



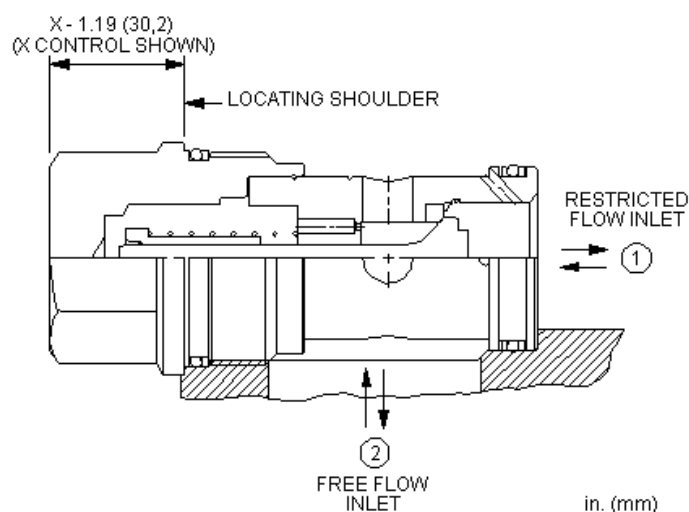
Fixed orifice, non-pressure compensated, flow control valve with reverse flow check

Capacity:
120 gpm (480
L/min.)

Model:
CN1C

Product Description

This valve is a fixed orifice, non-pressure compensated flow control with a reverse flow check. The flow setting is specified by the user and is set at the factory.

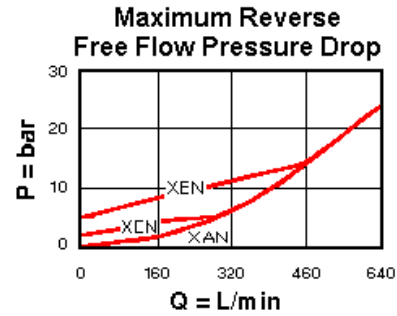
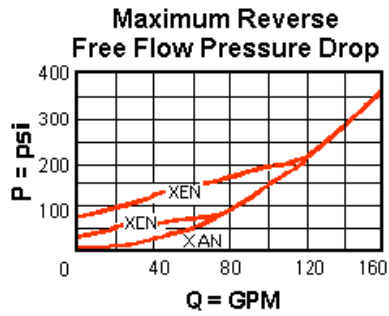


Technical Features

- Customer must specify the orifice diameter.
- All 2-port flow control cartridges are physically and functionally interchangeable (i.e. same flow path, same cavity for a given frame size). However, cartridge extension dimensions from the mounting surface may vary.
- These are essentially check valves with bypass orifices. The flow path matches Sun's flow controls and can be used in any flow control manifolds. Valves with the opposite direction of flow can be found under check valves with bypass orifices.
- Because these valves are non-compensating devices, the fixed orifice size will regulate flow through the valve in proportion to the square root of the pressure differential across ports 1 and 2.
- 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-18A	
Capacity	120 gpm	480 L/min.
Maximum Operating Pressure	5000 psi	350 bar
Orifice Range	.016 - .218 in.	0,4 - 5,5 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
Seal Kits - Cartridge	Buna: 990-018-007	
Seal Kits - Cartridge	Viton: 990-018-006	
Model Weight	2.00 lb.	0.91 kg.



CNIC-XCN

Control	Setting Range	Seal Material
Standard Options	Standard Options	Standard Options
X Not Adjustable	A* 4 psi (0,3 bar) Cracking Pressure, .016 - .218 in. (0,4 - 5,5 mm) B* 15 psi (1 bar) Cracking Pressure, .016 - .218 in. (0,4 - 5,5 mm) C* 30 psi (2 bar) Cracking Pressure, .016 - .218 in. (0,4 - 5,5 mm) D* 50 psi (3,5 bar) Cracking Pressure, .016 - .218 in. (0,4 - 5,5 mm) E* 75 psi (5 bar) Cracking Pressure, .016 - .218 in. (0,4 - 5,5 mm) F* 100 psi (7 bar) Cracking Pressure, .016 - .218 in. (0,4 - 5,5 mm)	N Buna-N V Viton
Additional Options		
	Z* 1 psi (0,07 bar) Cracking Pressure, .016 - .218 in. (0,4 - 5,5 mm)	

* Special Setting required, specify at time of order