CHECK VALVE REVERSE GUIDED POPPET

CRACK PRESSURE

<table>
<thead>
<tr>
<th>Size</th>
<th>PSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>005</td>
<td>5</td>
</tr>
<tr>
<td>015</td>
<td>15</td>
</tr>
<tr>
<td>030</td>
<td>30</td>
</tr>
<tr>
<td>060</td>
<td>60</td>
</tr>
<tr>
<td>120</td>
<td>120</td>
</tr>
</tbody>
</table>

SEALS

- N = BUNA "N"
- V = VITON

PORTS

- 0 = CARTRIDGE ONLY
- 02BX = G 1/2” BSPP
- 03BX = G 3/4” BSPP
- 06TX = SAE - #10
- 08TX = SAE - #12

A = ALUM. HOUSING
S = STEEL HOUSING

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 (.570” DIA.)

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

CVRP-10

BASIC

SIZE

10 = 7/8” - 14 UNF

SEALS

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V = VITON

PORTS

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"S" = STEEL HOUSING

PRESSURE DROP (ΔP)

L/M (28,5 cSt)

G.P.M.(135 SUS)

<table>
<thead>
<tr>
<th>Pressure Drop (ΔP)</th>
<th>50</th>
<th>70</th>
<th>90</th>
<th>110</th>
<th>130</th>
</tr>
</thead>
<tbody>
<tr>
<td>L/M (28,5 cSt)</td>
<td>7.0</td>
<td>10.5</td>
<td>14.0</td>
<td>7.0</td>
<td>3.5</td>
</tr>
<tr>
<td>G.P.M.(135 SUS)</td>
<td>10</td>
<td>15</td>
<td>20</td>
<td>15</td>
<td>20</td>
</tr>
</tbody>
</table>

Reference: 520-P-010220-EN-00/09.2015
### DESCRIPTION

This unit is a SCREW IN, cartridge type, guided poppet, hydraulic check valve, used 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.

### 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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