



120:1 ratio, pilot-to-close check valve

Capacity:
.05 in. (1,27 mm)

Functional Group:

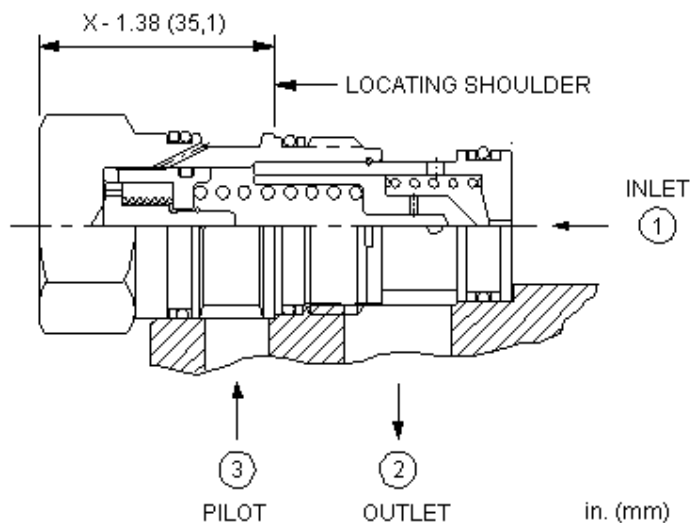
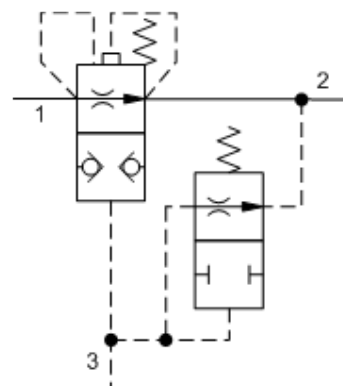
Products : Cartridges : Circuit Saver : 3-Port : Pilot-to-Close Check Valve, 120:1 Pilot Ratio,

Model:

COFO

Product Description

This valve is a pilot-to-close check cartridge that has a 120:1 pilot ratio. The valve is designed specifically to discharge an accumulator when the pump is turned off. With no pressure at the pump port (port 3), the valve is open between the accumulator (port 1) and tank (port 2). 60 psi (4 bar) at port 3 will close the valve for accumulator pressures up to 5000 psi (350 bar). When pump pressure at port 3 is below 300 psi (20 bar) there is a leak path from port 3 to tank (port 2) to ensure accumulator discharge when the pump is turned off. When pump pressure is above 300 psi (20 bar) the leak path closes for efficiency.

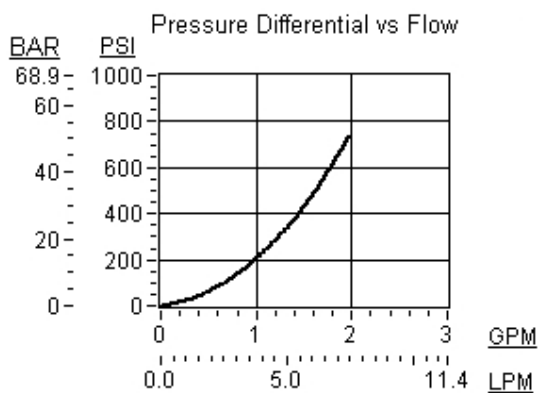


Technical Features

- Features hardened steel seats for excellent wear characteristics and contamination tolerance.
- Note: The discharge of the accumulator is across an .05 inch (1,27 mm) diameter orifice. The discharge time for large accumulators with low pre-charge pressures may be too long. In this case there are 2-valve circuits that greatly increase the capacity. See the Tech Tips (FAQs).
- The valve is a poppet design that results in very low leakage of stored fluid from the accumulator.
- Leakage of the pump signal only occurs when the pump is unloaded to below 300 psi (20 bar).
- Incorporates the Sun floating style construction to minimize the possibility of internal parts binding due to excessive installation torque and/or cavity/cartridge machining variations.

Technical Data

	U.S. Units	Metric Units
Cavity	T-2A	
Capacity	.05 in.	1,27 mm
Maximum Operating Pressure	5000 psi	350 bar
Maximum Valve Leakage at 110 SUS (24 cSt)	5 drops/min.	0,3 cc/min.
Series (from Cavity)	Series 2	
Valve Hex Size	1 1/8 in.	28,6 mm
Valve Installation Torque	45 - 50 lbf ft	60 - 70 Nm
Seal Kits - Cartridge	Buna: 990-202-007	
Seal Kits - Cartridge	Viton: 990-202-006	
Model Weight	0.49 lb.	0.22 kg.

**COFO-XDN****Control****Standard Options****X** Standard Pilot**Minimum Pilot Pressure****Standard Options****D** 60 psi (4 bar)**Seal Material****Standard Options**

N Buna-N
V Viton