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

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

CVFP-16-X-X-XXX

BASIC
SIZE
16 = 1.312"-12 UNF
SEALS
N = BUNA "N"
V = VITON
PORTS
0 = CARTRIDGE ONLY
08BX = G 3/4" BSPP
08TX = G 1.0" BSPP
12TX = SAE = #12
16TX = SAE = #16
"A" = ALUM. HOUSING
"S" = STEEL HOUSING

PRESSURE DROP (ΔP)

G.P.M. (135 SUS) 38 76 114 152 190 228
0 10 20 30 40 50 60
14,0 10,5 7,0 3,5

L/M (28,5 cSt)

PSI BAR

Reference: 520-P-010140-EN-00/09.2015
**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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The information does not relieve users from the duty of conducting their own evaluations and tests. Because the products are subject to continual improvement, we reserve the right to amend the product specifications contained in this catalogue.

Reference: S20-P-010140-EN-00/09.2015