MODEL
CXGD

Free flow side to nose check valve
SERIES 3 / CAPACITY: 240 L/min. / CAVITY: T-16A

sunhydraulics.com/model/CXGD

CONFIGURATION

X	Control	Not Adjustable
E	Cracking Pressure	75 psi (5 bar)
N	Seal Material	Buna-N
(none)	Material/Coating	Standard Material/Coating

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	240 L/min.
Maximum Operating Pressure	350 bar
Maximum Valve Leakage at 110 SUS (24 cSt)	0,07 cc/min.
Valve Hex Size	31,8 mm
Valve Installation Torque	203 - 217 Nm
Seal kit - Cartridge	Buna: 990016007
Seal kit - Cartridge	EPDM: 990016014
Seal kit - Cartridge	Polyurethane: 990016002
Seal kit - Cartridge	Viton: 990016006
Model Weight	0.48 kg.

CONFIGURATION OPTIONS

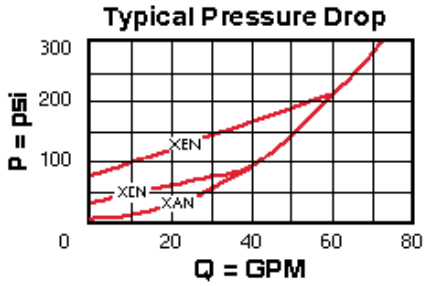
Model Code Example: CXGDXEN

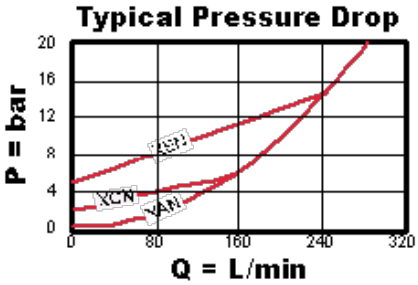
CONTROL (X)	CRACKING PRESSURE (E)	SEAL MATERIAL (N)	MATERIAL/COATING
X Not Adjustable	**E** 75 psi (5 bar)	**N** Buna-N	Standard Material/Coating
	C 30 psi (2 bar)	**E** EPDM	**/AP** Stainless Steel, Passivated
	A 4 psi (0,3 bar)	**V** Viton	**/LH** Mild Steel, Zinc-Nickel
	B 15 psi (1 bar)		
	D 50 psi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





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