

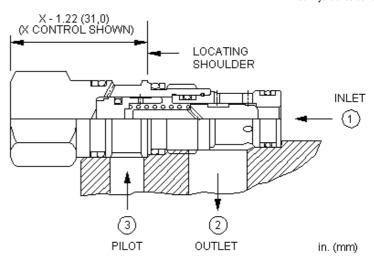
MODEL COBA



sunhydraulics.com/model/COBA







This valve is a spring biased closed, pilot-to-close check cartridge that has a 3:1 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 3:1. This valve is most often used in regeneration circuits.

TECHNICAL DATA

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

Cavity	T-163A			
Series	0			
Capacity	40 L/min.			
Pilot Ratio	3:1			
Maximum Operating Pressure	350 bar			
Maximum Valve Leakage at 110 SUS (24 cSt)	0,07 cc/min.			
Valve Hex Size	19,1 mm			
Valve Installation Torque	27 - 33 Nm			
Seal kit - Cartridge	Buna: 990163007			
Seal kit - Cartridge	EPDM: 990163014			
Seal kit - Cartridge	Polyurethane: 990163002			
Seal kit - Cartridge	Viton: 990163006			
Model Weight	0.09 kg.			

CONFIGURATION OPTIONS

Model Code Example: COBAXCN

CONTROL ()		(X)	CRACKING PRESSURE	(C)	SEAL MATERIAL	(N)	MATERIAL/COATING
Х	Standard Pilot		C 30 psi (2 bar)		N Buna-N		Standard Material/Coating
В	External 1/4 BSPP Pilot Port, Port 3		D 50 psi (3,5 bar)		E EPDM		/AP Stainless Steel, Passivated
	blocked		E 75 psi (5 bar)		V Viton		/LH Mild Steel, Zinc-Nickel
			F 100 psi (7 bar)				

TECHNICAL FEATURES

- · Features hardened steel seats for excellent wear characteristics and contamination tolerance.
- Product is not available with A and B spring ranges (4 and 15 psi (0,3 and 1 bar)).
- 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.
- Nominal pilot ratio is 3:1. This means that a pressure of 1000 psi (70 bar) at the pilot port will close a valve against a pressure of 3000 psi (205 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.
- 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.
- 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

