**DESCRIPTION**


**OPERATION**

The DF-PCS allows pressure compensated flow from (1) to (2) regulated by the pressure present at (3). The spring chamber is constantly vented at (1).

**FEATURES**

- Hardened parts for long life.
- Industry common cavity.

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**HYDRAULIC SYMBOL**

Pressure compensator for flow control, typically used with an external orifice inline with port (1). Port (3) should sense upstream pressure of orifice.

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**PERFORMANCE**

Actual Test Data (Cartridge Only)

![Graph showing pressure and flow relationship for different orifices](image)

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**VALVE SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Specification Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Flow</td>
<td>10 GPM (38 LPM)</td>
</tr>
<tr>
<td>Rated Operating Pressure</td>
<td>3500 PSI (241 bar)</td>
</tr>
<tr>
<td>Typical Internal Leakage (150 SSU)</td>
<td>5 cu in/min (82 ml/min) per path</td>
</tr>
<tr>
<td>Viscosity Range</td>
<td>36 to 3000 SSU (3 to 647 cSt)</td>
</tr>
<tr>
<td>Filtration</td>
<td>ISO 18/16/13</td>
</tr>
<tr>
<td>Media Operating Temp. Range</td>
<td>-40°F to 250°F (-40°C to 120°C)</td>
</tr>
<tr>
<td>Weight</td>
<td>.35 lbs (.16 kg)</td>
</tr>
<tr>
<td>Operating Fluid Media</td>
<td>General Purpose Hydraulic Fluid</td>
</tr>
<tr>
<td>Cartridge Torque Requirements</td>
<td>30 ft-lbs (40.6 Nm)</td>
</tr>
<tr>
<td>Cavity</td>
<td>DELTA 3W</td>
</tr>
<tr>
<td>Cavity Form Tool (Finishing)</td>
<td>40500001</td>
</tr>
<tr>
<td>Seal Kit</td>
<td>21191210</td>
</tr>
</tbody>
</table>

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**WARNING:** The specifications/application data shown in our catalogs and data sheets are intended only as a general guide for the product described herein. Any specific application should not be undertaken without independent study, evaluation, and testing for suitability.
DIMENSIONS

ORDERING INFORMATION

DF-PCS - - - -

OPTIONS
Buna Standard 00
Viton Standard V0

BODIES
Blank Without Body
N 1/4" NPTF Ports
S #6 SAE Ports

PRESSURE DIFFERENTIAL
0150 150 PSI
0450 450 PSI

Differential Pressure Across
External Controlling Orifice

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