Manifold Filter Kit

**RMF60**

**Flow Rating:**
Up to 30 gpm (115 L/min) for 150 SUS (32 cSt) fluids

**Max. Operating Pressure:**
6,000 psi (415 bar)*

**Min. Yield Pressure:**
18,000 psi (1240 bar)*

**Rated Fatigue Pressure:**
2,300 psi (159 bar)*

**Temp. Range:**
-20°F to 225°F (-29°C to 107°C)

**Element Case:**
Steel

**Element Change Clearance:**
3.0" (75 mm)

*Only with manifold material properties equivalent to AISI 1018 C.R.S.

**Features and Benefits**
- Allows for effective filtration in customer's manifold

**Applications**
- Industrial
- Automotive Manufacturing
- Machine Tool
- Steel Making
- Mobile Vehicles
- Pulp & Paper
- Agriculture

**Specifications**

| Flow Rating: | Up to 30 gpm (115 L/min) for 150 SUS (32 cSt) fluids |
| Max. Operating Pressure: | 6000 psi (415 bar)* |
| Min. Yield Pressure: | 18,000 psi (1240 bar)* |
| Rated Fatigue Pressure: | 2300 psi (159 bar)* |
| Temp. Range: | -20°F to 225°F (-29°C to 107°C) |
| Element Case: | Steel |

*SCHROEDER INDUSTRIES 135*
Manifold kit consists of element, o-ring, backup ring and bowl. Bushing is optional depending on machined cavity style. For manifold machining details, request drawing D-10536 from factory.

Metric dimensions in ( ).

### Element Performance Information

<table>
<thead>
<tr>
<th>Element</th>
<th>Filtration Ratio Per ISO 4572/NFPA T3.10.8.8 Using automated particle counter (APC) calibrated per ISO 4402</th>
<th>Filtration Ratio wrt ISO 16889 Using APC calibrated per ISO 11171</th>
<th>Dirt Holding Capacity gm</th>
</tr>
</thead>
<tbody>
<tr>
<td>8RZX3</td>
<td>$B_{0} \geq 75$; $B_{1} \geq 100$; $B_{2} \geq 200$</td>
<td>$B_{0}(\geq 200)$; $B_{1}(\geq 1000)$</td>
<td>N/A</td>
</tr>
<tr>
<td>8RZX10</td>
<td>7.4; 8.2; 10.0</td>
<td>8.0; 9.8</td>
<td>N/A</td>
</tr>
</tbody>
</table>

- **Element Collapse Rating:** 3000 psid (210 bar)
- **Flow Direction:** Outside In
- **Element Nominal Dimensions:** 2.18” (55 mm) O.D. x 8.15” (206 mm) long

### Pressure Drop Information

**Based on Flow Rate and Viscosity**

- **Element Drop Factor:** $\Delta P_{\text{element}} = \text{flow} \times \text{element } \Delta P \text{ factor } \times \text{viscosity factor}

**El. $\Delta P$ factors @ 150 SUS (32 cSt):**

- 8RZX3: N/A
- 8RZX10: N/A

If working in units of bars & L/min, divide above factor by 54.9.

**Viscosity Factor:** Divide viscosity by 150 SUS (32 cSt).

### Filter Model Number Selection

**How to Build a Valid Model Number for a Schroeder RMF60:**

- **BOX 1:** Filter Series (RMF60)
- **BOX 2:** Element Length (8)
- **BOX 3:** Element Number (RZX3)
- **BOX 4:** Seal Material (Omit = Buna N; V = Viton®; H = EPR)
- **BOX 5:** Bushing (Omit = Included; N = Not included)

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

- **BOX 1:** RMF60
- **BOX 2:** 8
- **BOX 3:** RZX3
- **BOX 4:** N/A
- **BOX 5:** N/A

= **RMF608RZX3**

**NOTES:**

- Box 2: Replacement element part numbers are a combination of Boxes 2, 3, and 4. Example: 8RZX3V
- Box 4: Viton® is a registered trademark of DuPont Dow Elastomers.

136 SCHROEDER INDUSTRIES