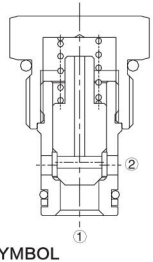
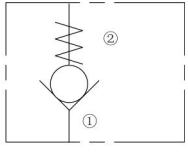
INCV10-20B



ISO SYMBOL



DESCRIPTION

A screw-in, cartridge-style, hydraulic check valve for use as a blocking or load-holding device.

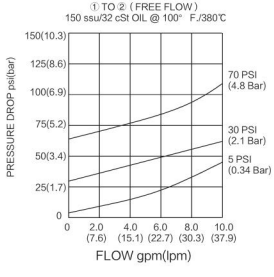
OPERATION

The INCV10-20B allows flow passage from 1 to 2, while normally blocking oil flow in the opposite direction.
The cartridge has a fully guided check which is spring-biased closed until sufficient pressure is applied at 1 to open to 2.

FEATURES

- Hardened poppet and seat for long life.
- Low leakage.
- Industry common cavity.
- Compact size.

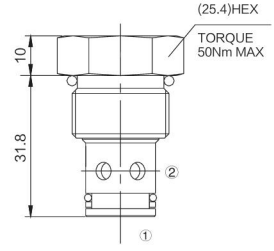
PERFORMANCE (Cartridge Only)

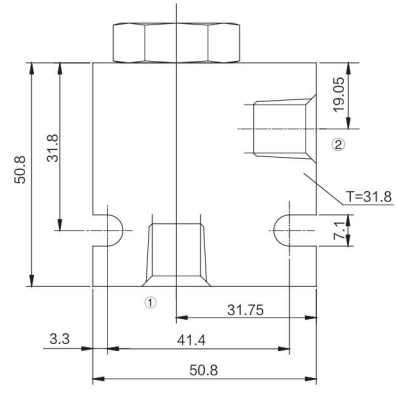


RATINGS

Operating Pressure: 240 bar
Proof Pressure: 350 bar
Flow: See PRESSURE DROP VS FLOW graph
Internal Leakage: 0.10 ml/minute (2 drops/minute) max. at 240 bar.
Crack Pressure Defined: Gauge psi evident at 1 at 16.4 cc/minute (1 cu. in./minute) attained
Standard Bias Springs at Crack: 0.34 bar; 1 bar ; 2.1 bar ; 4.8 bar ; 6.9 bar
Temperature: -40℃ ~ 120℃
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt (50 to 2000 ssu)
Cavity: T10-2B; See bottom of this catalog.
Standard Ported Body: Anodized highstrength 6061 T6 aluminum alloy, rated to 420 bar (3500 psi).Steel rated at 420 bar (6090psi) .

DIMENSIONS





MATERIALS

Cartridge: Weight: 0.08 kg (0.17lbs) ;
Buna N O-rings and back-up standard.
Standard Ported Body: Weight: 0.43kg (0.95 lbs) ;
Steel with hardened work surfaces.
Zinc-plated exposed surfaces.
rated to 345 bar (3500 psi) ;
Ductile iron bodies available; dimensions may differ.

TO ORDER

INCV10-20B - - - -

*Required for 300 psi spring: T

Saels

C artridge Only	0
SAE 6	6T
SAE 8	8T
1/4 in. BSP*	2B
3/8 in. BSP*	3B
1/2 in. BSP*	4B

Bias Spring

5	0.34 bar (5 psi)
15	1 bar (15 psi)
30	2.1 bar (30 psi)
40	2.8 bar (40 psi)
70	4.8 bar (70 psi)
100	6.9 bar (100 psi)
200	13.6 bar (200 psi)
300	20.4 bar (300 psi)*

*Requires "T" Option

Seals

N	Buna N (Std.)
V	Fluorocarbon