

## DIRECTIONAL VALVE

---

### ICV2000-G14 SCREW-IN CHECK VALVE



### DESCRIPTION

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

### OPERATION

The ICV2000-G14 allows flow 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

1. Hardened seat for long life and low leakage.
2. Miniature size.
3. Fast closing and seating.

### RATINGS

Operating Pressure: 350 bar (5100 psi)

Flow: See Performance Chart

Internal Leakage: 0.10 ml/minute (2 drops/minute) max. at 350 bar (5100 psi)

Crack Pressure Defined: Gauge bar (psi) evident at ① at 16.4 ml/min. (1 cu. in./minute) attained

Standard Bias Springs at Crack: 0.5 bar (7.3 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