CARTRIDGE VALVE

SPECIFICATIONS:

- Normally Closed Check Valve
- Manual Override to hold Open.
- Maximum pressure at Ports 1 and 2 is 5,000 PSI.
- Install Cartridge valve using 1" wrench
- Final tightening to 20 foot pounds torque.
- Use lubricant on external oil seals and mounting threads.
- Fluid temperature -45°F (-42.7°C) to 200°F (93.3°C)

MATERIALS & OPTIONS

- T Option 10-32 vent ports at Key 7 (2 Places)
- Seat (Key 4) material is heat treated Stainless.
- Seal Materials used are Buna-N and Teflon.
- Optional seal and construction materials available.

SHIFT FORCE NOTES:

- 15 Pounds of Force is required to compress springs, Key 3 & 9
- To determine the additional operating force imposed by the system pressure, multiply the system pressure X .03 and add the result to the 15 Pound spring force.
- Example: 1,000 PSI System
  - 1,000 X .03 = 30#
  - 30 + 15 = 45#
  - Total Operator Force = 40#
- If Tank is Port 2, force is less.

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<table>
<thead>
<tr>
<th>INCH</th>
<th>METRIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>12.7</td>
</tr>
<tr>
<td>1.29</td>
<td>32.8</td>
</tr>
<tr>
<td>1.75</td>
<td>44.5</td>
</tr>
<tr>
<td>3.25</td>
<td>82.6</td>
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</tbody>
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Cavity & Housing

Cavity C-8542 (10-2):
See Spec. Sheet 1200621

Line Mount Housings:
See Spec. Sheets
1200674 and 1201455

Panel Mount Housings:
See Spec. Sheets
1202982 and 1202990

Valve Number: 94H72M##15

<table>
<thead>
<tr>
<th>Operators:</th>
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<tbody>
<tr>
<td>D = Direct Plunger</td>
</tr>
<tr>
<td>K = Knob, Aluminum</td>
</tr>
<tr>
<td>R = Knob, Red Ano.</td>
</tr>
<tr>
<td>S = Knob, Stainless</td>
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</tbody>
</table>

PRESSURE DROP CHART

<table>
<thead>
<tr>
<th>CV = 0.4</th>
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</thead>
<tbody>
<tr>
<td>150 PSI</td>
</tr>
<tr>
<td>100 PSI</td>
</tr>
<tr>
<td>50 PSI</td>
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</tbody>
</table>

0 2-1/2 GPM 5 GPM

POC SERIES

Check Valve with Manual Override to hold open.