

Pilot-to-open check valve with sealed pilot and Delrin seat

Capacity:
15 gpm (60
L/min.)

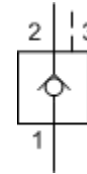
Functional Group:

Products : Cartridges : Pilot-to-Open Check : 3-Port, Non-Vented : Sealed Pilot, Delrin Seat

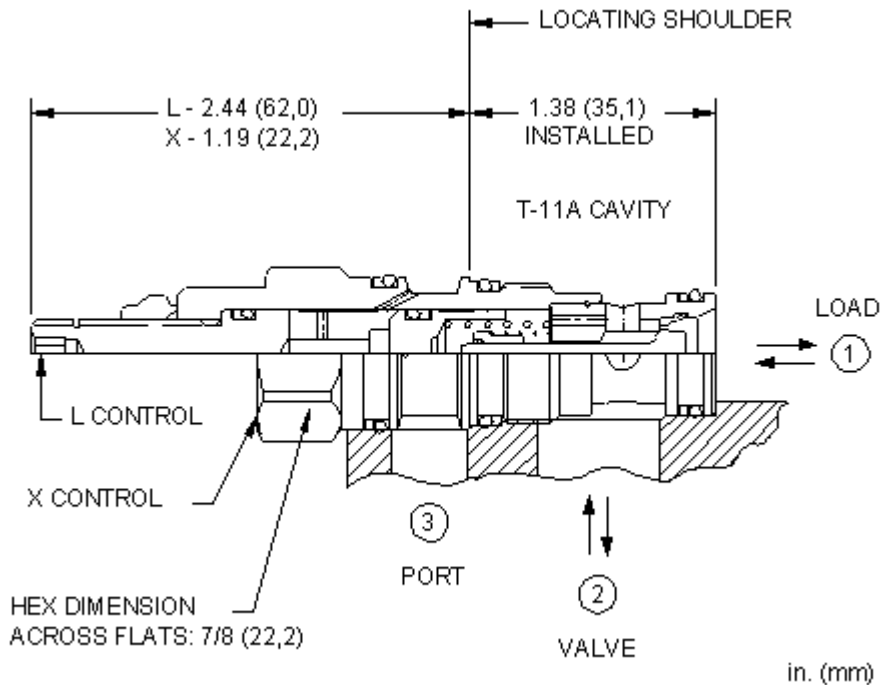
Model:
CKCC-XBV

Product Description

This valve is a pilot to open check valve. It has a sealed pilot, a Delrin seat, and is non-vented. It allows free flow from the valve (port 2) to the load (port 1) and blocks flow in the opposite direction. Pressure at the pilot (port 3) will open the valve from port 1 to port 2. Pilot pressure needed at port 3 to open the valve is directly proportional to the load pressure at port 1. Pressure at port 2 directly opposes pilot pressure.



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Technical Features

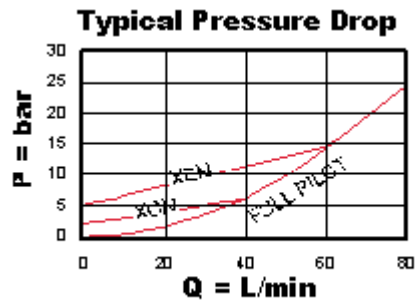
- Provides hose break protection, prevents loads from drifting and positively locks pressurized loads.
- Sealed pilot for use in circuits where cross port leakage is undesirable.
- Optional external porting out of the hex end of the cartridge is available for external piloting. In this configuration, port 3 is blocked. See Control options E, and P.
- The Delrin seat is suitable for dirty, medium
- Extremely low leakage. If the load drifts due to the valve, the seat has probably been damaged by contamination and the valve should be replaced.
- For models with manual load release control option, turn load release clockwise to release load.
- This 3 port pilot-to-open check valve and 3 port counterbalance valves are physically interchangeable (i.e. same cavities, same flow path for a given frame size). However, cartridge extension dimensions from the mounting surface may vary.
- Incorporates the Sun floating style construction to

pressure systems that are not subjected to high flows or temperatures.

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-11A
Capacity	15 gpm	60 L/min.
Pilot Ratio		3: 1
Maximum Operating Pressure	2500 psi	175 bar
Maximum Valve Leakage at 110 SUS (24 cSt)	1 drops/min.	0,07 cc/min.
Series (from Cavity)		Series 1
Valve Hex Size	7/8 in.	22,2 mm
Valve Installation Torque	30 - 35 lbf ft	45 - 50 Nm
Model Weight	0.28 lb.	0.13 kg.
Seal Kits - Cartridge		Buna: 990-011-007
Seal Kits - Cartridge		Viton: 990-011-006



CKCC-XBV

Control

Cracking Pressure

External Material/Seal Material

X Standard Pilot

B 15 psi (1 bar) +1.00

V Viton +5.00