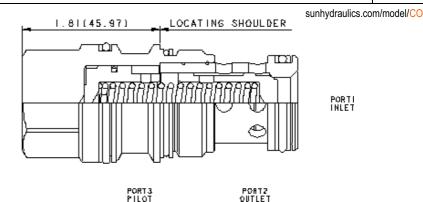


2 3

# CONFIGURATION

Х	Control	Standard Pilot	
С	Cracking Pressure	30 psi (2 bar)	
۷	Seal Material	Viton	
(none) Material/Coating		Standard 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-17A	
Series	3	
Capacity	320 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	31,8 mm	
Valve Installation Torque	203 - 217 Nm	
Seal kit - Cartridge	Buna: 990017007	
Seal kit - Cartridge	Polyurethane: 990017002	
Seal kit - Cartridge	Viton: 990017006	
Model Weight	0.50 kg.	

## **CONFIGURATION OPTIONS**

## Model Code Example: COHAXCV

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

G 150 psi (10,5 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 begining 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.
- 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**

