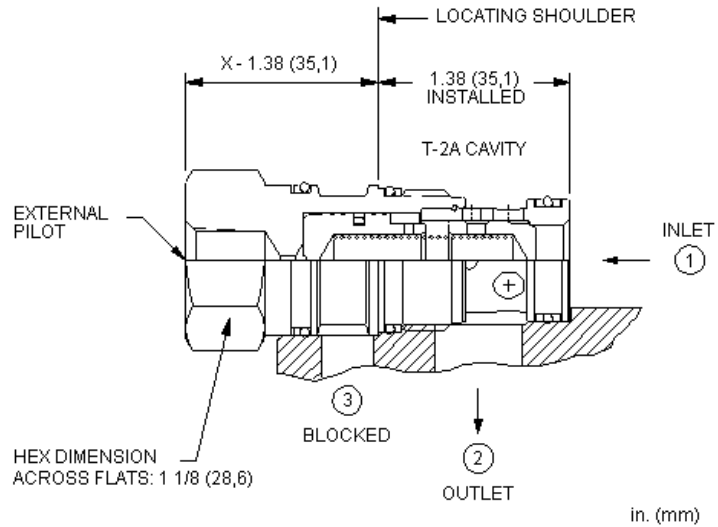
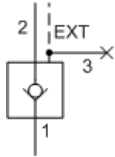


MODEL  
COFC

Pilot-to-close check valve with external pilot port and port 3 blocked  
CAPACITY: 160 L/min. | CAVITY: T-2A



**CONFIGURATION**

<b>X</b>	Control	External 1/4 NPTF Port, Port 3 blocked
<b>C</b>	Cracking Pressure	30 psi (2 bar)
<b>N</b>	Seal Material	Buna-N

This valve is a spring biased closed, pilot-to-close check cartridge that has a 1.8:1 pilot ratio. The valve allows flow from port 1 to port 2 and blocks reverse flow. Pressure at the external pilot port opposes pressure at port 1 at a ratio of 1.8:1. Port 3 is blocked.

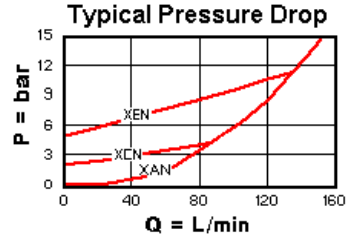
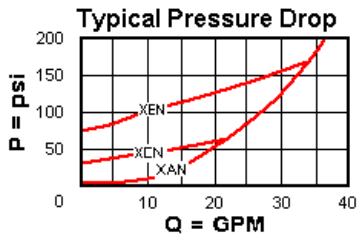
**TECHNICAL DATA**

Cavity	T-2A
Series	2
Capacity	160 L/min.
Pilot Ratio	1.8:1
Maximum Operating Pressure	350 bar
Maximum Valve Leakage at 110 SUS (24 cSt)	0,07 cc/min.
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	0.21 kg.

**TECHNICAL FEATURES**

- 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.
- Reverse flow through the valve from port 2 to port 1 is not possible under any condition.
- 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.

**PERFORMANCE CURVES**




---

## CONFIGURATION OPTIONS

### CONTROL

Standard Options	X	External 1/4 NPTF Port, Port 3 blocked
------------------	---	--

### CRACKING PRESSURE

Standard Options	A	4 psi (0,3 bar)
	B	15 psi (1 bar)
	C	30 psi (2 bar)
	D	50 psi (3,5 bar)
	E	75 psi (5 bar)
	F	100 psi (7 bar)

### SEAL MATERIAL

Standard Options	N	Buna-N
	V	Viton

Copyright © 2002-2014 Sun Hydraulics Corporation. All rights reserved.