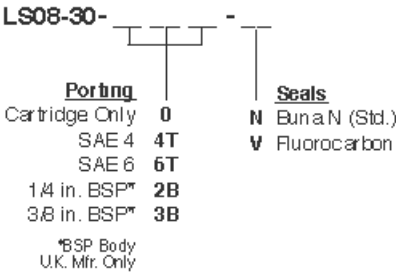
Cavity	VC08-3
Cartridge installation torque	25.8 to 28.5 N-m (19 to 21 ft-lb)
Maximum allowable torque	54.2 N-m (40 ft-lb)
Orientation restriction	None

Accessories

Seal kit	SK08-3N-MM	- Note: Buna N
	SK08-3V-MM	- Note: Fluorocarbon
	SK08-3P-MM	- Note: Polyurethane
	SK08-3U-OO	- Note: Urethane



Order Code



Model Options

LS08-30-H-J

H Line Body

CODE	DESCRIPTION
0	No Body
4T	Aluminum SAE 4
6T	Aluminum SAE 6
6TD	Ductile Iron SAE 6
8TD	Ductile Iron SAE 8
3B	Aluminum BSPP 3/8" (3)
3BD	Ductile Iron BSPP 3/8" (3)

J Seal

CODE	DESCRIPTION
N	Buna-N
V	Fluorocarbon
P	Polyurethane
U	PPDI Urethane