General Description
Series CFD flow controls are a constant volume, priority-type flow control designed for power steering.

Operation
Flow enters the valve through the inlet. The spool orifice size is fixed and determines flow from the controlled flow port. When controlled flow demand is satisfied, the balance of the inlet flow passes through the excess flow port and returns to the tank. The excess flow port is not a work port and must not be pressurized. In addition, flow cannot be reversed through the excess flow port.

Flow through the controlled port can be reversed, but it is not pressure compensated.

Features
- Fixed flow rate
- Cross drilled spool provides extremely accurate metering
- Hardened metering spool
- High tensile, cast iron body

Specifications
<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Flow</td>
<td>56.25 LPM (15 GPM)</td>
</tr>
<tr>
<td>Operating Pressure</td>
<td></td>
</tr>
<tr>
<td>SAE Ports</td>
<td>177 Bar (2500 PSI)</td>
</tr>
<tr>
<td>NPTF Ports</td>
<td>138 Bar (2000 PSI)</td>
</tr>
<tr>
<td>Minimum Compensation Pressure</td>
<td>3.45 Bar (50 PSI)</td>
</tr>
<tr>
<td>Operating Temperature Range (Ambient)</td>
<td>-40°C to +93°C (-40°F to +200°F)</td>
</tr>
<tr>
<td>Material</td>
<td>Body – High strength cast iron</td>
</tr>
<tr>
<td>Filtration</td>
<td>ISO Code 16/13</td>
</tr>
<tr>
<td></td>
<td>SAE Class 4 or better</td>
</tr>
<tr>
<td>Mounting Position</td>
<td>In-line; no restrictions</td>
</tr>
</tbody>
</table>

Ordering Information

<table>
<thead>
<tr>
<th>Code</th>
<th>CF Port</th>
<th>EF Port</th>
<th>P Port</th>
<th>T Port</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>SAE-8</td>
<td>SAE-10</td>
<td>SAE-10</td>
<td>3/8&quot; NPTF</td>
</tr>
<tr>
<td>50</td>
<td>3/8&quot; NPTF</td>
<td>1/2&quot; NPTF</td>
<td>1/2&quot; NPTF</td>
<td>3/8&quot; NPTF</td>
</tr>
<tr>
<td>75</td>
<td>1/2&quot; NPTF</td>
<td>3/4&quot; NPTF</td>
<td>3/4&quot; NPTF</td>
<td>3/8&quot; NPTF</td>
</tr>
</tbody>
</table>

Service Parts

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3.75 LPM (1.0 GPM)</td>
</tr>
<tr>
<td>1.5</td>
<td>5.63 LPM (1.5 GPM)</td>
</tr>
<tr>
<td>2</td>
<td>7.5 LPM (2 GPM)</td>
</tr>
<tr>
<td>3</td>
<td>11.25 LPM (3 GPM)</td>
</tr>
<tr>
<td>4</td>
<td>15 LPM (4 GPM)</td>
</tr>
<tr>
<td>5</td>
<td>18.75 LPM (5 GPM)</td>
</tr>
</tbody>
</table>

Note: The body and the internal parts are non-service items.
Inch equivalents for millimeter dimensions are shown in (**)

Dimensions

Series CFD