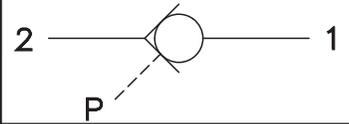
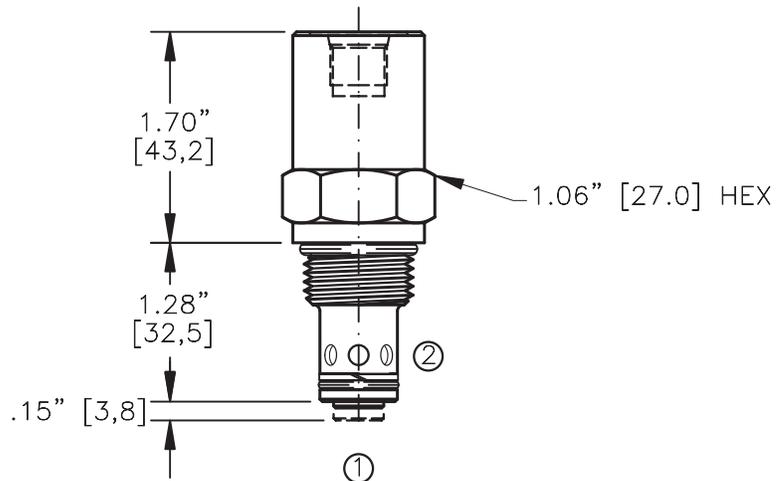
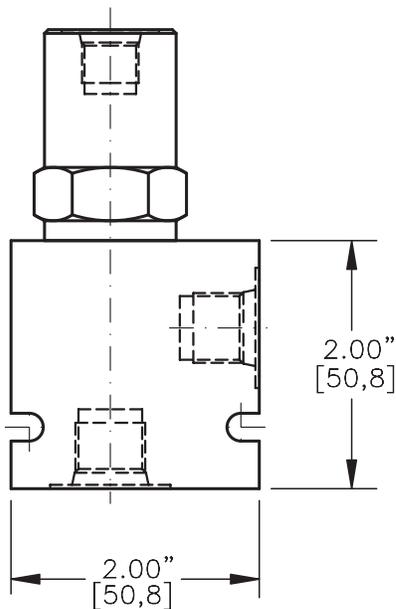
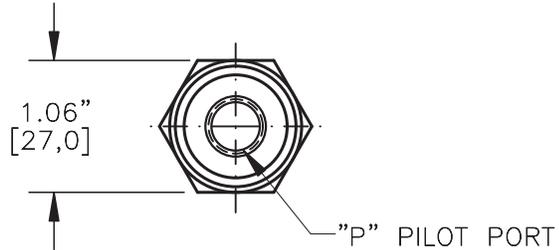


PILOT OPERATED CHECK VALVE POPPET TYPE,
PILOT TO OPEN, 3 TO 1 PILOT RATIO.



TORQUE:

Steel = 55/60 Ft-Lb. [74/81 Nm]
Aluminum = 35/40 Ft-Lb. [47/54 Nm]



NOTE: CAVITY BOTTOM HOLE MUST ALLOW FOR POPPET EXTENSION (.563 DIA.).
FOR ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0-012.1

POCX-10-X-X-XX-XXX

BASIC

SIZE

10 = 7/8"-14 UNF

SEALS

N = BUNA "N"

V = VITON

PORTS

0 = CARTRIDGE ONLY

02BX = G 1/4" BSPP

03BX = G 3/8" BSPP

06TX = SAE - #6

08TX = SAE - #8

"A" - ALUM. HOUSING

"S" - STEEL HOUSING

CRACK PRESSURE

030 = 30 PSI

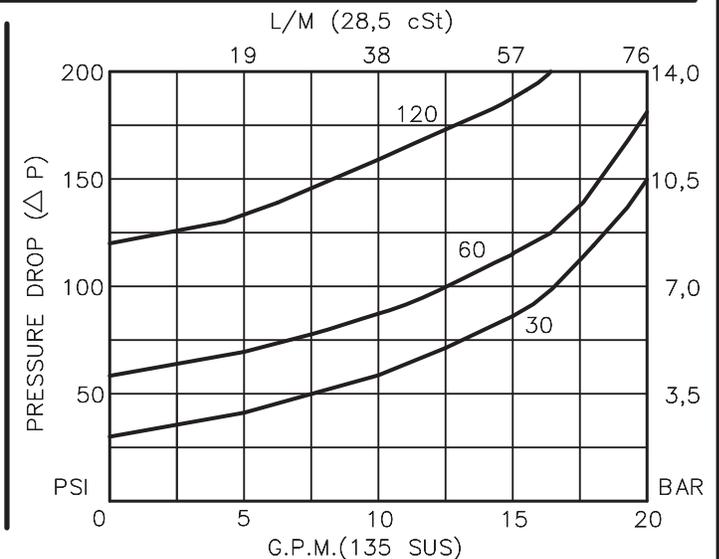
060 = 60 PSI

120 = 120 PSI

"P" PILOT PORT

2B = G 1/4" BSPP

4T = SAE - #4



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 pilot port "P". 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 pilot port "P" to open the valve. We recommend to use an orifice to dampen the pilot signal (X) when used with an on/off (hard shifting) valve.

FEATURES AND BENEFITS

Wide selection of bias springs allows flexibility for back-pressure application.
A low friction seal on pilot piston is standard.
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: 18.0 GPM [70 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-1021 Buna "N"
 SKV-1021 Viton
 WEIGHT: .31 lb [.14 kg] cartridge only.
 VALVE CAVITY: #C 1020, See Page 0-012.0.

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www.bucherhydraulics.com/commoncavity

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