

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 INLS08-30 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:

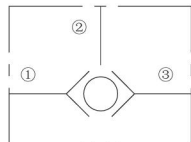
0.25 cc/minute (5 drops/minute) max. at 207 bar(3000 psi)

Temperature: -40°C ~ 120°C (with Buna N seals)

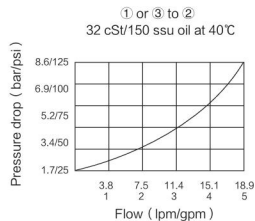
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt (50 to 2000 ssu)

Cavity: T08-3A; See bottom of this catalog.

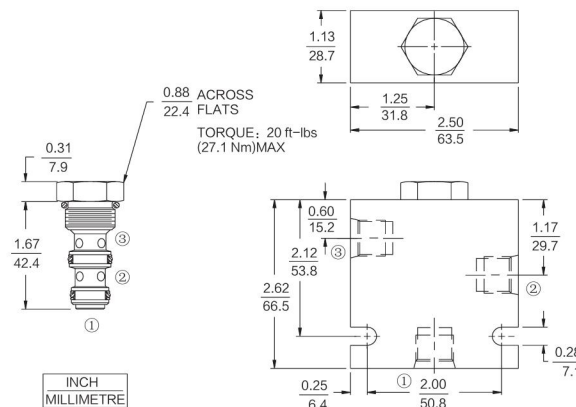
ISO SYMBOL



PERFORMANCE (Cartridge Only)



DIMENSIONS



ORIFICE DISCS WAY 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 highstrength 6061 T6 aluminum alloy, rated to 207 bar (3000 psi). Ductile iron bodies available; dimensions may differ.

TO ORDER

INLS08-30

