



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 | 160 gpm |
| Maximum Operating Pressure | 5000 psi |
| Maximum Valve Leakage at 110 SUS (24 cSt) | 1 drops/min. |
| Valve Hex Size | 1 5/8 in. |
| Valve Installation Torque | 350 - 375 lbf ft |
| Model Weight | 2.10 lb |
| Seal kit - Cartridge | Buna: 990-018-007 |
| Seal kit - Cartridge | EPDM: 990-018-014 |
| Seal kit - Cartridge | Polyurethane: 990-018-002 |
| Seal kit - Cartridge | Viton: 990-018-006 |

OPTION SELECTION EXAMPLE: CXJALXCN

| CONTROL | (L) CRACKING PRESSURE | (C) SEAL MATERIAL | (N) MATERIAL/COATING |
|------------------------------------|-----------------------------|-------------------|--|
| L Standard Screw Adjustment | C 30 psi (2 bar) | N Buna-N | Standard Material/Coating |
| X Not Adjustable | A 4 psi (0,3 bar) | E EPDM | /AP Stainless Steel, Passivated |
| | B 15 psi (1 bar) | V Viton | /LH Mild Steel, Zinc-Nickel |
| | D 50 psi (3,5 bar) | | |
| | F 100 psi (7 bar) | | |
| | G 150 psi (10,5 bar) | | |
| | Z 1 psi (0,07 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

