

DIRECTIONAL VALVE

ICV2500-G18 SCREW-IN CHECK VALVE



DESCRIPTION

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

OPERATION

The ICV2500-G18 allows flow from ① to ② once the port ① pressure exceeds the crack pressure, while normally blocking oil flow in the opposite direction.

FEATURES

1. Hardened seat for long life.
2. Low leakage.
3. Compact size.

RATINGS

Operating Pressure: 350 bar (5100 psi)

Flow: See Performance Chart

Internal Leakage: 0.15 ml/minute (3 drops/minute) max. at 350 bar (5100 psi)

Crack Pressure: 1 bar (14 psi)

Temperature: -40°C to 120°C

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

Installation: No restrictions

Cavity: As below figure