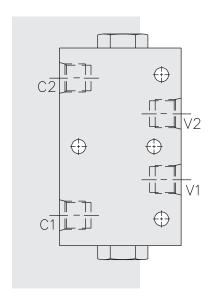
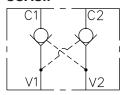
## **DCV08** Lock Valve

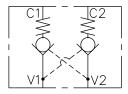


#### **SYMBOLS**

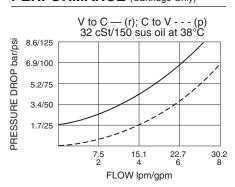
#### **USASI:**



#### ISO:



## PERFORMANCE (Cartridge Only)



#### **DESCRIPTION**

An in-line-housed, double-pilot-operated, hydraulic check valve for use in blocking or load holding circuits.

#### **OPERATION**

The **DCV08** allows flow from V ports to C ports, while normally blocking flow in the opposite direction. Flow will be allowed from C to V when pressure is applied to the opposite side V port.

The valve has a 4:1 pilot ratio, so approximately one-fourth of the load pressure held at either C port is required at the opposite V port to open the flow passage.

The check is spring-biased at 1.7 bar (25 psi) to assure holding in static or no-load conditions. An optional sealed piston with check spring bias of 6.9 bar (100 psi) is available.

#### **FEATURES**

- Hardened seat for long life and low leakage.
- · Check section serviceable as a cartridge.
- · Optional sealed piston.
- · Optional spring ranges.
- Low pressure drop.

#### **RATINGS**

Flow: See Performance Chart

Internal Leakage Cx to Vx: 0.25 cc/minute (5 drops/minute) max.

at 207 bar (3000 psi)

V1 to V2 (without sealed piston): 328 cc/minute (20 cu. in./minute) max.

at 240 bar (3500 psi)

Pilot Ratio: 4:1

Temperature: -40 to 120°C with standard Buna seals

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

Seal Kit (for CV08-2x): SK08-2x-T (2 required); See page 8.650.1

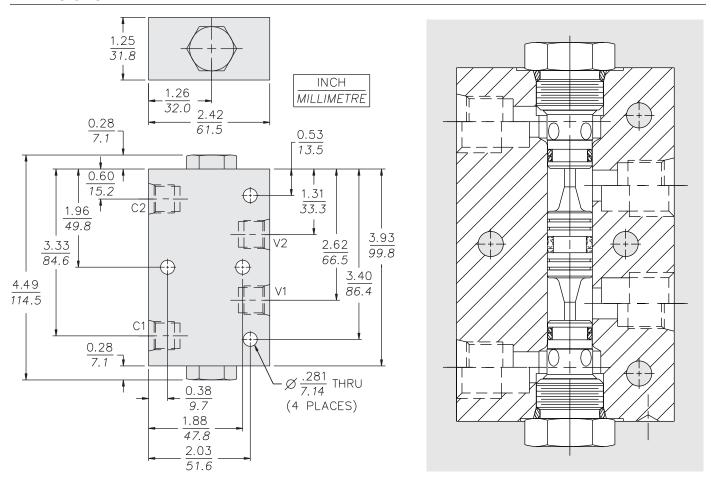
**Pilot Piston Service Part Numbers:** 

O-Ring (1) – Buna 6001012, Fluorocarbon 6003012 Back-up (2) – Buna 6011012, Fluorocarbon 6011012



# DCV08

#### **DIMENSIONS**



### **MATERIALS**

Cartridge: (CV08-20): Steel with hardened work surfaces. Zinc-plated exposed surfaces. Buna N O-rings and back-up standard.

Pilot Piston: Hardened steel.

Standard Ported Body: Anodized high-strength 6061 T6 aluminum alloy, rated to 207 bar (3000 psi). Ductile iron bodies available; dimensions may differ. See page 8.008.1

Product Weight: 0.58 kg. (1.28 lbs.)

## **TO ORDER**

