



**CONFIGURATION**

<b>X</b>	Control	Not Adjustable
<b>C</b>	Cracking Pressure	30 psi (2 bar)
<b>N</b>	Seal Material	Buna-N
<b>(none)</b>	Material/Coating	Standard Material/Coating

Free-flow, nose-to-side check valves are on/off circuit components that allow free flow from the inlet (port 1) to the outlet (port 2) and block flow in the opposite direction.

**TECHNICAL DATA**

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

Cavity	T-18A
Series	4
Capacity	610 L/min.
Maximum Operating Pressure	350 bar
Maximum Valve Leakage at 110 SUS (24 cSt)	0,07 cc/min.
Valve Hex Size	41,3 mm
Valve Installation Torque	474 - 508 Nm
Seal kit - Cartridge	Buna: 990018007
Seal kit - Cartridge	EPDM: 990018014
Seal kit - Cartridge	Polyurethane: 990018002
Seal kit - Cartridge	Viton: 990018006
Model Weight	0.95 kg.

**CONFIGURATION OPTIONS**

Model Code Example: **CXJAXCN**

CONTROL	(X) CRACKING PRESSURE	(C) SEAL MATERIAL	(N) MATERIAL/COATING
<b>X</b> Not Adjustable	<b>C</b> 30 psi (2 bar)	<b>N</b> Buna-N	Standard Material/Coating
	<b>A</b> 4 psi (0,3 bar)	<b>E</b> EPDM	<b>/AP</b> Stainless Steel, Passivated
	<b>B</b> 15 psi (1 bar)	<b>V</b> Viton	<b>/LH</b> Mild Steel, Zinc-Nickel
	<b>D</b> 50 psi (3,5 bar)		
	<b>E</b> 75 psi (5 bar)		
	<b>F</b> 100 psi (7 bar)		
	<b>G</b> 150 psi (10,5 bar)		

**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.
- Check valves offer extremely low leakage rates with a maximum leakage of less than 1 drop per minute (0,07 cc/min).
- 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.
- 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**

