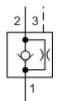
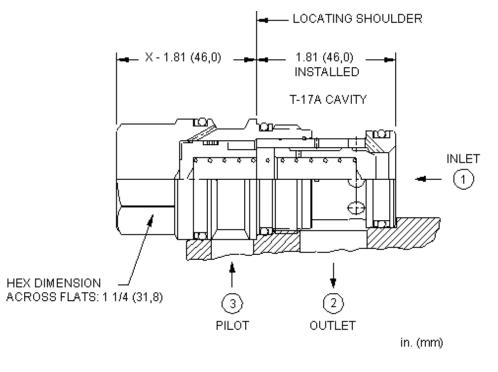


MODEL



sunhydraulics.com/model/CNHE





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.

Cavity	T-17A	
Series	3	
Capacity	80 gpm	
Orifice Range	.016252 in.	
Valve Hex Size	1 1/4 in.	
Valve Installation Torque	150 - 160 lbf ft	
Seal kit - Cartridge	Buna: 990-017-007	
Seal kit - Cartridge	Polyurethane: 990-017-002	
Seal kit - Cartridge	Viton: 990-017-006	

FIGURATION. SEE CONFIGURATION SECTION.
FIGURATION. SEE CONFIGURATION SECTION

OPTION SELECTION EXAMPLE: CNHEXCN

CONTROL	(X)	SETTING RANGE	(C)	SEAL MATERIAL	(N)
X Not Adjustable		C 30 psi (2 bar) Cracking Pressure - 6,4 mm)	e, .016252 in. (0,4	N Buna-N V Viton	
		A 4 psi (0,3 bar) Cracking Pressur (0,4 - 6,4 mm)	e, .016252 in.		
		 B 15 psi (1 bar) Cracking Pressure - 6,4 mm) 	e, .016252 in. (0,4		
		 D 50 psi (3,5 bar) Cracking Pressu (0,4 - 6,4 mm) 	ıre, .016252 in.		
		 F 75 psi (5 bar) Cracking Pressure - 6,4 mm) 	e, .016252 in. (0,4		
		 F 100 psi (7 bar) Cracking Pressul (0,4 - 6,4 mm) 	re, .016252 in.		

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.