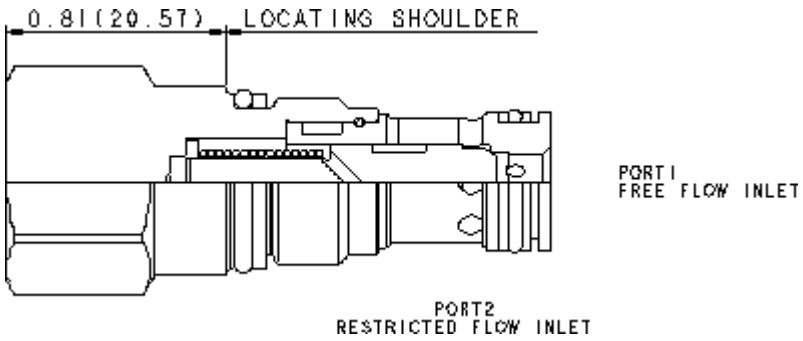


Free-flow, nose-to-side check valves with a bypass orifice allow free flow from port 1 to port 2. A customer specified orifice is included to restrict flow from port 2 to port 1. See technical data below for orifice range.

TECHNICAL DATA

NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

Cavity	T-162A
Series	0
Capacity	7.5 gpm
Maximum Operating Pressure	5000 psi
Orifice Range	.016 - .062 in.
Valve Hex Size	3/4 in.
Valve Installation Torque	20 - 25 lbf ft
Model Weight	0.17 lb.
Seal kit - Cartridge	Buna: 990-162-007
Seal kit - Cartridge	EPDM: 990-162-014
Seal kit - Cartridge	Polyurethane: 990-162-002
Seal kit - Cartridge	Viton: 990-162-006

OPTION SELECTION EXAMPLE: CNBCXCN

CONTROL	(X)
X	Not Adjustable

SETTING RANGE	(C)
C	30 psi (2 bar) Cracking Pressure, .016 - .062 in. (0,4 - 1,6 mm)
A	4 psi (0,3 bar) Cracking Pressure, .016 - .062 in. (0,4 - 1,6 mm)
B	15 psi (1 bar) Cracking Pressure, .016 - .062 in. (0,4 - 1,6 mm)
D	50 psi (3,5 bar) Cracking Pressure, .016 - .062 in. (0,4 - 1,6 mm)
E	75 psi (5 bar) Cracking Pressure, .016 - .062 in. (0,4 - 1,6 mm)
F	100 psi (7 bar) Cracking Pressure, .016 - .062 in. (0,4 - 1,6 mm)

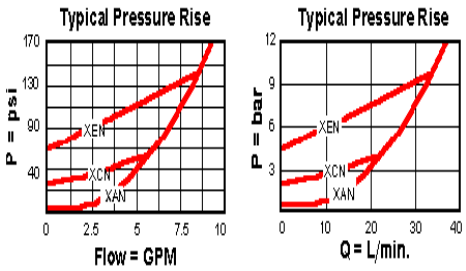
SEAL MATERIAL	(N)
N	Buna-N
E	EPDM
V	Viton

MATERIAL/COATING	
	Standard Material/Coating
/AP	Stainless Steel, Passivated
/LH	Mild Steel, Zinc-Nickel

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.
- Cartridges configured with EPDM seals are for use in systems with phosphate ester fluids. Exposure to petroleum based fluids, greases and lubricants will damage the seals.
- 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.

PERFORMANCE CURVES



Note: Performance data shown reflects a blocked orifice.