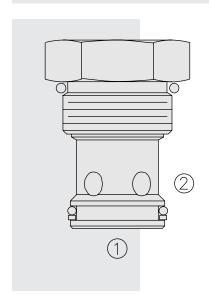
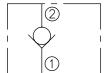
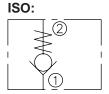
## CV16-20 Check Valve



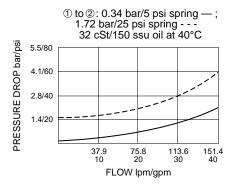
## **SYMBOLS**

#### **USASI:**





## 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:** See page 9.010.1

Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt (50 to 2000 sus); See Temperature and Oil Viscosity, page 9.060.1

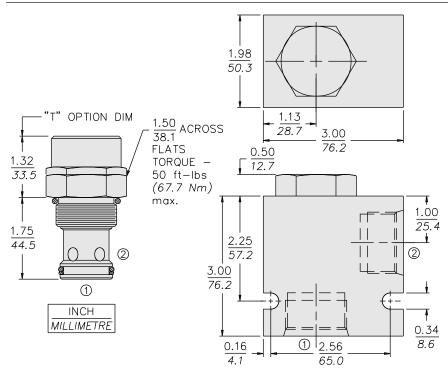
Installation: No restrictions; See page 9.020.1

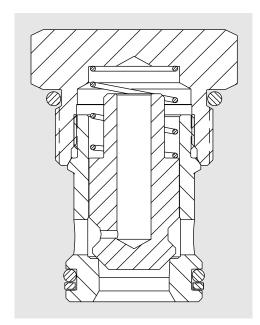
Cavity: VC16-2; See page 9.116.1 Cavity Tool: CT16-2XX; See page 8.600.1 Seal Kit: SK16-2X-T; See page 8.650.1



# CV16-20

## **DIMENSIONS**



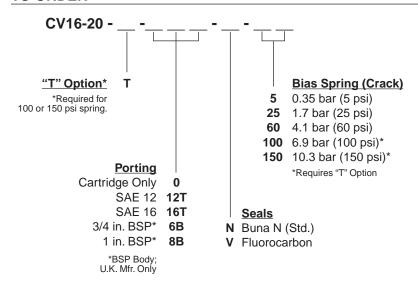


## **MATERIALS**

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 207 bar (3000 psi). Ductile iron bodies available; dimensions may differ. See page 8.016.1

## **TO ORDER**



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