



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

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

| | |
|---|---------------------------|
| Cavity | T-16A |
| Series | 3 |
| Capacity | 60 gpm |
| Maximum Operating Pressure | 5000 psi |
| Maximum Valve Leakage at 110 SUS (24 cSt) | 1 drops/min. |
| Valve Hex Size | 1 1/4 in. |
| Valve Installation Torque | 150 - 160 lbf ft |
| Model Weight | 1.01 lb. |
| 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: CXGDXCN

| CONTROL | (X) | CRACKING PRESSURE | (C) | SEAL MATERIAL | (N) | MATERIAL/COATING |
|-------------------------|-----|---------------------------|-----|-----------------|-----|--|
| X Not Adjustable | | C 30 psi (2 bar) | | N Buna-N | | Standard Material/Coating |
| | | 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) | | | | |
| | | 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.
- These check valves are considered circuit savers for existing circuits where manifold drillings are incorrect. The capacity of side-to-nose (port 2 to port 1) 2-port check valves is approximately 30% less than preferred models with a nose-to-side (port 1 to port 2) flow path.
- 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.
- 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

