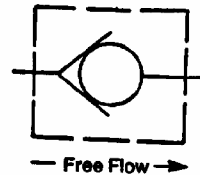


Parker Series CV161 Check Valve

CAT. No. 3100-000/NA



Application

The CV161 Series Check Valves allow free flow in one direction while preventing flow in the reverse direction. They can be used to isolate portions of a hydraulic circuit or to provide a free flow path around a restrictive valve.

Operation

Pressure on the Inlet of the check creates a force against the poppet, pushing it off its seat and permitting free flow. Reverse flow thru the check is blocked by the poppet.

Features

- Hardened operating parts for long life
- Fully guided poppet for smooth operation
- Cartridge design

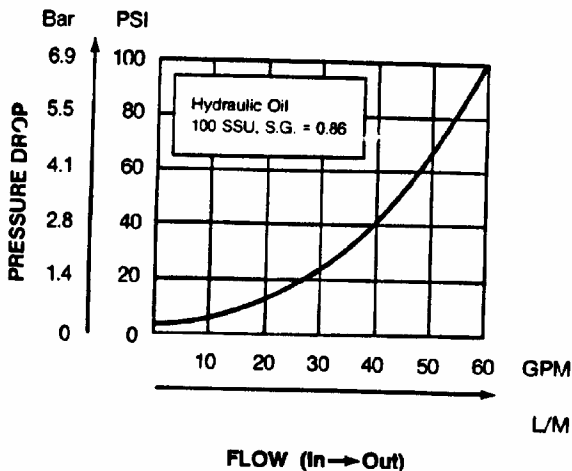
Installation Data

See page no. TI-1.00 for specific recommendations pertaining to system cleanliness, fluids, seals and other important factors relative to the proper installation and use of these products.

Performance Curve

Series CV161

Free Flow vs. Pressure Drop through Cartridge Only. For Performance of Bodies, see Section MV.



#CV16-1P

Specifications

Rated Flow - 60 GPM

Max. Operating Pressure - 3500 PSI

Max. Leakage @ Rated Pressure - 5 Drops/minute (1/3cc)

Operating Temperature Range (Ambient):

- 40°F to + 200°F (Nitrile Seals)

- 25°F to + 250°F (Viton Seals)

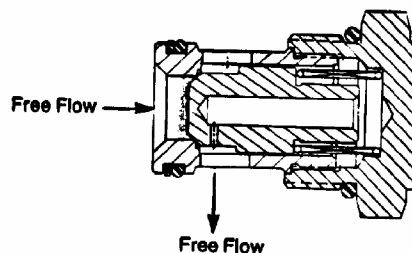
Cartridge Material - All parts are steel. All operating parts hardened steel.

Filtration - Maintain SAE Class 6

Mounting - No restrictions

Cavity - Common Cavity No. C16-2
(See page no. TI-3.00)

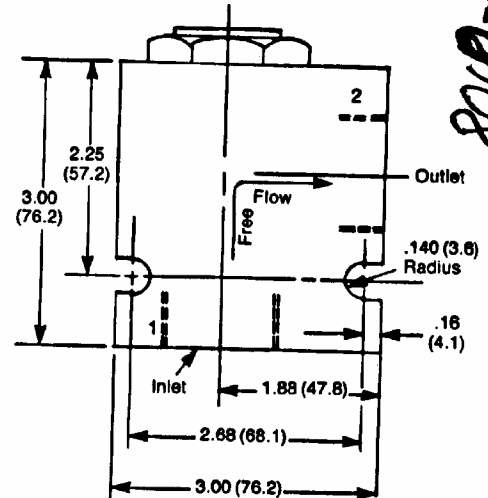
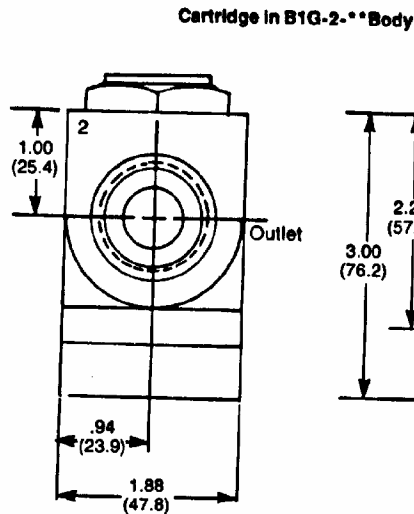
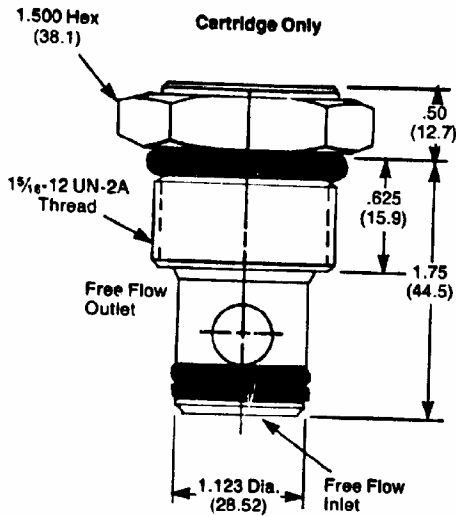
Construction



Check Valves

Series CV161

Dimensions Inches (Millimeters)



Ordering Information

CV	16	1P				
CHECK VALVE	SIZE	STYLE	CRACKING PRESSURE*	SEALS		BODY OPTION
	No. 16 Size Cavity	Guided Poppet		Omit Nitrile V Viton		

Omit	5 PSI
20	20 PSI
65	65 PSI

Note: Consult factory for other cracking pressures.
*Cracking pressure is defined as the pressure at which the poppet begins to unseat. It occurs when leakage exceeds 5 drops (1/3 cc)/minute.

Omit	Cartridge Only
12T	Cartridge in Body No. B16-2-12T (1 1/8-12 SAE Str. Thread Ports)
16T	Cartridge in Body No. B16-2-16T (1 1/8-12 SAE Straight Thread Ports)
12P	Cartridge in Body No. B16-2-12P (3/4" NPTF Ports)
16P	Cartridge in Body No. B16-2-16P (1" NPTF Ports)

SERVICE PARTS

Nitrile Seal Kit - SK16-2

Viton Seal Kit - SK16-2V