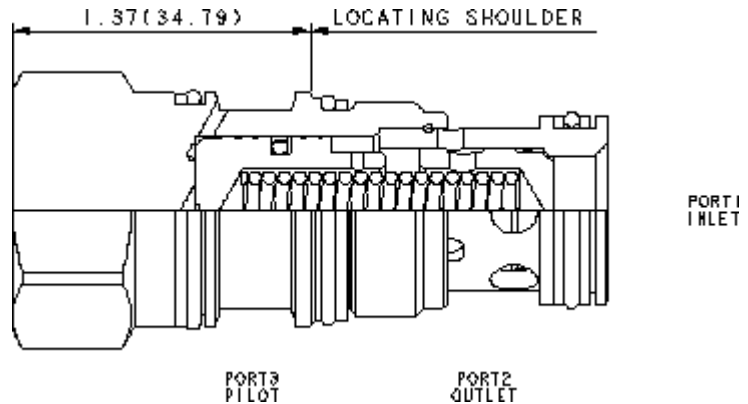


CONFIGURATION

X Control	Standard Pilot
E Cracking Pressure	75 psi (5 bar)
N Seal Material	Buna-N
Material/Coating	



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 pilot port opposes pressure at port 1 at a ratio of 1.8:1. This valve is most often used in regeneration circuits.

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

Cavity	T-2A
Series	2
Capacity	40 gpm
Maximum Operating Pressure	5000 psi
Pilot Ratio	1.8:1
Maximum Valve Leakage at 110 SUS (24 cSt)	1 drops/min.
Valve Hex Size	1 1/8 in.
Valve Installation Torque	45 - 50 lbf ft
Model Weight	0.50 lb.
Seal kit - Cartridge	Buna: 990-202-007
Seal kit - Cartridge	EPDM: 990-202-014
Seal kit - Cartridge	Polyurethane: 990-002-002
Seal kit - Cartridge	Viton: 990-202-006

OPTION SELECTION EXAMPLE: COFAXEN

CONTROL	(X)	CRACKING PRESSURE	(E)	SEAL MATERIAL	(N)	MATERIAL/COATING	(/LH)
X Standard Pilot		E 75 psi (5 bar)		N Buna-N		/LH Mild Steel, Zinc-Nickel	
		A 4 psi (0,3 bar)		E EPDM		/AP Stainless Steel, Passivated	
		B 15 psi (1 bar)		V Viton		Standard Material/Coating	
		C 30 psi (2 bar)					
		D 50 psi (3,5 bar)					
		F 100 psi (7 bar)					
		J 135 psi (9,5 bar)					

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.
- In the beginning the CO*A's did not have a positive seal on the pilot pistons and the CO*B's did. Now the CO*A's are positively sealed and the 2 valves are mechanically identical. CO*A's are more readily available and cost less.
- Cartridges configured with EPDM seals are for use in systems with phosphate ester fluids. Exposure to petroleum based fluids, greases and lubricants will damage the seals.
- Corrosion resistant cartridge valves are intended for use in corrosive environments and are identified by the model code suffix /AP or /LH (see CONFIGURATION section). For further details, please see the Materials of Construction page under TECHNICAL RESOURCES.
- 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

