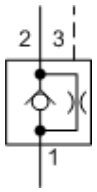
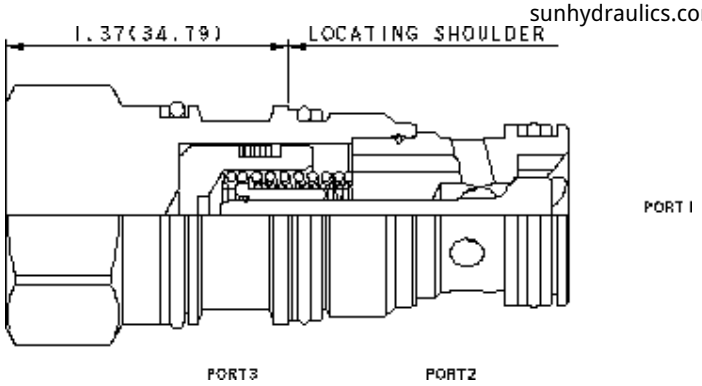
MODEL
CNEE

Pilot-to-open check valve with bypass orifice
SERIES 2 / CAPACITY: 120 L/min. / CAVITY: T-2A

sunhydraulics.com/model/CNEE





CONFIGURATION

X	Control	Not Adjustable
C	Setting Range	30 psi (2 bar) Cracking Pressure, .016 - .135 in. (0,4 - 3,4 mm)
N	Seal Material	Buna-N

This valve is a pilot to open check valve with a bypass orifice. It incorporates a sealed pilot, a steel seat, and is non-vented. It allows free flow from the valve (port 2) to the load (port 1) and restricts flow in the opposite direction. Pressure at the pilot (port 3) will open the valve from port 1 to port 2. The pilot pressure needed at port 3 to open the valve is directly proportional to the load pressure at port 1. Pressure at port 2 directly opposes the pilot pressure. Note: The bypass orifice diameter is specified by the customer. See Technical Data below for the allowable orifice range.

TECHNICAL DATA

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

Cavity	T-2A
Series	2
Capacity	120 L/min.
Maximum Operating Pressure	350 bar
Pilot Ratio	3:1
Orifice Range	0,4 - 3,4 mm
Valve Hex Size	28,6 mm
Valve Installation Torque	61 - 68 Nm
Seal kit - Cartridge	Buna: 990202007
Seal kit - Cartridge	Polyurethane: 990002002
Seal kit - Cartridge	Viton: 990202006
Model Weight	0.24 kg.

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CONFIGURATION OPTIONS

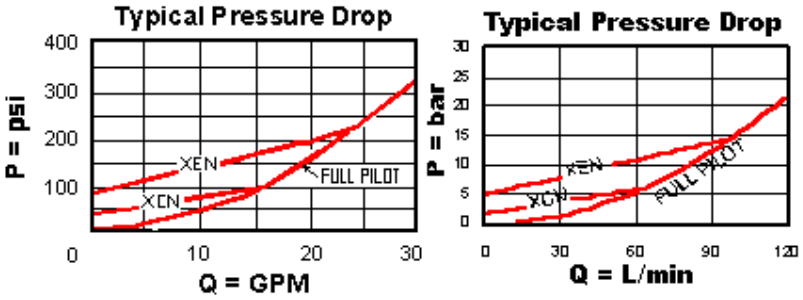
Model Code Example: CNEEXCN

CONTROL (X)	SETTING RANGE (C)	SEAL MATERIAL (N)
X Not Adjustable	**C** 30 psi (2 bar) Cracking Pressure, .016 - .135 in. (0,4 - 3,4 mm)	**N** Buna-N
	A 4 psi (0,3 bar) Cracking Pressure, .016 - .135 in. (0,4 - 3,4 mm)	**V** Viton
	B 15 psi (1 bar) Cracking Pressure, .016 - .135 in. (0,4 - 3,4 mm)	
	D 50 psi (3,5 bar) Cracking Pressure, .016 - .135 in. (0,4 - 3,4 mm)	
	E 75 psi (5 bar) Cracking Pressure, .016 - .135 in. (0,4 - 3,4 mm)	
	F 100 psi (7 bar) Cracking Pressure, .016 - .135 in. (0,4 - 3,4 mm)	

TECHNICAL FEATURES

- This 3 port pilot-to-open check valve and 3 port counterbalance valves are physically interchangeable (i.e. same cavities, same flow path for a given frame size). However, cartridge extension dimensions from the mounting surface may vary.
- Sealed pilot for use in circuits where cross port leakage is undesirable.
- The customer specified orifice diameter is stamped on one of the cartridge's hex faces.
- For models with manual load release control option, turn load release clockwise to release load.
- 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



Note: Performance data shown reflects a blocked orifice.

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