

Pilot-to-open check valve with sealed pilot - insert style

Capacity:
7.5 gpm (30 L/min.)

Functional Group:

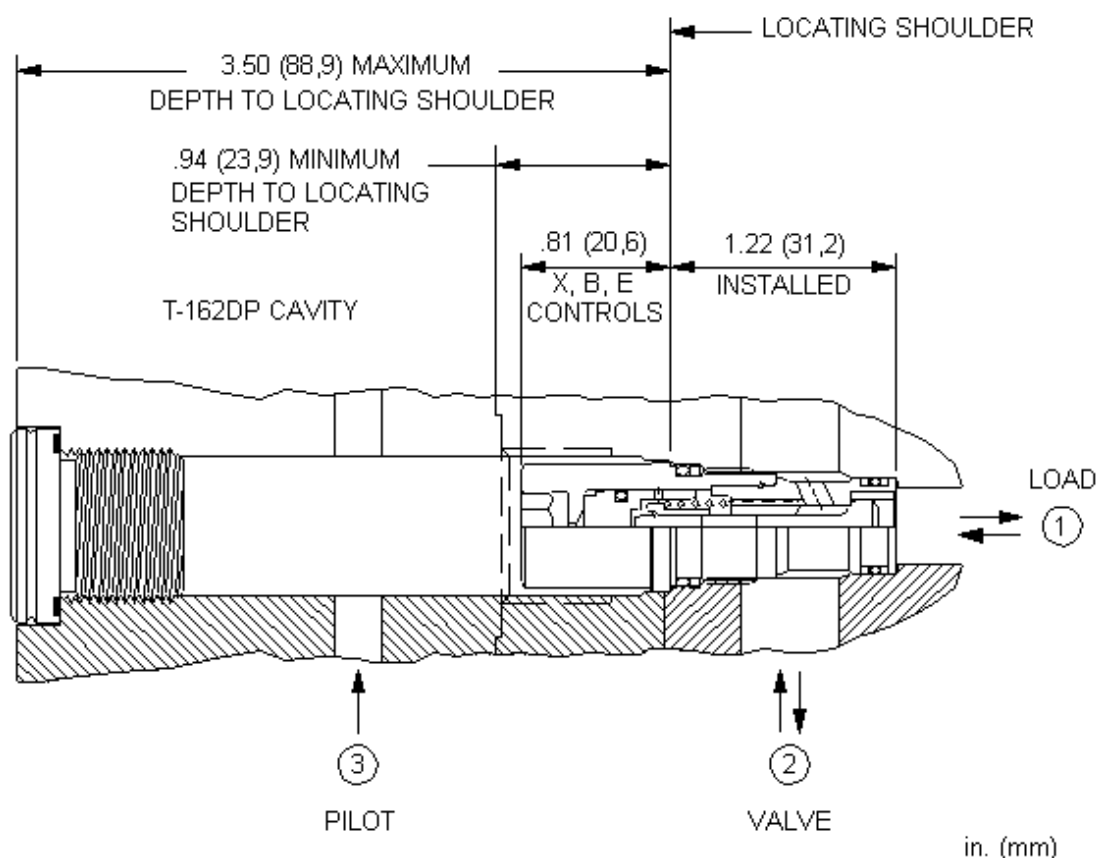
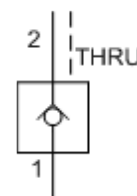
Products : Cartridges : Pilot-to-Open Check : 2-Port - Insert Style

Model:

CKBM

Product Description

This valve is a pilot to open check valve. It has a sealed pilot, a steel 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 will open the valve from port 1 to port 2. Pilot pressure needed at the pilot to open the valve is directly proportional to the load pressure at port 1. Pressure at port 2 directly opposes pilot pressure.



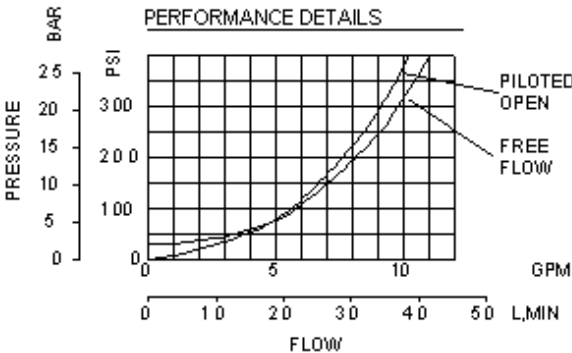
Technical Features

- This valve is what we call an Insert style. It is meant to be buried in a manifold or actuator. The cavity drawing for the T-162DP cavity contains a lot of detailed information and should be studied closely when applying this valve.
- Provides hose break protection, prevents loads from drifting and positively locks pressurized loads.
- Extremely low leakage. The seat and poppet are heat treated for long
- Note: Available only with 30 psi or 75 psi (2 bar or 5 bar) check valve cracking pressures.
- Pilot-to-open check cartridges are locking valves, not motion control valves. For motion control applications, use counterbalance valves.
- Incorporates the Sun floating style construction to minimize the

- life. If the load drifts due to the valve, the seat has probably been damaged by contamination and the valve should be replaced.
- possibility of internal parts binding due to excessive installation torque and/or cavity/cartridge machining variations.
- Sealed pilot for use in circuits where cross port leakage is undesirable.

Technical Data

	U.S. Units	Metric Units
Cavity	T-162DP	
Capacity	7.5 gpm	30 L/min.
Pilot Ratio	3:1	
Maximum Operating Pressure	5000 psi	350 bar
Maximum Valve Leakage at 110 SUS (24 cSt)	1 drops/min.	0,07 cc/min.
Series (from Cavity)	Series 0	
Valve Hex Size	3/4 in.	19,1 mm
Valve Installation Torque	20 - 25 lbf ft	27 - 33 Nm
Seal Kits - Cartridge	Buna: 990-162-007	
Seal Kits - Cartridge	Viton: 990-162-006	
Model Weight	0.14 lb.	0.06 kg.



CKBM-XCN

Control	Cracking Pressure	Seal Material
Standard Options	Standard Options	Standard Options
X Not Adustable, Standard Hydraulic Pilot	C 30 psi (2 bar)	N Buna-N
		V Viton

Stainless options not available for this model