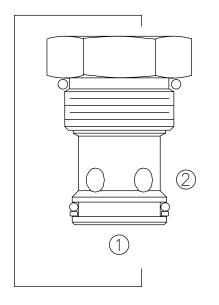
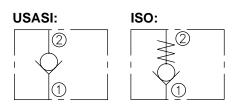
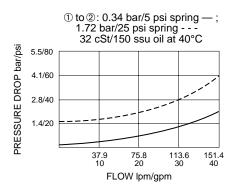
CV16-20 Check Valve



SYMBOLS



PERFORMANCE (Cartridge Only)



DESCRIPTION

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

OPERATION

The **CV16-20** allows flow from ① to ②, while blocking oil flow in the opposite direction. The cartridge has a fully guided poppet which is spring-biased to closed until sufficient pressure is applied at ① to open to ②.

FEATURES

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

RATINGS

Operating Pressure: 240 bar (3500 psi)

Proof Pressure: 350 bar (5075 psi)

Flow: See Performance Chart

Internal Leakage: 0.25 cc/minute (5 drops/minute) max. at 240 bar (3500 psi) Crack Pressure Defined: Gauge pressure evident at ① at 0.95 lpm (0.25 gpm) attained

Standard Bias Springs at Crack: 0.35 bar (5 psi); 1.7 bar (25 psi); 4.1 bar (60 psi) Temperature: -40 to 120°C

Filtration: Recommend 25µ nominal or better; See page 8.010.1

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

Installation: No restrictions; See page 8.020.1

Cavity: VC16-2; See page 8.116.1

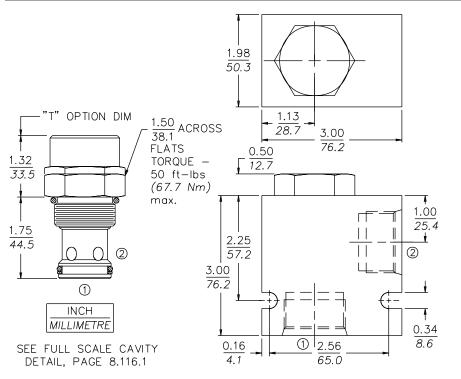
Cavity Tool: CT16-2XX; See page 7.200.1

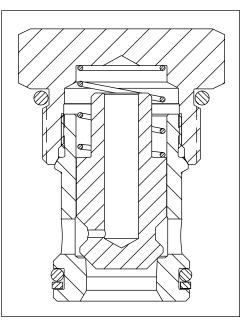
Seal Kit: SK16-2X-T; See page 8.500.1



CV16-20

DIMENSIONS





MATERIALS

Cartridge: Weight: 0.29 kg. (0.63 lbs.); Steel with hardened work surfaces; Zinc-plated exposed surfaces; Buna N O-rings and polyester elastomer back-ups standard.

Standard Ported Body: Weight: 0.57 kg. (1.25 lbs.); Anodized highstrength 6061 T6 aluminum alloy, rated to 240 bar (3500 psi). See page 6.046.1. Steel bodies available; consult factory.

TO ORDER

