

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-16A
Series	3
Capacity	60 gpm
Maximum Operating Pressure	5000 psi
Orifice Range	.016 - .252 in.
Valve Hex Size	1 1/4 in.
Valve Installation Torque	150 - 160 lbf ft
Seal kit - Cartridge	Buna: 990-016-007
Seal kit - Cartridge	EPDM: 990-016-014
Seal kit - Cartridge	Polyurethane: 990-016-002
Seal kit - Cartridge	Viton: 990-016-006

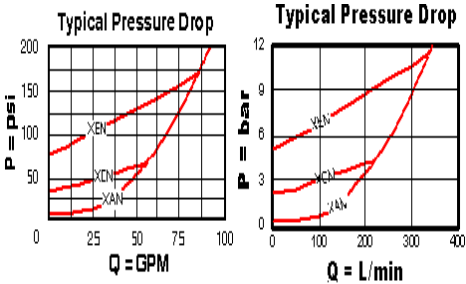
OPTION SELECTION EXAMPLE: CNHCXCN

CONTROL	(X)	SETTING RANGE	(C)	SEAL MATERIAL	(N)	MATERIAL/COATING
X Not Adjustable		C 30 psi (2 bar) Cracking Pressure, .016 - .252 in. (0,4 - 6,4 mm)		N Buna-N		Standard Material/Coating
		A 4 psi (0,3 bar) Cracking Pressure, .016 - .252 in. (0,4 - 6,4 mm)		E EPDM		/AP Stainless Steel, Passivated
		B 15 psi (1 bar) Cracking Pressure, .016 - .252 in. (0,4 - 6,4 mm)		V Viton		/LH Mild Steel, Zinc-Nickel
		D 50 psi (3,5 bar) Cracking Pressure, .016 - .252 in. (0,4 - 6,4 mm)				
		E 75 psi (5 bar) Cracking Pressure, .016 - .252 in. (0,4 - 6,4 mm)				
		F 100 psi (7 bar) Cracking Pressure, .016 - .252 in. (0,4 - 6,4 mm)				

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.
- 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.
- 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 or /LH (see CONFIGURATION section). 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.

PERFORMANCE CURVES



Note: Performance data shown reflects a blocked orifice.