Process Inline Filter

Filtration Rate: 1-90 μm
Operating Rate: 32°F - 194°F (0°C - 90°C)
Flow Rate: 881 gpm (4003 L/min)
Pressure Rating: 145 or 230 psi (10 or 16 bar)
Connections Inlet/Outlet: 6” Flange (DN 150)
Connection Discharge Line: G1” In-Line Version
G1/2” Outlet Version Downward
Filter Area: Contact Factory
Weight: 132 lbs (60 kg)
Volume: 13 gal (50 L)

1. Top row represents the 10 bar version | In-line (1-stage). Bottom row represents the 10 bar version | In-line (2-stage)
2. Drawings of the 16 bar versions, both 1-stage and 2-stage, are also available upon request.

### Filter Housing Specifications

<table>
<thead>
<tr>
<th>Filter Size</th>
<th>NW1 (mm)</th>
<th>NW2 (mm)</th>
<th>H Max. (mm)</th>
<th>h1 (mm)</th>
<th>h2 (mm)</th>
<th>h3 (mm)</th>
<th>b1 (mm)</th>
<th>b2 (mm)</th>
<th>D (mm)</th>
<th>d1 (mm)</th>
<th>Installation Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-stage</td>
<td>5.91 (150)</td>
<td>3.94 (100)</td>
<td>88.98 (2260)</td>
<td>70.28 (17.85)</td>
<td>77.95 (1980)</td>
<td>18.82 (478)</td>
<td>11.18 (284)</td>
<td>17.13 (435)</td>
<td>22.24 (565)</td>
<td>10.75 (273)</td>
<td>51.18 (1300)</td>
</tr>
<tr>
<td>2-stage</td>
<td>7.87 (200)</td>
<td>5.91 (150)</td>
<td>101.77 (2585)</td>
<td>78.94 (2005)</td>
<td>88.19 (2240)</td>
<td>22.91 (582)</td>
<td>14.45 (367)</td>
<td>20.24 (514)</td>
<td>26.38 (670)</td>
<td>12.75 (323.9)</td>
<td>40.06 (1170)</td>
</tr>
</tbody>
</table>

Notes:
- Filter size, housing material, and other specifications are provided in the table above.
- Drawings of the 16 bar versions, both 1-stage and 2-stage, are also available upon request.

**Part of the Schroeder Industries 2030 Initiative**
How to Build a Valid Model Number for a PLF1:

<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>
<th>BOX 12</th>
<th>BOX 13</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLF1</td>
<td>1</td>
<td>2</td>
<td>9HF</td>
<td>V</td>
<td>E1</td>
<td>S</td>
<td>C</td>
<td>E1</td>
<td>10</td>
<td>N</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

Example: NOTE: One option per box

PLF1-129HF-VE1SCE110N10

**Filter Series**

| PLF1 |

**Filter Size**

- For 9” High Flow or
- 1 = High Load Cascade filter elements
- 2 = For High Flow filter elements

**Filter Housing Length**

- 1 = Single-Stage
- 2 = Double-Stage

**Element Type**

- 6HF = 6” Filter element diameter
- High Flow
- 9HF = 9” Filter element diameter
- High Flow
- 9HLC = 9” filter element diameter

**Housing Material**

- E1 = Stainless Steel 1.4301
- E2 = Stainless Steel 1.4571
- SD = Superduplex
- D = Duplex
- A = w/ ANSI flanges “A” - readjusted additionally
- J = w/ JIS flanges “J” - readjusted additionally

**Design Code**

- S = Schroeder Standard
- A = ASME VIII Div. 1
- U = ASME VIII Div. 1 stamped
- E = EN 13445

**Connection Code**

- G2 = Thread G2” (size 2 only)
- C = DIN DN 50 / 2” ANSI
- E = DIN DN 80 / 3” ANSI (size 1 only)
- F = DIN DN 100 / 4” ANSI (size 1 only)
- K = DIN DN 150 / 6” ANSI (size 1 only)

**Internal Parts**

- Stainless steel 1.4301 or similar material (group 304)
- E1 = Stainless steel 1.4571 or similar material (group 316)
- SD = Superduplex (on request)
- D = Duplex (on request)

**Pressure Ranges**

- 10 = PN 10
- 16 = PN 16

**Seal Material**

- N = NBR
- V = FPM (Viton)
- E = EPDM

**Accessories**

- 0 = w/o
- 1 = w/ visual CI (PVD 2B.1)
- 2 = w/ visual-electric CI (PVD 2D.0/-L24)
- 3 = V01
- 4 = Differential pressure gauge aluminum w/ 2 adjustable switching contacts
- 5 = Differential pressure gauge stainless steel w/ 2 adjustable switching contacts
- 6 = w/ electric CI (PVD 2C.0_)
- 7 = PVL2GW.0/-V-110
- 8 = PVL2GW.0/-V-120

**Optional Fitting**

- 3 = Air-bleed valve made of stainless steel
- 4 = Ball valve for draining
- 5 = Flange
- 6 = Clamp connection
- 7 = Special industrial part washers design (TRA)
- 8 = Including solenoid technology
- 9 = Height adjustable 3 legged base design for PLF1-2-6HF TRA (Option 7)

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*For reservoirs made of stainless steel 1.4571 or similar material (group 316), use NBR or EPDM sealing material preferably.*