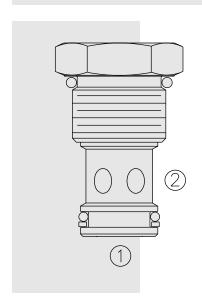
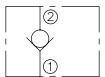
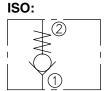
## CV12-20 Check Valve



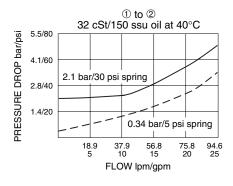
## **SYMBOLS**

#### **USASI:**





### PERFORMANCE (Cartridge Only)



#### **DESCRIPTION**

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

#### **OPERATION**

The **CV12-20** allows flow passage 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**

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

#### **RATINGS**

Operating Pressure: 240 bar (3500 psi) Proof Pressure: 420 bar (6090 psi) Flow: See Performance Chart

Internal Leakage: 0.25 cc/minute (5 drops/minute) max. at 240 bar (3500 psi) Crack Pressure Defined: Gauge bar (psi) evident at ① at 16.4 cc/minute

(1 cu. in./minute) attained

Standard Bias Springs at Crack: 0.34 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 ssu)

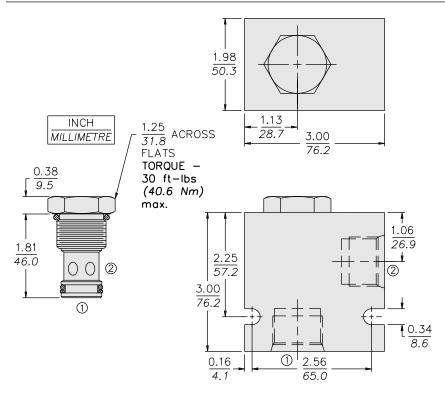
Installation: No restrictions; See page 9.020.1

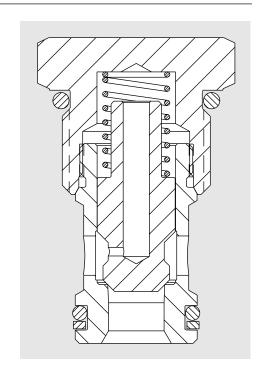
Cavity: VC12-2; See page 9.112.1 Cavity Tool: CT12-2XX; See page 8.600.1 Seal Kit: SK12-2X-T; See page 8.650.1



# CV12-20

#### **DIMENSIONS**





### **MATERIALS**

Cartridge: Weight: 0.18 kg. (0.40 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 high-strength 6061 T6 aluminum alloy, rated to 240 bar (3500 psi); See page 8.012.1. Ductile iron and steel bodies available; consult factory.

## **TO ORDER**

