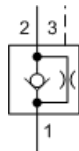




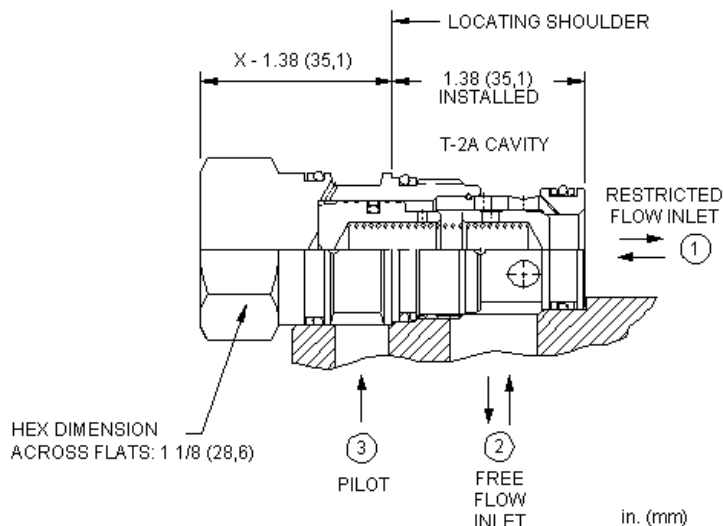
MODEL
CNFE

Pilot-to-close check valve with bypass orifice
CAPACITY: 160 L/min. | **CAVITY:** T-2A



CONFIGURATION

X	Control	Not Adjustable
C	Setting Range	30 psi (2 bar) Cracking Pressure, .016 - .127 in. (0,4 - 3,2 mm)
N	Seal Material	Buna-N



This valve is a spring biased closed, pilot-to-close check cartridge with a bypass orifice. It incorporates a steel seat and is non-vented. The valve allows flow from port 1 to port 2 and restricts flow from port 2 to port 1. Pressure at the pilot (port 3) opposes pressure at port 1 at a ratio of 1.8:1. 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

Cavity	T-2A
Series	2
Capacity	160 L/min.
Pilot Ratio	1.8:1
Orifice Range	0,4 - 3,2 mm
Valve Hex Size	28,6 mm
Valve Installation Torque	61 - 68 Nm
Seal kit - Cartridge	Buna: 990-202-007
Seal kit - Cartridge	Polyurethane: 990-002-002
Seal kit - Cartridge	Viton: 990-202-006
Model Weight	0.23 kg.

TECHNICAL FEATURES

- Features hardened steel seats for excellent wear characteristics and contamination tolerance.
- Nominal pilot ratio is 1.8:1. This means that a pressure of 1000 psi (70 bar) at the pilot port will close a valve against a pressure of 1800 psi (125 bar) at port 1. Any decay or loss of pilot pressure could allow the valve to open, even if it is a momentary decay or loss.
- Pressure at the port 2 area directly opposes pilot pressure.
- With equal pressures at all ports the valve is closed.
- 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.

CONFIGURATION OPTIONS

CONTROL

Standard Options	X	Not Adjustable	07.2014
SETTING RANGE			
Standard Options	A	4 psi (0,3 bar) Cracking Pressure, .016 - .127 in. (0,4 - 3,2 mm)	
	B	15 psi (1 bar) Cracking Pressure, .016 - .127 in. (0,4 - 3,2 mm)	
	C	30 psi (2 bar) Cracking Pressure, .016 - .127 in. (0,4 - 3,2 mm)	
	D	50 psi (3,5 bar) Cracking Pressure, .016 - .127 in. (0,4 - 3,2 mm)	
	E	75 psi (5 bar) Cracking Pressure, .016 - .127 in. (0,4 - 3,2 mm)	
	F	100 psi (7 bar) Cracking Pressure, .016 - .127 in. (0,4 - 3,2 mm)	
SEAL MATERIAL			
Standard Options	N	Buna-N	
	V	Viton	
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