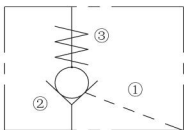
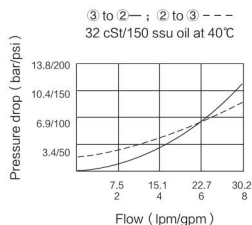


ISO SYMBOL



PERFORMANCE (Cartridge Only)



DESCRIPTION

A screw-in, cartridge-style, pilot-operated, hydraulic check valve for use in blocking or load-holding circuits.

OPERATION

The INPC10-32 allows flow passage from ② to ③, while normally blocking flow from ③ to ②. Flow will be allowed from ③ to ② when pressure is applied at 1. The cartridge has a 4:1 pilot ratio, meaning that at least one-fourth of the load pressure held at ③ is required at 1 to open the valve. The check is spring-biased to assure holding in static or no-load conditions. A sealed pilot piston option is available. Note: Special higher bias spring values available. Consult factory.

FEATURES

- Hardened seat for long life and low leakage.
- Optional sealed piston.
- Industry common cavity.

RATINGS

Operating Pressure: 240 bar (3500 psi)

Flow: See Performance Chart

Internal Leakage: at 240 bar (3500 psi):

- ③ to ② : 0.25 ml/minute (2 drops/minute)
- ② to ① without sealed piston: 115 ml/minute (7 cu. in./minute)
- ② to ① with sealed piston: zero leakage

Pilot Ratio: 2:1

Check Spring Bias: 2.07 bar (30 psi) ;

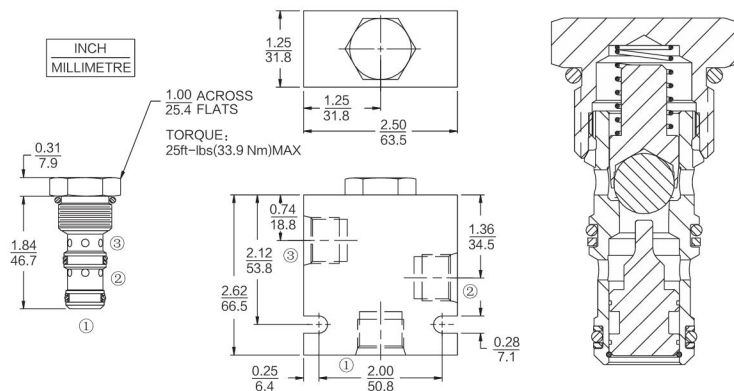
With sealed piston option: 6.2 bar (90 psi) minimum

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: T10-3A; See bottom of this catalog.

DIMENSIONS



ORIFICE DISCS WAY NOT BE USED WITH THIS PRODUCT

MATERIALS

Cartridge: Weight: 0.09kg (0.18 lbs) ;
Steel with hardened work surfaces.
Zinc-plated exposed surfaces.
Buna N O-rings and back-ups standard.

BODY: Weight: 0.36kg (0.80 lbs) ;
Anodized high-strength aluminum alloy, rated to 207 bar (3000 psi).
Ductile iron bodies available; dimensions may differ.

TO ORDER

INPC10-32

Porting		Seals	
Cartridge Only	0	N	Buna N (Std.)
SAE6	6T	NS	Buna N with Sealed Piston:
SAE8	8T		6.2 bar (90 psi) minimum spring
1/4 in. BSP*	2B	V	Fluorocarbon
3/8 in. BSP*	3B	VS	Fluorocarbon with Sealed Piston:
			6.2 bar (90 psi) minimum spring