Automatic Twist Flow Strainer ATF-2, ATF-2.5, ATF-3

Filtration Rate: 200-3000 μm slotted tube only

Operating Rate: 32°F - 194°F (0°C - 90°C)

Housing Material: Stainless Steel or Carbon Steel

### Filter Housing Specifications

<table>
<thead>
<tr>
<th>Filter Size</th>
<th>NW in (mm)</th>
<th>H Max. in (mm)</th>
<th>h1 in (mm)</th>
<th>h2 in (mm)</th>
<th>h3 in (mm)</th>
<th>b1 in (mm)</th>
<th>b2 in (mm)</th>
<th>D in (mm)</th>
<th>d1 in (mm)</th>
<th>Installation Height in (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATF 2</td>
<td>1.97 (50)</td>
<td>45.67 (1160)</td>
<td>36.42 (925)</td>
<td>39.17 (995)</td>
<td>9.25 (235)</td>
<td>10.63 (270)</td>
<td>9.57 (243)</td>
<td>13.39 (340)</td>
<td>4.50 (114.3)</td>
<td>19.69 (500)</td>
</tr>
<tr>
<td>ATF 2.5</td>
<td>3.15 (80)</td>
<td>56.50 (1435)</td>
<td>44.88 (1140)</td>
<td>48.62 (1235)</td>
<td>12.40 (315)</td>
<td>8.66 (10.24)</td>
<td>11.02 (280)</td>
<td>15.55 (395)</td>
<td>5.50 (139.7)</td>
<td>25.59 (650)</td>
</tr>
<tr>
<td>ATF 3</td>
<td>3.94 (100)</td>
<td>68.90 (1750)</td>
<td>55.12 (1400)</td>
<td>59.06 (1500)</td>
<td>13.78 (350)</td>
<td>10.24 (260)</td>
<td>12.68 (322)</td>
<td>17.52 (445)</td>
<td>8.63 (219.1)</td>
<td>39.37 (1000)</td>
</tr>
</tbody>
</table>

### Filtration Rate:
- 200-3000 μm slotted tube only

### Operating Rate:
- 32°F - 194°F (0°C - 90°C)

### Housing Material:
- Stainless Steel or Carbon Steel

### Size: 2
- Flow Rate: 20-110 gpm (75-416 L/m)
- Pressure Rating: 145 or 230 psi (10 or 16 bar)
- Connections Inlet/Outlet: 2" Flange (DN 50)
- Connection Discharge Line: 2" Flange (DN 50)
- Filter Area: 55 in² (360 cm²)
- Weight: 132 lbs (60 kg)
- Volume: 3.5 gal (13.5 L)

### Size: 2.5
- Flow Rate: 65-260 gpm (246-984 L/m)
- Pressure Rating: 145 or 230 psi (10 or 16 bar)
- Connections Inlet/Outlet: 3" Flange (DN 80)
- Connection Discharge Line: 3" Flange (DN 80)
- Filter Area: 150 in² (966 cm²)
- Weight: 297 lbs (135 kg)
- Volume: 7.4 gal (28 L)

### Size: 3
- Flow Rate: 85-480 gpm (321-1816 L/m)
- Pressure Rating: 145 or 230 psi (10 or 16 bar)
- Connections Inlet/Outlet: 4" Flange (DN 100)
- Connection Discharge Line: 4" Flange (DN 100)
- Filter Area: 266 in² (1720 cm²)
- Weight: 440 lbs (200 kg)
- Volume: 14.5 gal (55 L)
### Automatic Twist Flow Strainer ATF-2, ATF-2.5, ATF-3

#### How to Build a Valid Model Number for a ATF-2, 2.5 and 3:

<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>ATF</td>
<td>2</td>
<td>EPZ</td>
<td>1</td>
<td>E</td>
<td>NN</td>
<td>10</td>
<td>0</td>
<td>X</td>
<td>UKS2</td>
<td>200</td>
</tr>
</tbody>
</table>

**Example:** NOTE: One option per box

= ATF2EPZ1ENN100XUKS2200

<table>
<thead>
<tr>
<th>HOW TO BUILD A VALID MODEL NUMBER FOR A ATF-2, 2.5 AND 3:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Example:</strong> NOTE: One option per box</td>
</tr>
<tr>
<td>BOX 1</td>
</tr>
<tr>
<td>-------</td>
</tr>
<tr>
<td>ATF</td>
</tr>
</tbody>
</table>

#### Filter Model Number Selection

- **Filter Series**
  - ATF

- **Size**
  - 2 = Inlet/outlet 2" ANSI flange
  - 2.5 = Inlet/outlet 3" ANSI flange
  - 3 = Inlet/outlet 4" ANSI flange

- **Control Type**
  - 0 = No controls/ No valve
  - M = Manual valve
  - EP = Electro-pneumatic discharge valve, without timer control
  - EPZ = Electro-pneumatic discharge valve, with timer control
  - E = Electric discharge valve, without timer control
  - EZ = Electric discharge valve, with timer control

- **Pressure Rating**
  - 10 = 145 psi (10 bar)
  - 16 = 230 psi (16 bar)

- **Housing Material**
  - N = Carbon Steel
  - E = Stainless Steel
  - A = for ANSI flanges, also add A
  - J = for JIS flanges, also add J
  - T = NPT thread (size 1 only), also add T
  - P = Internal Coating with 2-K polyurethane paint, also add P

- **Discharge Valve**
  - 0 = None
  - NN = Butterfly valve, cast housing coated, disc Stainless Steel, cuff BR (not available on size 1)
  - NE = Butterfly valve, cast housing coated, disc Stainless Steel, cuff EPDM (not available on size 1)
  - NV = Butterfly valve, cast housing coated, disc Stainless Steel, cuff Viton (not available on size 1)
  - BN = Butterfly valve, cast housing coated, disc Bronze, cuff NBR (not available on size 1)
  - BE = Butterfly valve, cast housing coated, disc Bronze, cuff EPDM (not available on size 1)
  - BV = Butterfly valve, cast housing coated, disc Bronze, cuff Viton (not available on size 1)
  - E = Ball valve Stainless Steel (size 1 only)
  - M = Ball valve brass (size 1 only)

- **Modification Number**
  - X = Latest version supplied by factory

- **Element Set**
  - UKS1 = Conical Slotted Tube for size 1
  - UKS2 = Conical Slotted Tube for size 2
  - UKS2.5 = Conical Slotted Tube for size 2.5
  - UKS3 = Conical Slotted Tube for size 3
  - UKS3.5 = Conical Slotted Tube for size 3.5
  - UKS4 = Conical Slotted Tube for size 4

- **Filtration Rating**
  - 200 = 200 µm (not for size 4)
  - 300 = 300 µm (not for size 4)
  - 500 = 500 µm
  - 1000 = 1000µm
  - 2000 = 2000µm
  - 3000 = 3000µm

---

**SCHROEDER INDUSTRIES | PROCESS FILTRATION**

61