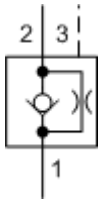

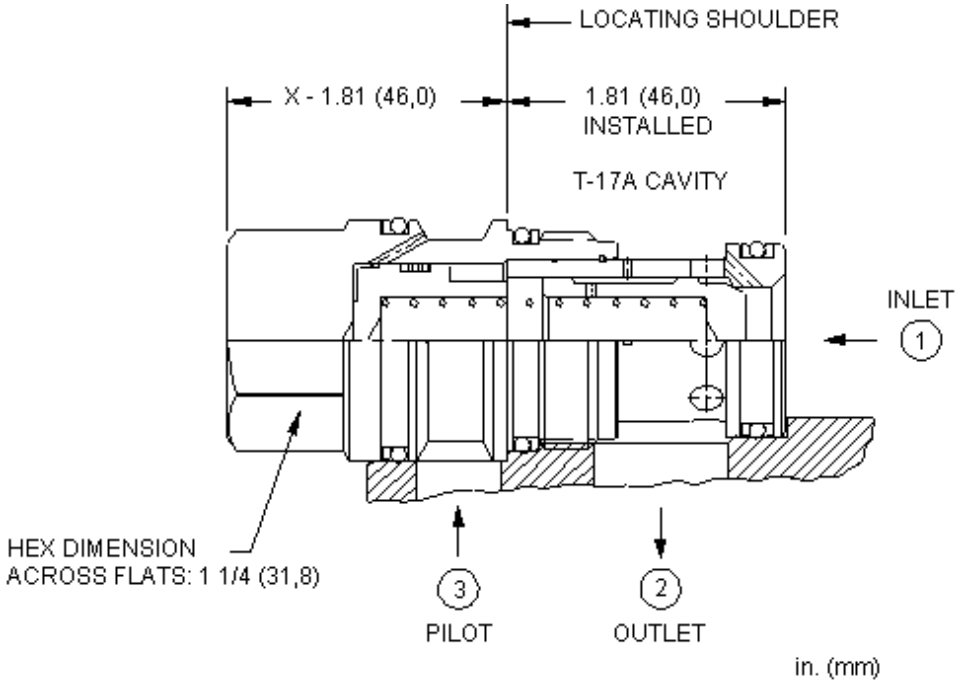

This valve is a spring biased closed, pilot-to-close check cartridge with a bypass orifice. It incorporates a steel seat and is non-vented. The valve allows flow from port 1 to port 2 and restricts flow from port 2 to port 1. Pressure at the pilot (port 3) opposes pressure at port 1 at a ratio of 1.8:1. 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.

TECHNICAL DATA

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

Cavity	T-17A
Series	3
Capacity	80 gpm
Orifice Range	.016 - .252 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

OPTION SELECTION EXAMPLE: CNHEXCNV

CONTROL	(X)
X	Not Adjustable

SETTING RANGE	(C)
C	30 psi (2 bar) Cracking Pressure, .016 - .252 in. (0,4 - 6,4 mm)
A	4 psi (0,3 bar) Cracking Pressure, .016 - .252 in. (0,4 - 6,4 mm)
B	15 psi (1 bar) Cracking Pressure, .016 - .252 in. (0,4 - 6,4 mm)
D	50 psi (3,5 bar) Cracking Pressure, .016 - .252 in. (0,4 - 6,4 mm)
E	75 psi (5 bar) Cracking Pressure, .016 - .252 in. (0,4 - 6,4 mm)
F	100 psi (7 bar) Cracking Pressure, .016 - .252 in. (0,4 - 6,4 mm)

SEAL MATERIAL	(N)
N	Buna-N
V	Viton

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.