Manifold Filter Kit

Flow Rating: Up to 20 gpm (75 L/min) for 150 SUS (32 cSt) fluids
Max. Operating Pressure: 3000 psi (210 bar)*
Min. Yield Pressure: 10,000 psi (690 bar)*, per NFPA T2.6.1
Rated Fatigue Pressure: 2400 psi (185 bar)*, per NFPA T2.6.1
Temp. Range: -20°F to 225°F (-29°C to 107°C)
Element Case: Aluminum
Element Change Clearance: 4.50" (115 mm)

*Only with manifold material properties equivalent to aluminium 6061-T651.
Manifold Filter Kit

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-9895 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</th>
<th>Filtration Ratio wrt ISO 16889</th>
<th>Dirt Holding Capacity gm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Using automated particle counter (APC) calibrated per ISO 4402</td>
<td>Using APC calibrated per ISO 11171</td>
<td></td>
</tr>
<tr>
<td>NNZX3</td>
<td>$\beta_2 \geq 75$</td>
<td>$\beta_2 \geq 200$</td>
<td>$\beta_3 \geq 200$</td>
</tr>
<tr>
<td>NNZX10</td>
<td>7.4</td>
<td>8.2</td>
<td>10.0</td>
</tr>
</tbody>
</table>

Element Collapse Rating: 3000 psid (210 bar)
Flow Direction: Outside In
Element Nominal Dimensions: 1.75" (45 mm) O.D. x 8.00" (200 mm) long

Pressure Drop Information

Based on Flow Rate and Viscosity

$\Delta P_{element} = \text{flow} \times \text{element } \Delta P \text{ factor} \times \text{viscosity factor}$

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

NNZX3 | 1.00 |
NNZX10 | 0.52 |

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

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

How to Build a Valid Model Number for a Schroeder NMF30:

**Example:**

NMF30 – 1 – NNZX3 = NMF301NNZX3

NOTES:

Box 1. Replacement element part numbers are identical to contents of Boxes 3 and 4.

Box 4. For options V and W, all aluminum parts are anodized. Viton® is a registered trademark of DuPont Dow Elastomers.