High Flow | Low Viscosity Housing Filter

*Coalescing Elements Patent-Pending

Applications

- Point of Use: Fuel Dispensing
- Fleet Fuel / Bulk Fuel Transfer
- Bulk Fuel Unloading
- Protection for High/Low Fuel Injection Systems
- Bulk Tank Refueling / Recirculation

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 ASME Code Section VIII rules and regulations for pressure vessels as well as the ability to certify to other global standards upon request.

Markets

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

Model no. of filter in photograph is: LVHF340NBRFZ

211-951 gpm
799-3600 L/min
150 psi
10 bar
Standard

SCHROEDER INDUSTRIES | FUEL FILTRATION 67
### Flow Rating:
211-951 gpm (799-3600 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:
158°F (70°C)

### Material Housing:
Stainless Steel or Carbon Steel

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**Dimensions LVH-F1**

**Dimensions LVH-F8**

Metric dimensions in ( ).

Dimensions shown are inches (millimeters) for general information and overall envelope size only. For complete dimensions please contact Schroeder Industries to request a certified print.
High Flow | Low Viscosity Housing Filter

The lower curve applies to diesel at 20°C (the upper curve is for mineral oil with viscosity to 30 cSt for comparison).

**Filter Size (Model)**
- LVH-F-1 40
- LVH-F-3 40
- LVH-F-4 40
- LVH-F-5 40
- LVH-F-8 40

**Maximum Flow Rate**
- 211 gpm
- 317 gpm
- 476 gpm
- 632 gpm
- 951 gpm

**Number of Filter Elements**
- 1 pc.
- 3 pcs.
- 4 pcs.
- 5 pcs.
- 8 pcs.

**Filter Calculation**

**Y-axis: Pressure Drop (bar)**
**X-axis: Flow Rate (L/min)**

**Element Designation Part No.**
- N42ON-DF003-FA40F 3965085
- N42ON-DF005-FA40F 3916691
- N42ON-DF010-FA40F 4055947

* Contact Factory for More Details
### How to Build a Valid Model Number for a Schroeder LVH-F Supplied with Element:

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<tr>
<th>BOX 1</th>
<th>BOX 2</th>
<th>BOX 3</th>
<th>BOX 4</th>
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<th>BOX 6</th>
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<td>F</td>
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**Example:**

NOTE:

LVHF340EVCVD12ZA

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- **Filter Series Functions**
  - **F** = Filter

- **Filter Size**
  - 1 = 1 filter element
  - 3 = 3 filter elements
  - 4 = 4 filter elements
  - 5 = 5 filter elements
  - 8 = 8 filter elements

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

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

- **Mounting**
  - **V** = Vertical
  - **H** = Horizontal

- **Pressure Range**
  - **B** = 150 psi (10 bar)
  - **C** = 232 psi (16 bar)

- **Hydraulic Connection**
  - **A2** = 2” ANSI 150# SORF
  - **A3** = 3” ANSI 150# SORF
  - **A4** = 4” ANSI 150# SORF
  - **A6** = 6” ANSI 150# SORF
  - **A8** = 8” ANSI 150# SORF
  - **L** = DIN DN 50
  - **R** = DIN DN 100
  - **V** = DIN DN 150
  - **W** = DIN DN 200
  - **Y** = DIN DN 300

- **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

### 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

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