



This valve is a pilot to open check valve with a bypass orifice. It has a sealed pilot, a steel seat, and is vented. It allows free flow from the valve (port 2) to the load (port 1) and blocks flow in the opposite direction. Pressure at the pilot (port 3) pilot port will open the valve from port 1 to port 2. Pilot pressure needed to open the valve is directly proportional to the load pressure at port 1. The valve is insensitive to pressure at port 2 because the spring chamber is referenced out the back of the hex body. 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.

Pilot Ratio	3:1
Orifice Range	0,4 - 2,4 mm
Seal kit - Cartridge	Buna: 990017007
Seal kit - Cartridge	Polyurethane: 990017002
Seal kit - Cartridge	Viton: 990017006

CONFIGURATION OPTIONS

Model Code Example: CNGVXCN

CONTROL	(X)	SETTING RANGE	(C)	SEAL MATERIAL	(N)
X Standard Pilot		C 30 psi (2 bar) Cracking Pressure, .016 - .094 in. (0,4 - 2,4 mm)		N Buna-N	
		A 4 psi (0,3 bar) Cracking Pressure, .016 - .094 in. (0,4 - 2,4 mm)		V Viton	
		B 15 psi (1 bar) Cracking Pressure, .016 - .094 in. (0,4 - 2,4 mm)			
		D 50 psi (3,5 bar) Cracking Pressure, .016 - .094 in. (0,4 - 2,4 mm)			
		E 75 psi (5 bar) Cracking Pressure, .016 - .094 in. (0,4 - 2,4 mm)			
		F 100 psi (7 bar) Cracking Pressure, .016 - .094 in. (0,4 - 2,4 mm)			