## Automatic Twist Flow Strainer ATF-3.5, ATF-4

### Filter Housing Specifications

<table>
<thead>
<tr>
<th>Filter Size</th>
<th>NW1 in (mm)</th>
<th>NW2 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 3.5</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>ATF 4</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>

### 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
- 3.5
- 4

### Flow Rate
- 350-965 gpm (1324-3652 L/m)
- 440-1760 gpm (1665-6662 L/m)

### Pressure Rating
- 145 or 230 psi (10 or 16 bar)
- 145 or 230 psi (10 or 16 bar)

### Connections Inlet/Outlet
- 6" Flange (DN 150)
- 8" Flange (DN 200)

### Connection Discharge Line
- 4" Flange (DN 100)
- 6" Flange (DN 150)

### Filter Area
- 540 in² (3500 cm²)
- 605 in² (3900 cm²)

### Weight
- 578 lbs (263 kg)
- 920 lbs (418 kg)

### Volume
- 34 gal (130 L)
- 60 gal (230 L)
### How to Build a Valid Model Number for an ATF-3.5, 4:

Example: NOTE: One option per box

<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>3.5</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>

= ATF3.5EPZ1ENN100XUKS3.5200

### Box 1
- **Filter Series**: ATF

### Box 2
- **Size**:
  - 3.5 = Inlet/outlet 6” ANSI flange
  - 4 = Inlet/outlet 8” ANSI flange

### Box 3
- **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

### Box 4
- **Voltage**:
  - 1 = 230 VAC, 60 Hz, Single Phase
  - 2 = 110 VAC, 60 Hz, Single Phase
  - 3 = 24 VAC, 60 Hz, Single Phase
  - 4 = 24 VDC

### Box 5
- **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-X polyurethane paint, also add P

### Box 6
- **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)

### Box 7
- **Pressure Rating**:
  - 10 = 145 psi (10 bar)
  - 16 = 230 psi (16 bar)

### Box 8
- **Accessories**:
  - 0 = None
  - 1 = Base frame (sizes 2, 2.5 and 3 only)
  - 2 = Mounting clips (sizes 2, 2.5 and 3 only)
  - 3 = Differential pressure gauge in aluminum (fitted to customer’s equipment)
  - 4 = Differential pressure gauge in stainless steel (fitted to customer’s equipment)
  - 5 = Differential pressure gauge in brass (fitted to customer’s equipment)

### Box 9
- **Modification Number**:
  - X = latest version supplied by factory

### Box 10
- **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

### Box 11
- **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