



Free flow nose to side check valve

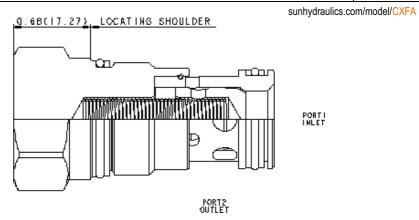
SERIES 2 / CAPACITY: 40 gpm / CAVITY: T-5A





#### **CONFIGURATION**

X	Control	Not Adjustable		
Z	Cracking Pressure	1 psi (0,07 bar)		
٧	Seal Material	Viton		
(none) 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-5A			
Series	2			
Capacity	40 gpm			
Maximum Operating Pressure	5000 psi			
Maximum Valve Leakage at 110 SUS (24 cSt)	1 drops/min.			
Valve Hex Size	1 1/8 in.			
Valve Installation Torque	45 - 50 lbf ft			
Seal kit - Cartridge	Buna: 990203007			
Seal kit - Cartridge	EPDM: 990203014			
Seal kit - Cartridge	Viton: 990203006			
Model Weight	0.41 lb.			

## **CONFIGURATION OPTIONS**

## Model Code Example: CXFAXZV

CONTROL	(X)	CRACKING PRESSURE	(Z)	SEAL MATERIAL	(V)	MATERIAL/COATING	
X Not Adjustable		<b>Z</b> 1 psi (0,07 bar)		<b>V</b> Viton		Standard Material/Coating	
		<b>A</b> 4 psi (0,3 bar)		N Buna-N		/AP Stainless Steel, Passivated	
		C 30 psi (2 bar)		E EPDM		/LH Mild Steel, Zinc-Nickel	
		<b>B</b> 15 psi (1 bar)					
		<b>D</b> 50 psi (3,5 bar)					
		E 75 psi (5 bar)					

# **TECHNICAL FEATURES**

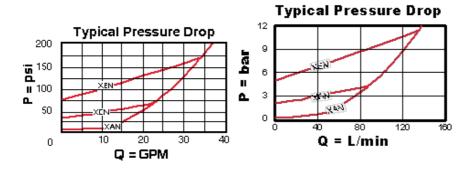
- Two-port check valves share the same cavity for a given frame size, however, pay close attention as flow paths may be in opposite directions.
- Check valves offer extremely low leakage rates with a maximum leakage of less than 1 drop per minute (0,07 cc/min).

F 100 psi (7 bar)

- 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

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