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

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" BSP
08TX = SAE - #8

"A" = ALUM. HOUSING
"S" = STEEL HOUSING

PRESSURE DROP (Δ P) vs GPM (135 SUS)

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

Reference: 520-P-011010-EN-00/09.2015