## Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flow Range</strong></td>
<td>880-1980 gpm (420-1800 L/min)</td>
</tr>
<tr>
<td><strong>Working Pressure</strong></td>
<td>150 psi (10 bar)</td>
</tr>
<tr>
<td><strong>Max. Working Temperature</strong></td>
<td>194°F (90°C)</td>
</tr>
<tr>
<td><strong>Empty Weight</strong></td>
<td>805 lbs. (365 kg)</td>
</tr>
<tr>
<td><strong>Housing Volume</strong></td>
<td>28 gallons (60 L)</td>
</tr>
<tr>
<td><strong>Filter Area</strong></td>
<td>1280 in.² (8250 cm²)</td>
</tr>
<tr>
<td><strong>No. of Filter Elements</strong></td>
<td>8</td>
</tr>
<tr>
<td><strong>Backflush Flange Size</strong></td>
<td>2&quot;ANSI</td>
</tr>
<tr>
<td><strong>Backflush Volume</strong></td>
<td>13 gallons (50 L/cycle) Electric-Pneumatic Controls (EPT)</td>
</tr>
<tr>
<td></td>
<td>65 gallons (246 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) vs. Pressure drop (psid)
- Graph shows the relationship between flow rate and pressure drop for different flow rates.

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

NOTE: One option per box

Example: RF3-2-EPT8-NG-N-5-3-2/ASME

### BOX 1
Filter Series
- RF3

### BOX 2
Filter Size
- 2

### 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

#### Values
- 7 = 3X415V/N/PE 60Hz
- 8 = 3X460V/X/PE 60Hz
- B = 3X575V/X/PE 60Hz
- E = 1X230V/N/PE 60Hz
- F = 1X410V/N/PE 60Hz

### BOX 4
Housing Material and Coating
- N = Standard Steel 1.0038, outside primed
- NM = Standard Steel 1.0038, outside primed, inside metalogal 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
- 5 = 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
- KS1500 = Conical Slotted Tubes
- KS2000 = Conical Slotted Tubes
- KS2500 = Conical Slotted Tubes
- KS3000 = Conical Slotted Tubes

### BOX 10
**Size of Element Set**
- 2

### 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.