

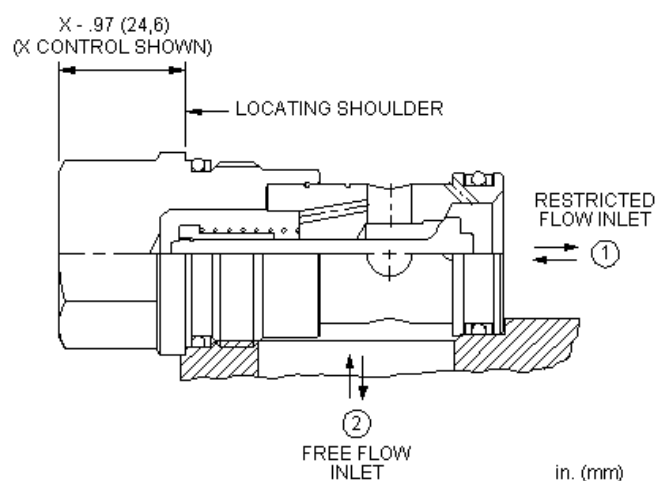


Fixed orifice, non-pressure compensated, flow control valve with reverse flow check

Capacity:
60 gpm (240
L/min.)
Model:
CNGC

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.



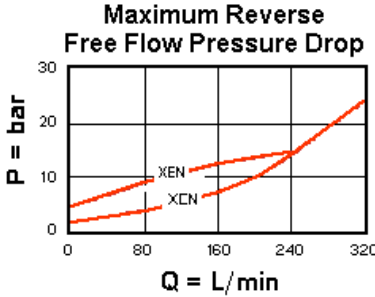
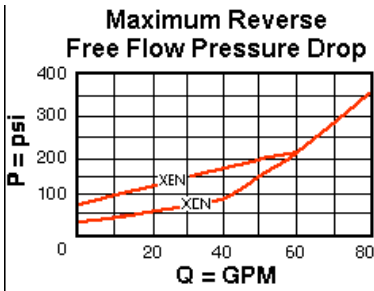
Technical Features

- 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.
- Corrosion resistant cartridge valves are intended for use in corrosive environments and are identified by the model code suffix /AP (see Option Selection below). External parts are made from stainless steel with titanium or brass components, where applicable. Internal parts are made from carbon steel leaded alloy, the same as standard valves. For further details, please see the Materials of Construction page.
- 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-16A	
Capacity	60 gpm	240 L/min.
Maximum Operating Pressure	5000 psi	350 bar
Orifice Range	.016 - .218 in.	0,4 - 5,5 mm
Series (from Cavity)	Series 3	
Valve Hex Size	1 1/4 in.	31,8 mm
Valve Installation Torque	150 - 160 lbf ft	200 - 215 Nm
Seal Kits - Cartridge	Buna: 990-016-007	

Seal Kits - Cartridge	Viton: 990-016-006	
Model Weight	1.01 lb.	0.46 kg.



CNGC-XCN

Control	Setting Range	Seal Material	Material/Coating Modifier
Standard Options	Standard Options	Standard Options	Preferred 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	No modifier (standard material with no special coating) Special Options / AP Stainless Steel, Passivated Control:X <i>Our stainless product line is growing! If you are interested in a stainless option for this model which is not shown please contact Sun.</i>
Additional Options			
		Setting Range	Seal Material
		Z* 1 psi (0,07 bar) Cracking Pressure, .016 - .218 in. (0,4 - 5,5 mm)	

When the modifier is /AP, the control must be X

* Special Setting required, specify at time of order