# Backflushing Filter AutoFilt® RF3

**Specifications**

- **Flange Size:** 24"ANSI
- **Flow Range:** 8810-15.850 gpm (33,350-60,000 L/min)
- **Working Pressure:** 87 psi (6 bar)
- **Max. Working Temperature:** 194°F (90°C)
- **Empty Weight:** 3550 lbs. (1610 kg)
- **Housing Volume:** 264 gallons (988 L)
- **Filter Area:** 13,810 in.² (89,100 cm²)
- **No. of Filter Elements:** 40
- **Backflush Flange Size:** 4"ANSI
- **Backflush Volume:**
  - 128 gallons (485 L/cycle) Electric-Pneumatic Controls (EPT)
  - 640 gallons (2425 L/cycle) All Electric Controls (EU)

**Pressure Drop Information**

Based on Flow Rate and Viscosity

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**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>6</td>
<td>EPT</td>
<td>NG</td>
<td>N</td>
<td>5</td>
<td>3</td>
<td>2</td>
<td>KS1000</td>
<td>6</td>
<td>ASME</td>
</tr>
</tbody>
</table>

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

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<tbody>
<tr>
<td>RF3</td>
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<td>EPT8</td>
<td>NG</td>
<td>N</td>
<td>5</td>
<td>3</td>
<td>2</td>
<td>KS1000</td>
<td>6</td>
<td>ASME</td>
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### Filter Model Number Selection

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### Drive Control / Connecting Voltage

- **EPT** = Electric pneumatic cycle control, ∆p dependent
- **EU** = Electric control, ∆p dependent
- **PT** = Pneumatic cyclic control, ∆p dependent
- **PTZ** = Pneumatic cyclic timed control

### 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
- **A** = With ANSI-flanged, add A at the end

### Shut-Off Valve Material

- **N** = Standard Steel
- **E** = Stainless Steel

### 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

### 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

### Modification Number

2 = Latest version supplied by factory

### 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

### 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.