



Free flow nose to side check valve with bypass orifice

Capacity:
180 gpm (680 L/min.)

Functional Group:

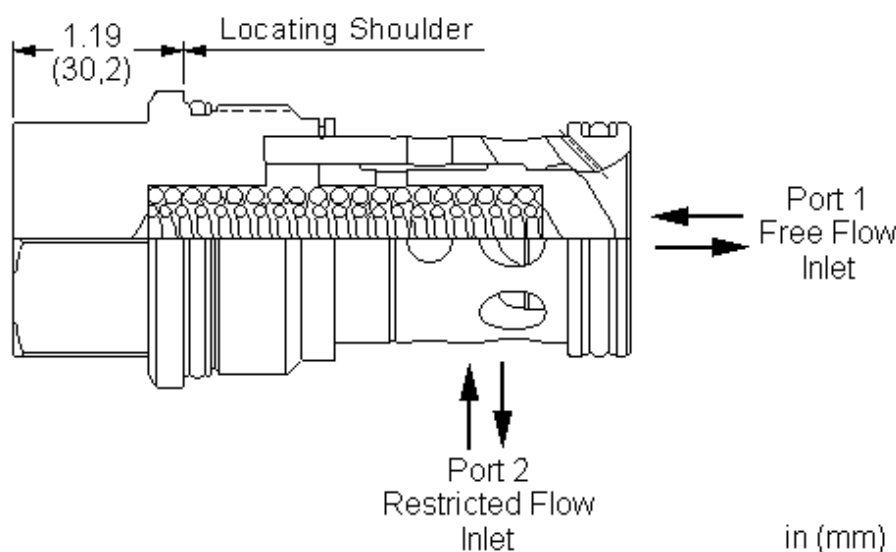
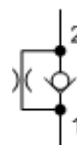
Products : Cartridges : Check : 2-Port : Bypass Orifice, Free Flow Nose to Side

Model:

CNKC

Product Description

Free-flow, nose-to-side check valves with a bypass orifice allow free flow from port 1 to port 2. A customer specified orifice is included to restrict flow from port 2 to port 1. See technical data below for orifice range.



Technical Features

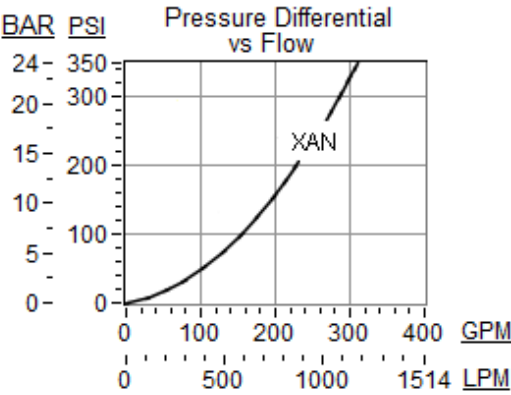
- Two-port check valves share the same cavity for a given frame size, however, pay close attention as flow paths may be in opposite directions.
- These valves will work in Sun's standard T-18A cavity at lower capacity. To realize the full stated capacity, the T-18AU cavity should be used.
- Will accept 5000 psi (350 bar) at ports 1 and 2.
- Valves with the opposite flow path (free flow from 2 to 1) are considered flow controls and may be found listed as fixed orifice, non-pressure compensated flow control valve with reverse flow check.
- The customer specified orifice diameter is stamped on one of the cartridge's hex faces.
- 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

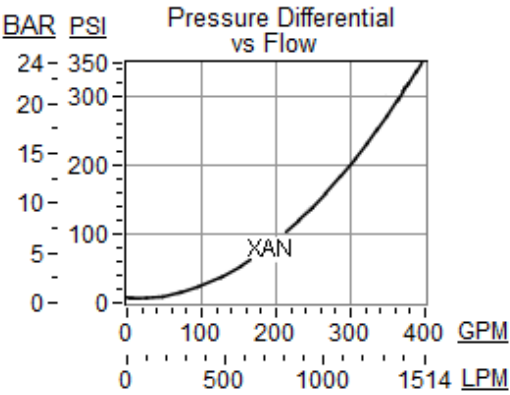
	U.S. Units	Metric Units
Cavity	T-18AU	
Capacity	180 gpm	680 L/min.
Maximum Operating Pressure	5000 psi	350 bar
Orifice Range	.016 - .354 in.	0,4 - 9 mm
Series (from Cavity)	Series 4	
Valve Hex Size	1 5/8 in.	41,3 mm

Valve Installation Torque	350 - 375 lbf ft	475 - 500 Nm
Model Weight	2.10 lb	0,95 kg
Seal Kits - Cartridge	Buna: 990-018-007	
Seal Kits - Cartridge	Viton: 990-018-006	

Model CNKC installed in T-18A Cavity



Model CNKC installed in T-18AU Cavity



CNKC-XAN

Control	Setting Range	Seal Material
Standard Options	Preferred Options	Standard Options
X Not Adjustable	A* 4 psi (0,3 bar) Cracking Pressure, .016 - .354 in. (0,4 - 9 mm)	N Buna-N
	Standard Options	V Viton
	Z* 1 psi (0,07 bar) Cracking Pressure, .016 - .354 in. (0,4 - 9 mm)	

* Special Setting required, specify at time of order