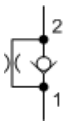
Free flow nose to side check valve with bypass orifice

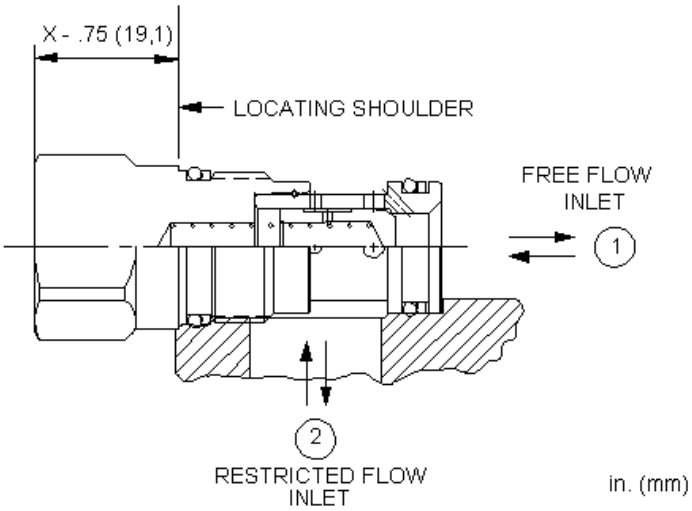
Capacity:
15 gpm (60 L/min.)

Model:
CNDC

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.



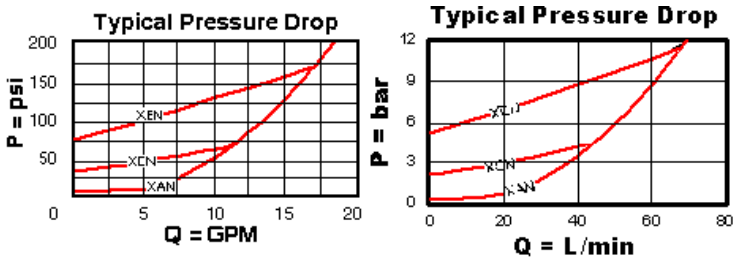


Technical Features

- 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.
- 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.
- 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-13A	
Capacity	15 gpm	60 L/min.
Maximum Operating Pressure	5000 psi	350 bar
Orifice Range	.016 - .107 in.	0,4 - 2,7 mm
Series (from Cavity)	Series 1	
Valve Hex Size	7/8 in.	22,2 mm
Valve Installation Torque	30 - 35 lbf ft	40 - 50 Nm
Seal Kits - Cartridge	Buna: 990-010-007	
Seal Kits - Cartridge	Viton: 990-010-006	
Model Weight	0.24 lb.	0.11 kg.



Note: Performance data shown reflects a blocked orifice.

CNDC-XCN

Control	Setting Range	Seal Material	Material/Coating Modifier
Standard Options	Standard Options	Standard Options	Preferred Options
L Manual Load Release X Not Adjustable	A* 4 psi (0,3 bar) Cracking Pressure, .016 - .107 in. (0,4 - 2,7 mm) B* 15 psi (1 bar) Cracking Pressure, .016 - .107 in. (0,4 - 2,7 mm) C* 30 psi (2 bar) Cracking Pressure, .016 - .107 in. (0,4 - 2,7 mm) D* 50 psi (3,5 bar) Cracking Pressure, .016 - .107 in. (0,4 - 2,7 mm) E* 75 psi (5 bar) Cracking Pressure, .016 - .107 in. (0,4 - 2,7 mm) F* 100 psi (7 bar) Cracking Pressure, .016 - .107 in. (0,4 - 2,7 mm)	N Buna-N V Viton	No modifier (standard material with no special coating) Special Options /AP Stainless Steel, Passivated Control:X *Our stainless product line is growing! If you are interested in a stainless option for this model which is not shown please contact Sun.*

Additional Options

Control	Setting Range	Seal Material
	Z* 1 psi (0,07 bar) Cracking Pressure, .016 - .107 in. (0,4 - 2,7 mm)	

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

* Special Setting required, specify at time of order