Model FDA is a rotary gear flow divider with 6 displacements from .129 to .517 in³/rev (2.13 to 8.42 cm³/rev). Maximum flow rates of 2.5 to 8.5 gpm are available across the displacement range. Standard ports are SAE, sizes are noted in the data chart below.

**Technical Specifications**

Specifications based on using Petroleum oil at 120°F (49°C), viscosity 150 SUS a 100°F and 0 inlet pressure.

**Flow Rate (gpm) = Displacement (in³/rev) X Speed (rpm) / 231**

Volumetric efficiency % ≥93

<table>
<thead>
<tr>
<th>Model</th>
<th>Displacement</th>
<th>Flow per Section (gpm)</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>in³/rev</td>
<td>cm³/rev</td>
<td>min</td>
</tr>
<tr>
<td>FDA-2-<em>129-</em></td>
<td>.129</td>
<td>2.13</td>
<td>1.20</td>
</tr>
<tr>
<td>FDA-2-<em>194-</em></td>
<td>.194</td>
<td>3.18</td>
<td>1.70</td>
</tr>
<tr>
<td>FDA-2-<em>258-</em></td>
<td>.258</td>
<td>4.24</td>
<td>2.50</td>
</tr>
<tr>
<td>FDA-2-<em>323-</em></td>
<td>.323</td>
<td>5.29</td>
<td>3.00</td>
</tr>
<tr>
<td>FDA-2-<em>388-</em></td>
<td>.388</td>
<td>6.36</td>
<td>3.50</td>
</tr>
<tr>
<td>FDA-2-<em>517-</em></td>
<td>.517</td>
<td>8.42</td>
<td>4.50</td>
</tr>
<tr>
<td>FDA-4-<em>129-</em></td>
<td>.129</td>
<td>2.13</td>
<td>1.20</td>
</tr>
<tr>
<td>FDA-4-<em>194-</em></td>
<td>.194</td>
<td>3.18</td>
<td>1.70</td>
</tr>
<tr>
<td>FDA-4-<em>258-</em></td>
<td>.258</td>
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<td>FDA-4-<em>517-</em></td>
<td>.517</td>
<td>8.42</td>
<td>4.50</td>
</tr>
</tbody>
</table>

Recommended working conditions:
FILTRATION: 25 micron or better
OIL VISCOSITY: 6 - 200 cSt
INLET PRESSURE: 12 - 32 psi absolute
OIL TEMPERATURE: -25° - 80° C (25° - 175° F)
AMBIENT -22° - 55° C (-8° - 130° F)

**Installation Data**

**Ordering Example:**
FDA - 2 - R - 258 - S

<table>
<thead>
<tr>
<th>Category</th>
<th>Series</th>
<th>Relief</th>
<th>Displacement</th>
<th>Ports</th>
</tr>
</thead>
<tbody>
<tr>
<td>FDA = Flow Divider</td>
<td>2 - 2-section</td>
<td>R = Relief Valve</td>
<td>129/194/258</td>
<td>S - SAE</td>
</tr>
<tr>
<td>4* - 4-section</td>
<td>N = No Relief Valve</td>
<td>323/388/517</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Special Order - minimums may apply*