### Automatic Twist Flow Strainer ATF-1

**Filter 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>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 1</td>
<td>0.04 (1)</td>
<td>19.29 (490)</td>
<td>17.52 (445)</td>
<td>18.50 (470)</td>
<td>4.06 (103)</td>
<td>4.92 (125)</td>
<td>8.27 (210)</td>
<td>3.00 (76.1)</td>
<td>13.78 (350)</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:** 1

**Flow Rate:** 8-35 gpm (30-132 L/m)

**Pressure Rating:** 230 psi (16 bar)

**Connections Inlet/Outlet:** 1" NPT (G 1")

**Connection Discharge Line:** 1" NPT (G 1")

**Filter Area:** 23 in² (150 cm²)

**Weight:** 33 lbs (15 kg)

**Volume:** 0.5 gal (1.8 L)
### How to Build a Valid Model Number for an ATF-1:

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

**Filter Series**
- ATF

**Size**
- 1 = Inlet/outlet 1" NPT

**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)

**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

**Housing Material**
- N = Carbon 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

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

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

**Modifications**
- 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 = 1000 µm
- 2000 = 2000 µm
- 3000 = 3000 µm