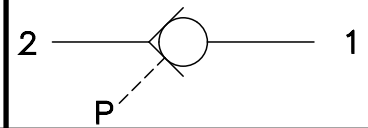
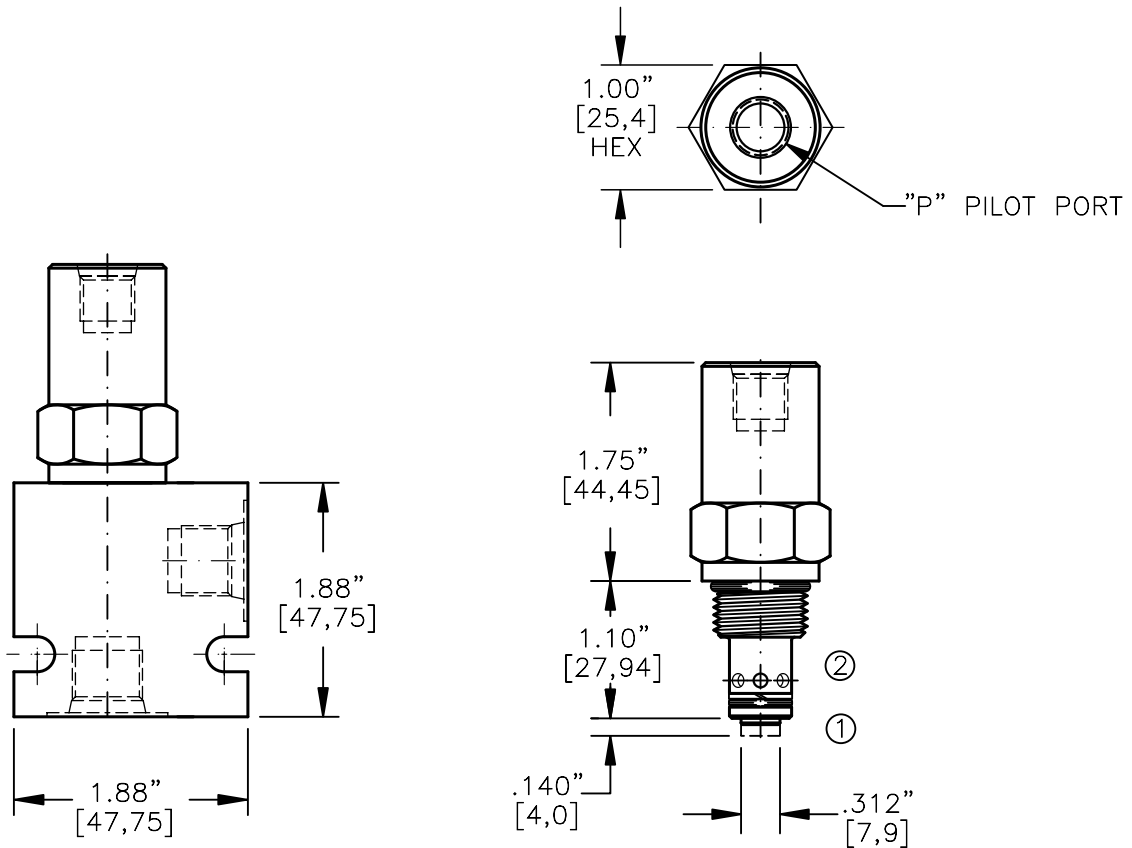


PILOT OPERATED CHECK VALVE POPPET TYPE,
PILOT TO OPEN, 3 TO 1 PILOT RATIO.



TORQUE:

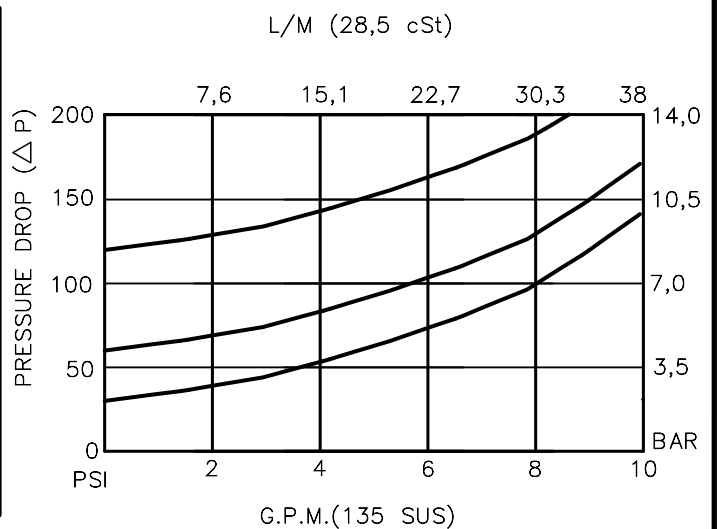
Steel = 35/40 Ft-Lb. [47/54 Nm]
Aluminum = 25/30 Ft-Lb. [34/41 Nm]



NOTE: CAVITY BOTTOM HOLE MUST ALLOW FOR POPPET EXTENSION (.500 DIA.).
FOR ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0-011.1

POCX-08-X-X-4T-XXX

- BASIC
- SIZE
08 = 3/4"-16 UNF
- SEALS
N = BUNA "N"
V = VITON
- PORTS
0 = CARTRIDGE ONLY
02BX = G 1/4" BSPB
06TX = SAE - #6
- "A" - ALUM. HOUSING
"S" - STEEL HOUSING
- CRACK PRESSURE
030 = 30 PSI
060 = 60 PSI
120 = 120 PSI
- "P" PILOT PORT
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: 10.0 GPM [38,0 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-0821 Buna "N"

SKV-0821 Viton

WEIGHT: .34 lb [.15 kg] cartridge only.

VALVE CAVITY: #C0820, See Page 0-011.0.

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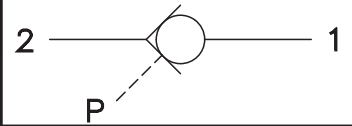
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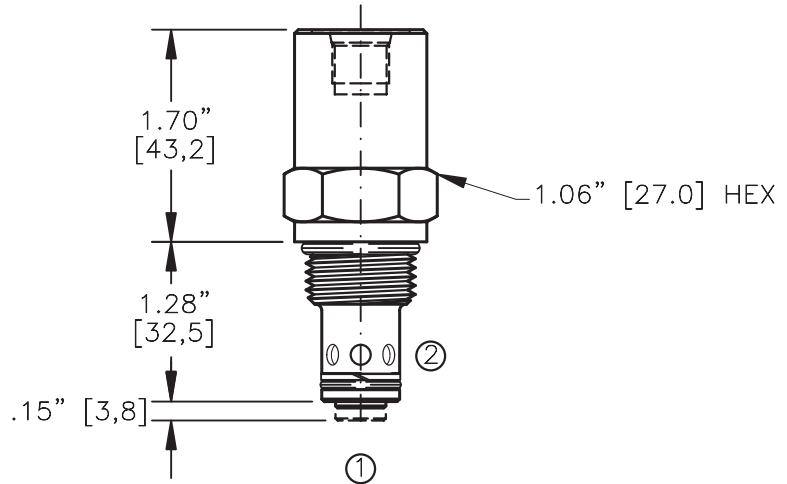
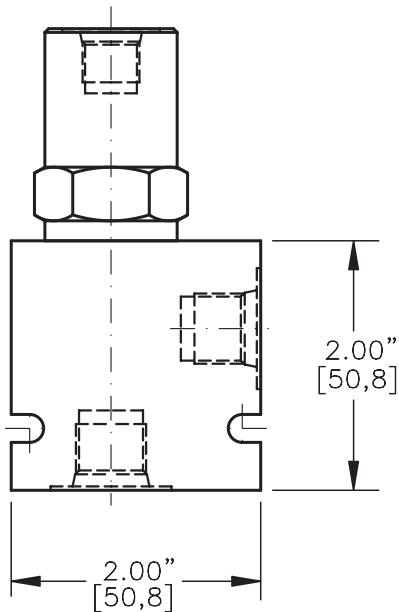
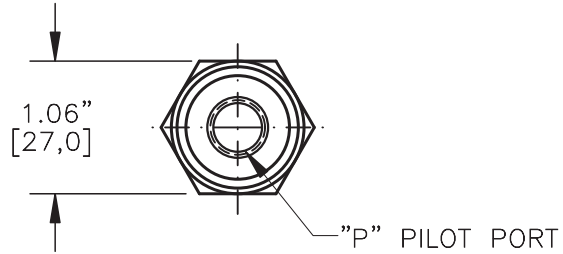
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PILOT OPERATED CHECK VALVE POPPET TYPE,
PILOT TO OPEN, 3 TO 1 PILOT RATIO.



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

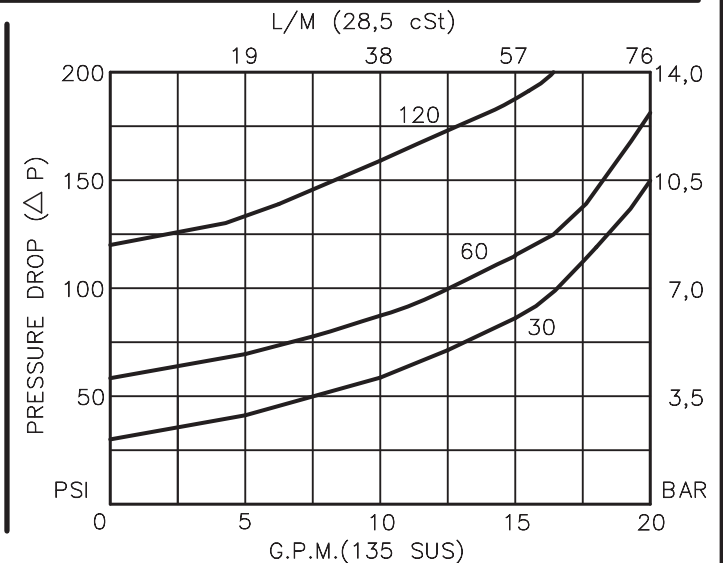
"A" - ALUM. HOUSING
"S" - STEEL HOUSING

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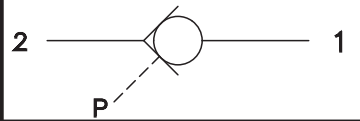
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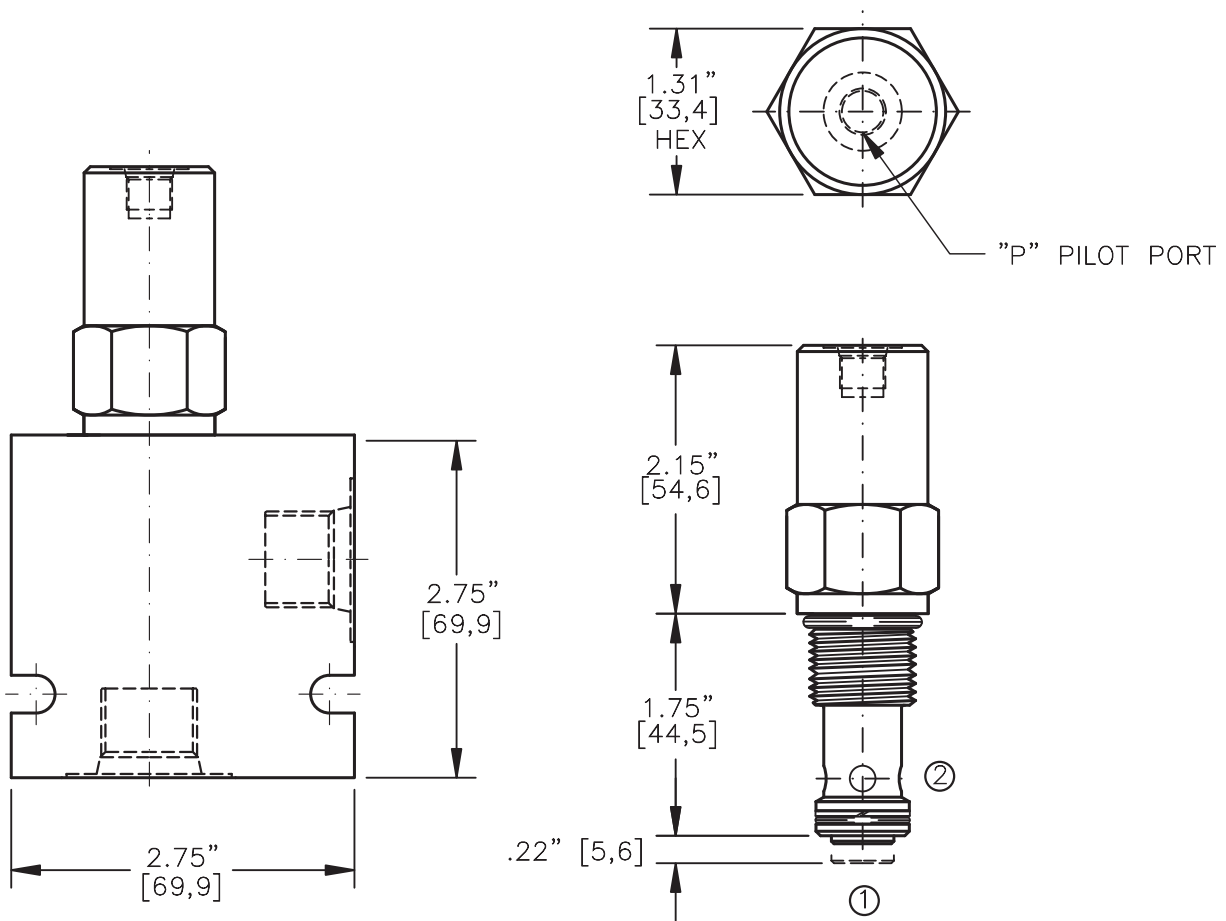
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PILOT OPERATED CHECK VALVE POPPET TYPE,
PILOT TO OPEN, 3 TO 1 PILOT RATIO.



TORQUE:

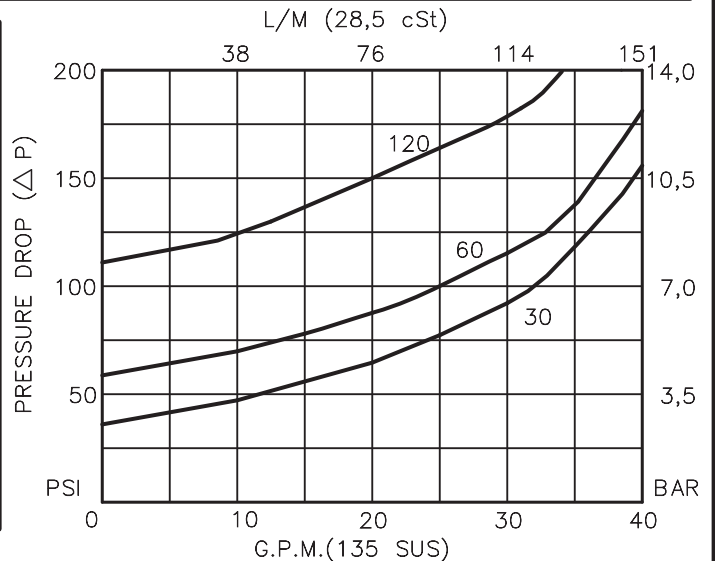
Steel = 70/75 Ft-Lb. [95/102 Nm]
Aluminum = 55/60 Ft-Lb. [74/81 Nm]



NOTE: CAVITY BOTTOM HOLE MUST ALLOW FOR POPPET EXTENSION(.630 DIA.).
FOR ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0-013.1

POCX-12-X-X-XX-XXX

- BASIC
- SIZE
12 = 1.062"-12 UNF
- SEALS
N = BUNA "N"
V = VITON
- PORTS
0 = CARTRIDGE ONLY
04BX = G 1/2" BSPP
06BX = G 3/4" BSPP
10TX = SAE - #10
12TX = SAE - #12
- "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 sufficient pilot pressure is applied to 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: 35.0 GPM [132,5 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-1221 Buna "N"

SKV-1221 Viton

WEIGHT: 0.31 lb [0,14 kg] cartridge only.

VALVE CAVITY: #C1220, See Page 0-013.0.

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