LowViscosity Housing | Filter

Applications

- Industrial
- Bulk Fuel Filtration
- Marine
- Mining
- Agriculture
- Power Generation

Features and Benefits

- Excellent filtration performance in a single pass
- Low pressure loss due to innovative element technology
- Easy to service thanks to intelligent element design
- Easy to adapt to filter housings for the removal of the fine particles in diesel
- The Low Viscosity-Housing Filter LVH-F is mainly used to filter low-viscosity fluids. It is especially suitable for applications with large amounts of dirt that need to be removed in just a single pass
- The Optimicron® filter elements used here ensure that both the required cleanliness and a long service life are achieved
- Available in various sizes, the filters can be optimally integrated into new or existing systems
- The filters are designed according to the AD2000 German rules and regulations for pressure vessels or according to ASME

Markets

- Industrial
- Bulk Fuel Filtration
- Marine
- Mining
- Agriculture
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Filter Housing Specifications

- Flow Rating: 211-951 gpm (800-3600 L/min)
- Inlet/Outlet Connection: DN50 - 300 (2"-12" DIN)
- Max. Operating Pressure: 232 psi (16 bar)
- Max. Temperatures: 122°F (50°C)
- Material Housing: Stainless Steel or Carbon Steel
- Optional: Optimicron® Diesel Elements

Model no. of filter in photograph is: LVHF340NBRFZ
The lower curve applies to diesel at 20°C (the upper curve is for mineral oil with viscosity to 30 cSt for comparison).

**Filter Calculation**

<table>
<thead>
<tr>
<th>Filter Size (Model)</th>
<th>Maximum Flow Rate</th>
<th>Number of Filter Elements</th>
</tr>
</thead>
<tbody>
<tr>
<td>LVH-F-1 40</td>
<td>211 gpm</td>
<td>1 pc.</td>
</tr>
<tr>
<td>LVH-F-3 40</td>
<td>317 gpm</td>
<td>3 pcs.</td>
</tr>
<tr>
<td>LVH-F-4 40</td>
<td>476 gpm</td>
<td>4 pcs.</td>
</tr>
<tr>
<td>LVH-F-5 40</td>
<td>634 gpm</td>
<td>5 pcs.</td>
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<tr>
<td>LVH-F-8 40</td>
<td>951 gpm</td>
<td>8 pcs.</td>
</tr>
</tbody>
</table>

**Filter Element Selection Coalescing Element Performance Information**

<table>
<thead>
<tr>
<th>Element</th>
<th>Pressure Side Coalescing</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Designation</td>
</tr>
<tr>
<td>Filter Element 40&quot;</td>
<td>N42ON-DF003-FA40F</td>
</tr>
<tr>
<td></td>
<td>N42ON-DF005-FA40F</td>
</tr>
<tr>
<td></td>
<td>N42ON-DF010-FA40F</td>
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</table>

* Contact Factory for More Details
**Filter Model Number Selection**

**How to Build a Valid Model Number for a Schroeder LVH-F Supplied with Element:**

<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>LVH</td>
<td></td>
<td></td>
<td></td>
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<td></td>
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**Example:**

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</tr>
</thead>
<tbody>
<tr>
<td>LVH</td>
<td>F</td>
<td>3</td>
<td>40</td>
<td>E</td>
<td>V</td>
<td>C</td>
<td>V</td>
<td>F</td>
<td>D12</td>
<td>ZA</td>
</tr>
</tbody>
</table>

**Notes:**
- Filter elements must be ordered separately and installed before initial operation on site.

**Fluid Compatibility**

**Fuel Oils**
- ULSD15, low sulfur diesel and high sulfur diesel
- Biodiesel blends
- Synthetic diesel and blends
- No. 2 fuel oil and heating oil