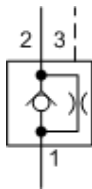
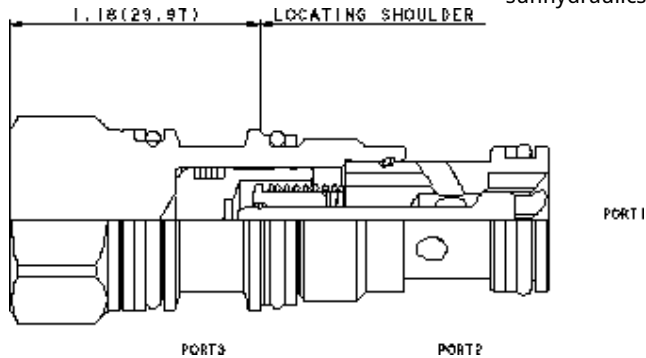




CONFIGURATION

X Control	Not Adjustable
C Setting Range	30 psi (2 bar) Cracking Pressure, .016 - .153 in. (0,4 - 3,9 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-11A
Series	1
Capacity	15 gpm
Maximum Operating Pressure	5000 psi
Pilot Ratio	3:1
Orifice Range	.016 - .153 in.
Valve Hex Size	7/8 in.
Valve Installation Torque	30 - 35 lbf ft
Seal kit - Cartridge	Buna: 990011007
Seal kit - Cartridge	Polyurethane: 990011002
Seal kit - Cartridge	Viton: 990011006
Model Weight	0.28 lb.

CONFIGURATION OPTIONS

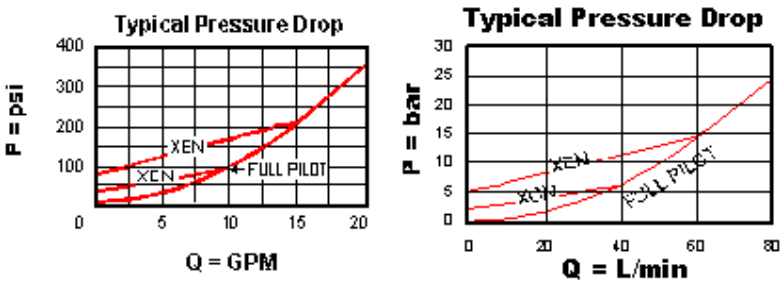
Model Code Example: CNCEArray

CONTROL	(X) SETTING RANGE	(C) SEAL MATERIAL	(N)
X Not Adjustable	C 30 psi (2 bar) Cracking Pressure, .016 - .153 in. (0,4 - 3,9 mm)	N Buna-N	
	A 4 psi (0,3 bar) Cracking Pressure, .016 - .153 in. (0,4 - 3,9 mm)	V Viton	
	B 15 psi (1 bar) Cracking Pressure, .016 - .153 in. (0,4 - 3,9 mm)		
	D 50 psi (3,5 bar) Cracking Pressure, .016 - .153 in. (0,4 - 3,9 mm)		
	E 75 psi (5 bar) Cracking Pressure, .016 - .153 in. (0,4 - 3,9 mm)		
	F 100 psi (7 bar) Cracking Pressure, .016 - .153 in. (0,4 - 3,9 mm)		

TECHNICAL FEATURES

- 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.
- 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.
- 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.