**Backflushing Filter AutoFilt® RF3**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Rate</td>
<td>6600-10,790 gpm (25,000-40,850 L/min)</td>
</tr>
<tr>
<td>Working Pressure</td>
<td>87 psi (6 bar)</td>
</tr>
<tr>
<td>Max. Working Temperature</td>
<td>194°F (90°C)</td>
</tr>
<tr>
<td>Empty Weight</td>
<td>2250 lbs. (10200 kg)</td>
</tr>
<tr>
<td>Housing Volume</td>
<td>168 gallons (635 L)</td>
</tr>
<tr>
<td>Filter Area</td>
<td>8640 in.² (55,760 cm²)</td>
</tr>
<tr>
<td>No. of Filter Elements</td>
<td>24</td>
</tr>
<tr>
<td>Backflush Flange Size</td>
<td>3&quot; ANSI</td>
</tr>
<tr>
<td>Backflush Volume</td>
<td>82 gallons (310 L/cycle) Electric-Pneumatic Controls (EPT)</td>
</tr>
<tr>
<td></td>
<td>410 gallons (1550 L/cycle) All Electric Controls (EU)</td>
</tr>
</tbody>
</table>

**NOTES:**
1. Metric dimensions in ( ).
2. Drawings may change without notice. Contact Factory for certified drawings.

**Pressure Drop Information Based on Flow Rate and Viscosity**

![RF3 Flow Curves](chart)

*RF3 Flow Curves*
## How to Build a Valid Model Number for a RF3:

**Example: NOTE: One option per box**

<table>
<thead>
<tr>
<th>BOX 1</th>
<th>BOX 2</th>
<th>BOX 3</th>
<th>BOX 4</th>
<th>BOX 5</th>
<th>BOX 6</th>
<th>BOX 7</th>
<th>BOX 8</th>
<th>BOX 9</th>
<th>BOX 10</th>
<th>BOX 11</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF3</td>
<td>EPT8</td>
<td>NG</td>
<td>N</td>
<td>5</td>
<td>3</td>
<td>2</td>
<td>KS1000</td>
<td>5</td>
<td>ASME</td>
<td></td>
</tr>
</tbody>
</table>

- **Box 1**: Filter Series
- **Box 2**: Filter Size
- **Box 3**: Drive Control / Connecting Voltage
  - EPT = Electric pneumatic cycle control, Δp dependent
  - EU = Electric control, Δp dependent
  - PT = Pneumatic cyclic control, Δp dependent
  - PTZ = Pneumatic cyclic timed control
  - 7 = 3X415V/N/PE 60Hz
  - 8 = 3X460V/X/PE 60Hz
  - B = 3X575V/X/PE 60Hz
  - E = 1X230V/N/PE 60Hz
  - F = 1X110V/N/PE 60Hz
- **Box 4**: Housing Material and Coating
  - N = Standard Steel 1.0038, outside primed
  - NM = Standard Steel 1.0038, outside primed, inside metallogal painted
  - NG = Standard Steel 1.0038, outside primed, inside rubber coated
  - E = Stainless Steel 1.4571
- **Box 5**: Shut-Off Valve Material
  - N = Standard Steel
  - E = Stainless Steel

- **Box 6**: Differential Pressure Gauge
  - 1 = Pressure Chamber, Aluminum 3.259302
  - 2 = Pressure Chamber, Stainless Steel 1.4305
  - 3 = With Chemical Seal Stainless Steel 316Ti
  - 5 = HDA 4700 Stainless Steel
  - 6 = HDA 4300 Duplex Stainless Steel

- **Box 7**: Flange Position
  - 1 = Filter outlet opposite filter inlet (standard)
  - 2 = Filter outlet offset 90˚ clockwise to standard
  - 3 = Filter outlet offset by 180˚ clockwise to standard
  - 4 = Filter outlet offset by 270˚ clockwise to standard

- **Box 8**: Modification Number
  - 2 = Latest version supplied by factory

- **Box 9**: Element Set
  - KD25 = Conical SuperMesh™
  - KD40 = Conical SuperMesh™
  - KS50 = Conical Slotted Tubes
  - KS100 = Conical Slotted Tubes
  - KS200 = Conical Slotted Tubes
  - KS300 = Conical Slotted Tubes
  - KS400 = Conical Slotted Tubes
  - KS500 = Conical Slotted Tubes
  - KS1000 = Conical Slotted Tubes
  - KS1500 = Conical Slotted Tubes
  - KS2000 = Conical Slotted Tubes
  - KS2500 = Conical Slotted Tubes
  - KS3000 = Conical Slotted Tubes

- **Box 10**: Size of Element Set

- **Box 11**: Vessel Certification
  - Omit = Standard Version
  - ASME = ASME Version

### Notes:
- Box 3: Needs to have control type and voltage selected ex. EPT8.
- Box 4: can contain two options ex. NMA.
- If ANSI flanges are not specified, DIN style will be provided.