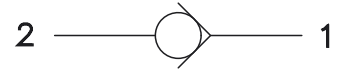
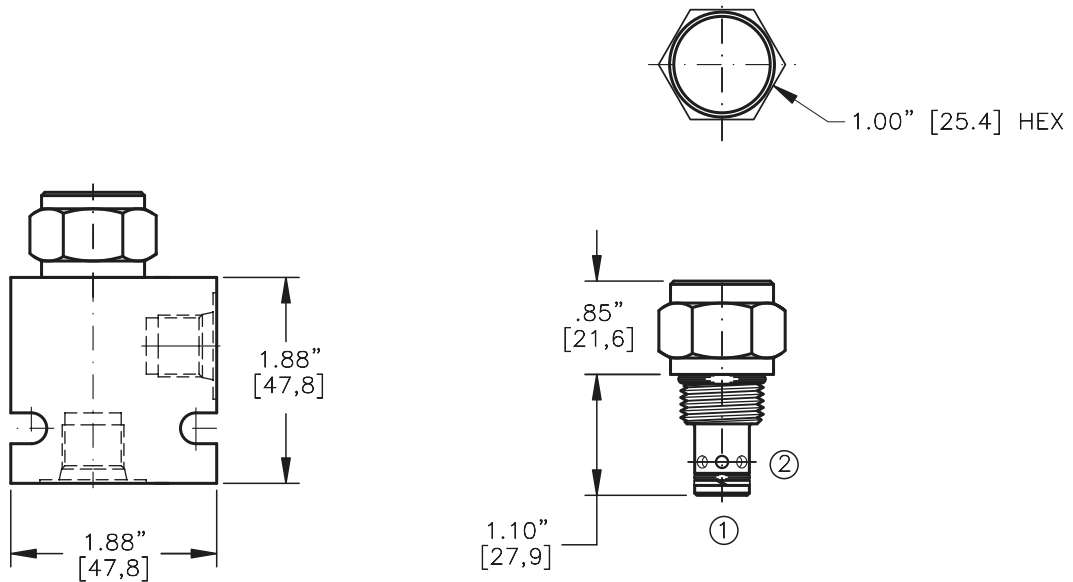


CHECK VALVE FORWARD GUIDED POPPET

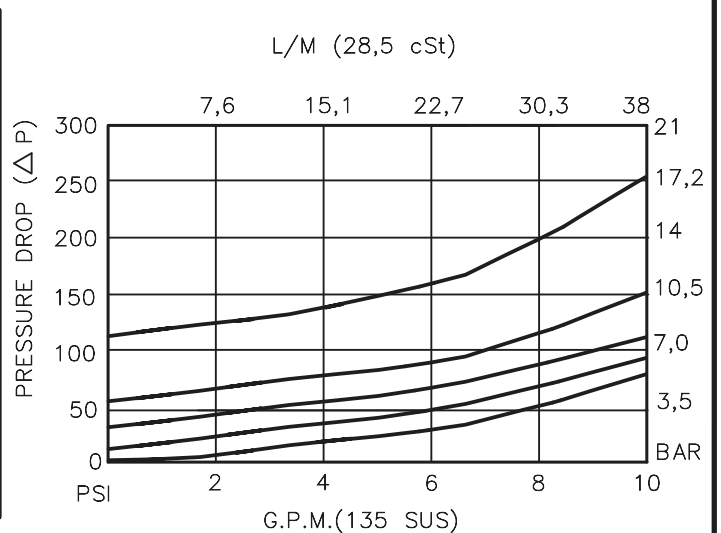
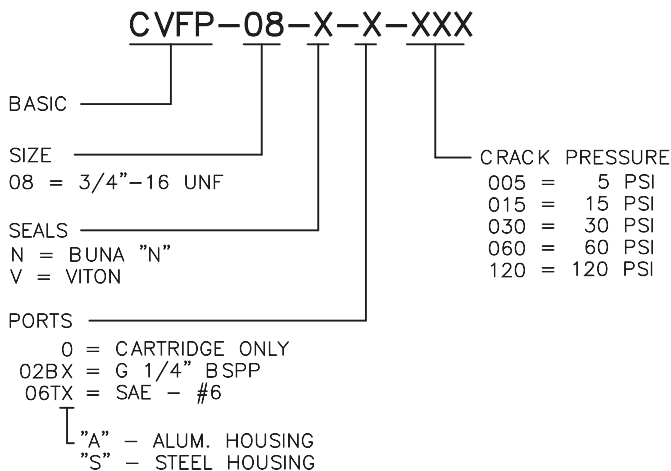


TORQUE:

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



FOR ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0-011.1



## CHECK VALVE FORWARD GUIDED POPPET

### DESCRIPTION

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

### OPERATIONS

This valve allows free flow from port 1 to port 2 and blocks flow from port 2 to port 1 or holding a load.

### FEATURES AND BENEFITS

Wide selection of bias springs allows flexibility for back-pressure application.  
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.

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: .20 lb [.12 kg] cartridge only.

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

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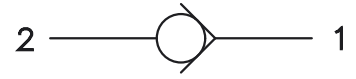
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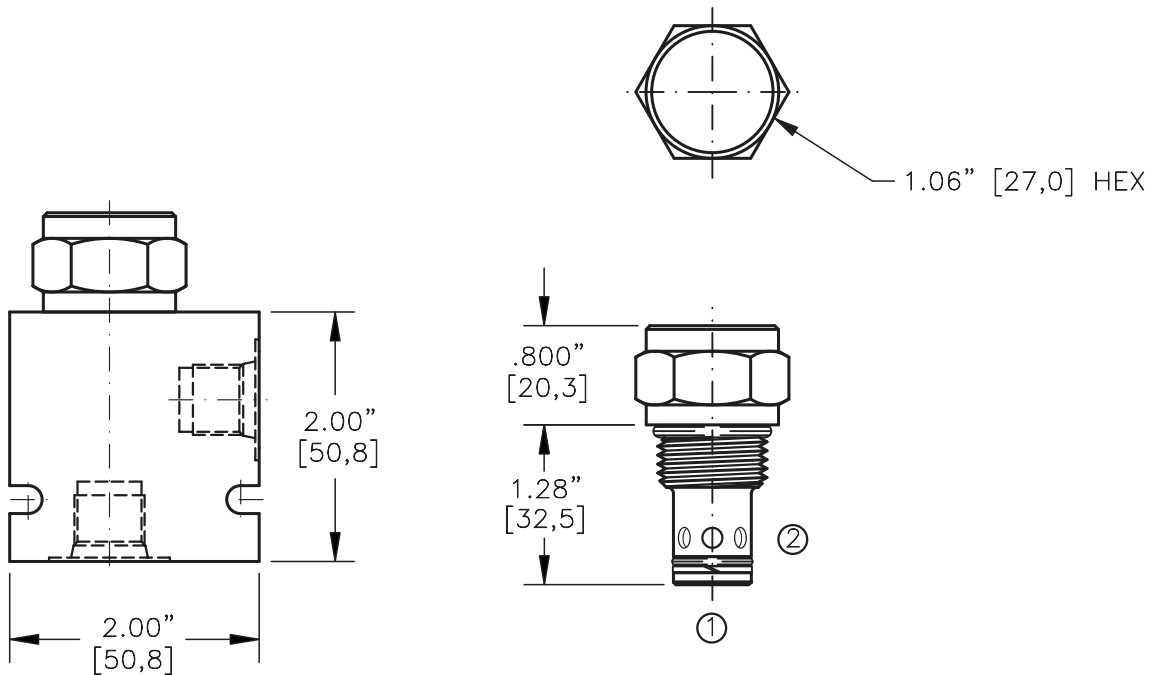
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CHECK VALVE FORWARD GUIDED POPPET

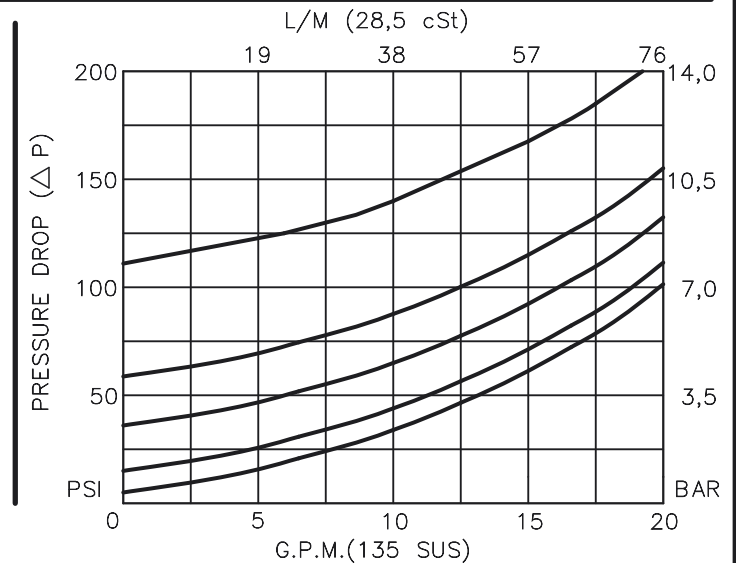
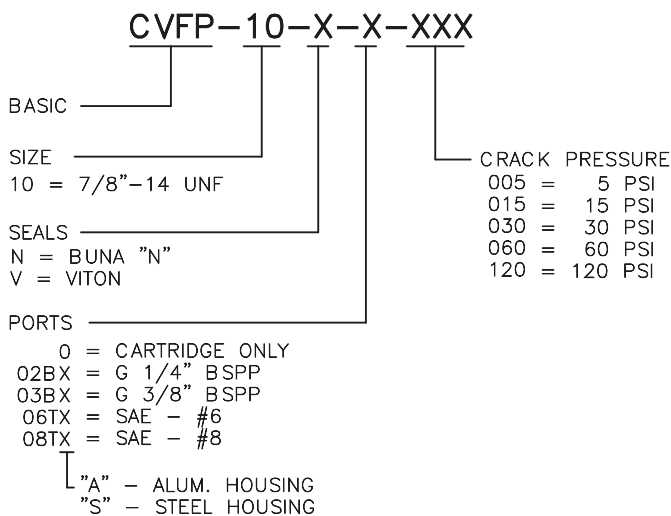


TORQUE:

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



FOR ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0-012.1



## CHECK VALVE FORWARD GUIDED POPPET

### DESCRIPTION

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

### OPERATIONS

This valve allows free flow from port 1 to port 2 and blocks flow from port 2 to port 1 or holding a load.

### FEATURES AND BENEFITS

Wide selection of bias springs allows flexibility for back-pressure application.

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 [68 l/m] nominal. See performance chart.

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: .25 lb [.12 kg] cartridge only.

VALVE CAVITY: #C1020, See Page 0-012.0.

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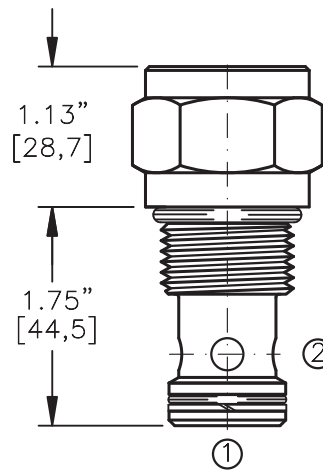
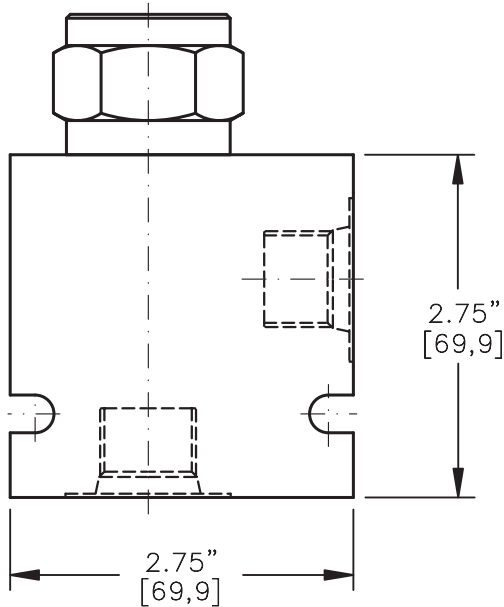
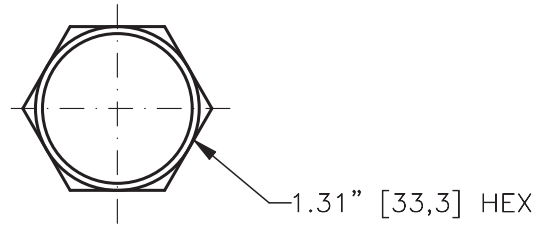
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CHECK VALVE FORWARD GUIDED POPPET



TORQUE:

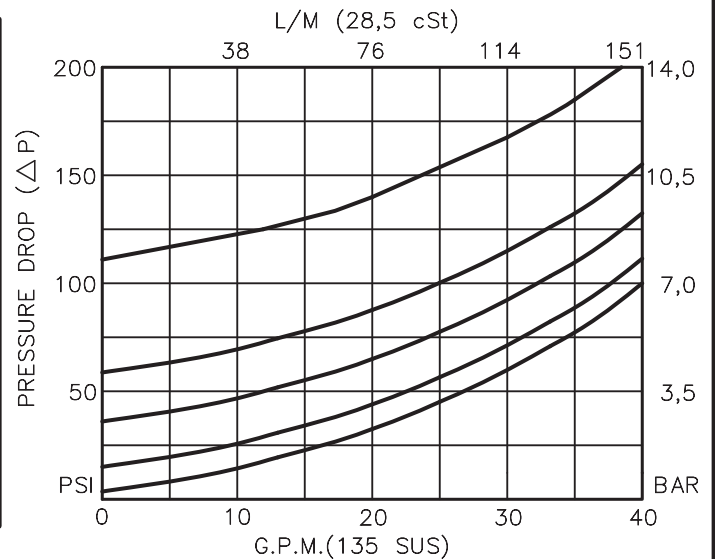
Steel = 70/75 Ft-Lb. [95/102 Nm]  
Aluminum = 55/60 Ft-Lb. [74/81 Nm]



FOR ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0-013.1

**CVFP-12-X-X-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  
005 = 5 PSI  
015 = 15 PSI  
030 = 30 PSI  
060 = 60 PSI  
120 = 120 PSI



## CHECK VALVE FORWARD GUIDED POPPET

### DESCRIPTION

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

### OPERATIONS

This valve allows free flow from port 1 to port 2 and blocks flow from port 2 to port 1 or holding a load.

### FEATURES AND BENEFITS

Wide selection of bias springs allows flexibility for back-pressure application.

All external carbon steel parts are plated for longer life against the elements.  
All cartridge valves are 100% functionally tested.

### SPECIFICATIONS

OPERATING PRESSURE: 5,000 PSI [350 Bar]

PROOF PRESSURE: 10,000 PSI [700 Bar]

FLOW: 36.0 GPM [136 l/m] nominal. See performance chart.

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-1231 Buna "N"

SKV-1231 Viton

WEIGHT: 0.50 lb [0.22 kg] cartridge only.

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

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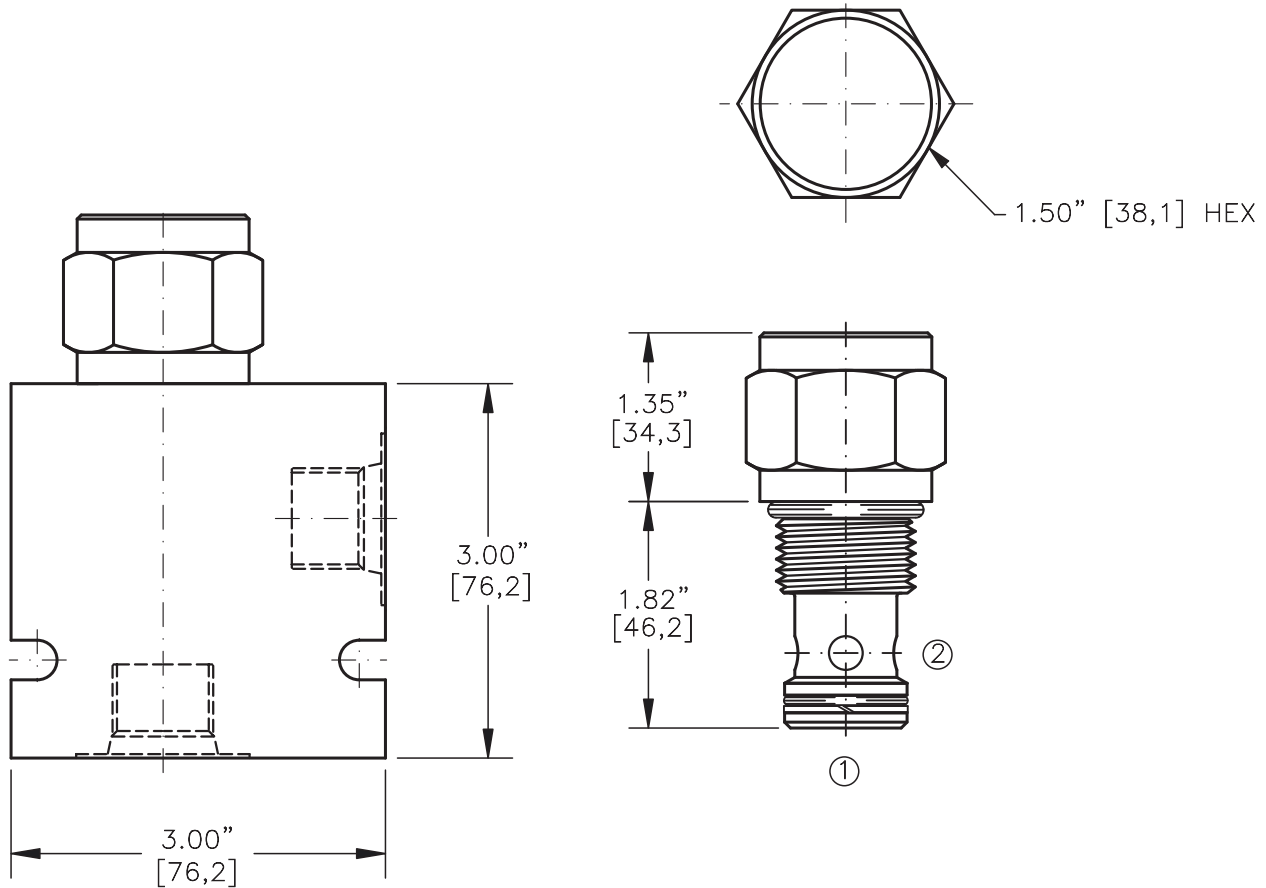
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CHECK VALVE FORWARD GUIDED POPPET



TORQUE:

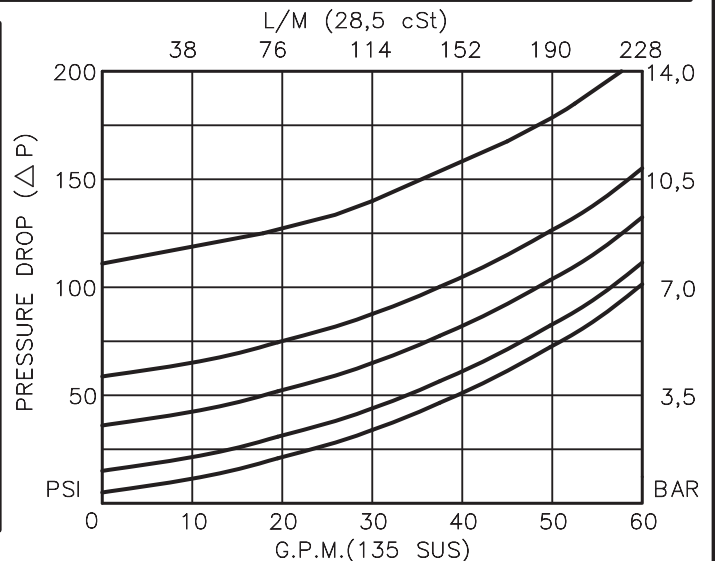
Steel = 95/100 Ft-Lb. [129/136 Nm]  
Aluminum = 70/75 Ft-Lb. [95/102 Nm]



FOR ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0-014.1

**CVFP-16-X-X-XXX**

- BASIC
- SIZE  
16 = 1.312"-12 UNF
- SEALS  
N = BUNA "N"  
V = VITON
- PORTS  
0 = CARTRIDGE ONLY  
06BX = G 3/4" BSPP  
08BX = G 1.0" BSPP  
12TX = SAE - #12  
16TX = SAE - #16
- "A" - ALUM. HOUSING  
"S" - STEEL HOUSING
- CRACK PRESSURE  
005 = 5 PSI  
015 = 15 PSI  
030 = 30 PSI  
060 = 60 PSI  
120 = 120 PSI



## CHECK VALVE FORWARD GUIDED POPPET

### DESCRIPTION

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

### OPERATIONS

This valve allows free flow from port 1 to port 2 and blocks flow from port 2 to port 1 or holding a load.

### FEATURES AND BENEFITS

Wide selection of bias springs allows flexibility for back-pressure application.

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: 60.0 GPM [228 l/m] nominal. See performance chart.

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-1621 Buna "N"

SKV-1621 Viton

WEIGHT: 0.86 lb [0.39 kg] cartridge only.

VALVE CAVITY: #C1620, See Page 0-014.0.

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