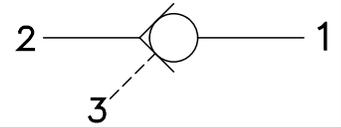
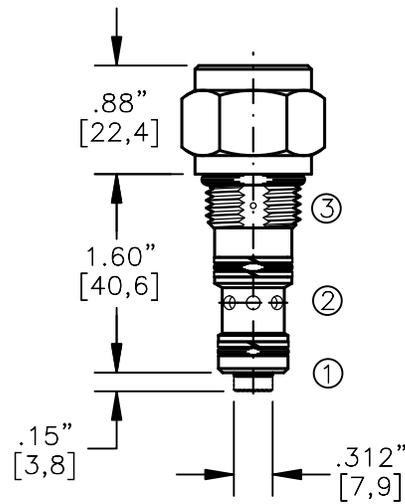
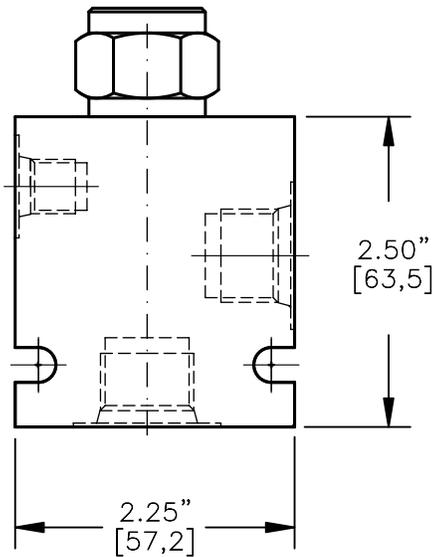
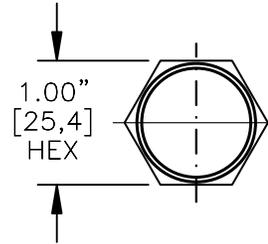


PILOT OPERATED CHECK VALVE POPPET TYPE,  
PILOT TO OPEN, 3 TO 1 PILOT RATIO



TORQUE:

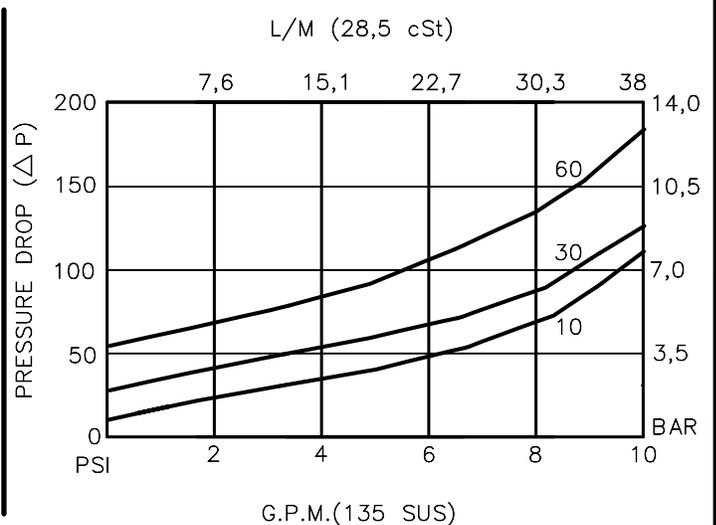
Steel = 35/40 Ft-Lb. [47/54 Nm]  
Aluminum = 25/30 Ft-Lb. [34/41 Nm]



NOTE: CAVITY BOTTOM HOLE MUST ALLOW FOR POPPET EXTENSION (.500 DIA.).  
FOR ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0-021-1.

**POCI-08-X-F-X-XXX**

- BASIC
- SIZE  
08 = 3/4"-16 UNF
- SEALS  
N = BUNA "N"  
V = VITON
- ADJUSTMENT  
F = FIXED
- CRACK PRESSURE  
010 = 10 PSI  
030 = 30 PSI  
060 = 60 PSI
- PORTS  
0 = CARTRIDGE ONLY  
03BX = G 3/8" BSPP  
08TX = SAE - #8  
"A" - ALUM. HOUSING  
"S" - STEEL HOUSING



## PILOT OPERATED CHECK VALVE POPPET TYPE, PILOT TO OPEN, 3 TO 1 PILOT RATIO.

### DESCRIPTION

This unit is a SCREW IN, cartridge type, guided poppet, hydraulic pilot operated check valve, for use as a blocking or load holding device for high pressure applications.

### OPERATIONS

This valve allows free flow from port 2 to port 1 and blocks flow from port 1 to port 2 or holding a load. Flow will be allowed from port 1 to port 2 when pressure is applied to port 3. This pilot operated check valve has a 3 to 1 pilot ratio, meaning that it takes at least one-third of the load pressure held at port 1 that is required at port 3 to open the valve.

### FEATURES AND BENEFITS

A low friction seal on pilot piston is standard.  
A separate heavy spring assures fast return of the pilot piston for a very quick, reliable and positive valve re-seat.  
All external carbon steel parts are plated for longer life against the elements.  
All cartridge valves are 100% functionally tested.  
Industry common cavity.

### SPECIFICATIONS

OPERATING PRESSURE: 5,000 PSI [350 Bar]  
PROOF PRESSURE: 10,000 PSI [700 Bar]  
FLOW: 10.0 GPM [38 l/m] nominal. See performance chart.  
PILOT RATIO: 3 TO 1  
INTERNAL LEAKAGE: 5 drops per minute maximum @ 5,000 PSI [350 Bar]  
VALVE HOUSINGS: 2500 PSI [175 Bar] = Aluminum – Anodized.  
5000 PSI [350 Bar] = Steel – Unplated.  
OPERATING TEMPERATURE: -40° to +250° F. [-40° to +120° C.]  
OPERATING MEDIA: All general purpose hydraulic fluids such as MIL-H-5606, SAE-#10, SAE-#20, etc.  
INSTALLATION: No restrictions.  
SEAL KIT: SKN-0828 Buna "N"  
SKV-0828 Viton  
WEIGHT: .26 lb [.12 kg] cartridge only.  
VALVE CAVITY: #C0825, See Page 0-021.0.

info.el@bucherhydraulics.com

[www.bucherhydraulics.com/commoncavity](http://www.bucherhydraulics.com/commoncavity)

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