### Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flange Size</td>
<td>36&quot; ANSI</td>
</tr>
<tr>
<td>Flow Range</td>
<td>19,800-33,000 gpm (50,000-83,350 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>7820 lbs. (3550 kg)</td>
</tr>
<tr>
<td>Housing Volume</td>
<td>716 gallons (2710 L)</td>
</tr>
<tr>
<td>Filter Area</td>
<td>28,000 in.² (180,700 cm²)</td>
</tr>
<tr>
<td>No. of Filter Elements</td>
<td>54</td>
</tr>
<tr>
<td>Backflush Flange Size</td>
<td>6&quot; ANSI</td>
</tr>
<tr>
<td>Backflush Volume</td>
<td>190 gallons (720 L/cycle) Electric-Pneumatic Controls (EPT)</td>
</tr>
<tr>
<td></td>
<td>950 gallons (3600 L/cycle) All Electric Controls (EU)</td>
</tr>
</tbody>
</table>

### Pressure Drop Information

Based on Flow Rate and Viscosity

#### RF3 Flow Curves

- Flow Rate (gpm)
- Pressure drop (psid)

### NOTES:

1. Metric dimensions in ( ).
2. Drawings may change without notice. Contact factory for certified drawings.
# Backflushing Filter AutoFilt® RF3

How to Build a Valid Model Number for a RF3:

<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>8</td>
<td>EPT8</td>
<td>NG</td>
<td>N</td>
<td>5</td>
<td>3</td>
<td>2</td>
<td>KS1000</td>
<td>8</td>
<td>ASME</td>
</tr>
</tbody>
</table>

Example: NOTE: One option per box

- **BOX 1**: Filter Series
- **BOX 2**: Filter Size
- **BOX 3**: Drive Control / Connecting Voltage
  - EPT = Electric pneumatic cycle control, \( \Delta p \) dependent
  - EU = Electric control, \( \Delta p \) dependent
  - PT = Pneumatic cyclic control, \( \Delta p \) dependent
  - PTZ = Pneumatic cyclic timed control
- **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 3.258302
  - 2 = Pressure Chamber, Stainless Steel 1.4305
  - 3 = With Chemical Seal Stainless Steel 316TI
  - 4 = 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
  - KS600 = Conical Slotted Tubes
  - KS1000 = Conical Slotted Tubes
  - KS1500 = Conical Slotted Tubes
  - KS2000 = Conical Slotted Tubes
  - KS2500 = Conical Slotted Tubes
  - KS3000 = Conical Slotted Tubes

**NOTES:**
- Box 3. Needs to have control type and voltage selected. Ex. EPT6.
- Box 4. Can contain two options. Ex. NMA. Note: If ANSI flanges are not specified, DIN style will be provided.