High Flow | Low Viscosity Housing Coalescer

*Coalescing Elements Patent-Pending

Applications

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
■ The Low Viscosity-Housing Coalescer LVH-C is mainly used for dewatering of diesel, making it especially suitable for applications with large amounts of water that need to be removed in just a single pass
■ The Optimicron® filter elements used ensure that both the required cleanliness and 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 ASME Code Section VIII rules and regulations for pressure vessels as well as the ability to certify to other global standards upon request.

Markets

Model no. of filter in photograph is: LVHCD440NVBTFZ

211-476 gpm
799-1802 L/min
150 psi
10 bar
Standard

SCHROEDER INDUSTRIES | FUEL FILTRATION
**High Flow | Low Viscosity Housing Coalescer**

**Filter Housing Specifications**

**Flow Rating:** 211-476 gpm (799-1802 L/min)

**Inlet/Outlet Connection:**
- ANSI 150#: 2”-12”
- DIN: DN50-DN300

**Max. Operating Pressure:** 150 psi (10 bar)

**Max. Ambient Temperature:** 122°F (50°C)

**Max. Operating Temperature:** 122°F (50°C)

**Material Housing:** Stainless Steel or Carbon Steel

**Dimensions**

LVH-C-D-4-40

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LVH-C-D-6-40

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## High Flow | Low Viscosity Housing Coalescer

### Filter Size (Model) | Maximum Flow Rate | Number of Coalescing Elements | Number of Separator Elements
---|---|---|---
LVH-CD-4 40 | 211 gpm | 4 pcs. | 3 pcs. |
LVH-CD-6 40 | 317 gpm | 6 pcs. | 4 pcs. |
LVH-CD-9 40 | 476 gpm | 9 pcs. | 6 pcs. |

### Filter Element Selection
Filter elements must be ordered separately and installed before initial operation on-site.

<table>
<thead>
<tr>
<th>Element</th>
<th>Model Code</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Separation Element 30”</td>
<td>N32ON-DSZ-SA80F</td>
<td>3910259</td>
</tr>
<tr>
<td>Coalescing Element 40”</td>
<td>N42ON-DCZ-CA60F</td>
<td>3910257</td>
</tr>
</tbody>
</table>
## 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

## How to Build a Valid Model Number for a Schroeder LVH-C 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>CD</td>
<td>4</td>
<td>E</td>
<td>B</td>
<td>V</td>
<td>F</td>
<td>D32</td>
<td>ZA</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Example:** Note:

LVH - CD - 4 - 40 - E - V - B - V - F - D32 - ZA = LVHCD440EVBVD32ZA

**Filter Series**
- LVH

**Functions**
- CD = Coalescing, Diesel Fuel

**Filter Size & Number of Elements per Housing**
- 4 = 4 coalescing & 3 separator elements
- 6 = 6 coalescing & 4 separator elements
- 9 = 9 coalescing & 6 separator elements

**Filter Element Length**
- 40 = 40"

**Housing Material**
- E = Stainless Steel
- N = Carbon Steel

**Mounting Pressure Range**
- V = Vertical

**Hydraulic Connection**
- B = 150 psi (10 bar)

**Sealing**
- F = Viton®

**Clogging Indicator**
- C12 = Differential pressure indicator, electrical
- D17 = Differential pressure indicator, visual/electrical (230V)
- D18 = Differential pressure indicator, visual/electrical (240V)
- D32 = Differential pressure indicator, visual/electrical (PVL2GW.0/ V-113)
- D33 = Differential pressure indicator, visual/electrical (PVL2GW.0/ 111-16)
- Z = Without clogging indicator

**Available Certification**
- ZA = ASME Certification

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

For flanges not listed, contact factory.