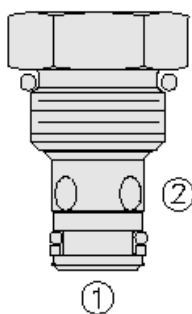


Overview



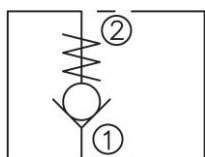
Description

The CV-10-B is a screw-in, cartridge style, hydraulic check valve for use as a blocking (or) load-holding Device.

Operation

The CV-10-B allows flow passage from port 1 to port 2, while normally blocking the oil flow in the opposite direction. The cartridge has a fully guided check, which is spring-biased closed until sufficient pressure is applied at port 1 to open to port 2.

Symbol



Features

- Hardened seat for long life and low leakage.
- Optional bias springs for back- pressure application flexibility.
- Fully guided check assembly.
- Industry common cavity.

Ratings

Operating Pressure	250 Bar
Flow Rating	Refer Pressure drop VS Flow Graph
Internal Leakage	2 drops/min max at 250 Bar
Cracking Pressures	0.3 Bar (5 psi) 0.7 Bar (11 psi) 1.5 Bar (22 psi) 3.5 Bar (50 psi) 7.0 Bar (100 psi)
Temperature	-40 to 100° C - with buna N Seals (Nitrile) -26 to 204° C - with fluorocarbon Seals (Viton)
Filtration	Maximum Fluid Contamination Level 20/18/14 as per ISO 4406
Fluids	Mineral Based Fluids with viscosities of 7.4 to 420 cSt
Cavity	C-10-2

Performance

Path	: 1 to 2
Bias Spring	: 0.3 Bar
Media	: ISO VG32 oil @ 40°C

Flow rate VS PRESSURE DROP

