**FLOW**

**SERIES SFI-800 | W. E. ANDERSON® BY DWYER**

**SIGHT FLOW INDICATORS/TRANSMITTERS**

Low Cost, Optional Output for Flow Rate and Totalization

UV Stabilized Polycarbonate Model

**SFI-800**

**SFI-801**

**SFI with A-711 Option**

The Series SFI-800 Sight Flow Indicators/Transmitters are low cost, durable rotor style flow indicators with optional Hall Effect magnetic output packages to combine visual confirmation of flow with optional remote flow monitoring. There are three output sensors available, the A-711 offering two pulsed voltage signals proportional to flow rate, the A-712 which outputs a linear 1 to 10 VDC signal proportional to flow rate, and the A-713 which offers two programmable open collector switch outputs.

The Model A-711 is a unique and patent pending sensor that outputs two pulsed voltage signals with one providing a 5 VDC pulse and the other a pulse of the input supply voltage, ranging from 8 to 18 VDC.

The Model A-712 is a sensor that outputs a linear 1 to 10 VDC signal proportional to flow rate.

The Model A-713 is a sensor that outputs a linear 1 to 10 VDC signal proportional to flow rate.

**FEATURES/BENEFITS**

- Constructed of clear plastic enabling 360° viewing of the rotor for easy flow indication
- The SFI-800 models are constructed of Polysulfone with excellent chemical compatibility, high pressure and temperature ratings, and all wetted materials are FDA/NSFetable for potable water applications
- SFI-801 models are constructed of UV stabilized Polycarbonate making them ideal for outdoor applications and easy view bright red impeller
- All three output packages can be installed or replaced in the field without any tools and without removing the in-line transmitter
- Units are weather-tight for outdoor or wash-down area use
- A-713 features a user-friendly set point button which is set at the desired flow rate with red LED indication of switch status

**APPLICATIONS**

- Cooling and lubrication systems
- HVAC systems
- Aggressive chemical metering
- Batching systems

**MODEL CHART - BODY ONLY**

**Polysulfone Body Model**

- **SFI-800-1/2**
  - Indicator only: 2 to 20 (7.6 to 75.5) GPM (1.9 to 246 LPM)
  - Female NPT: 1/2"

- **SFI-800-3/4**
  - Indicator only: 3 to 35 (11.4 to 132.5) GPM (41 to 500 LPM)
  - Female NPT: 3/4"

- **SFI-800-1/2-LF**
  - Indicator only: 0.5 to 6.5 (1.9 to 24.6) GPM (7.6 to 91 LPM)
  - Female NPT: 1/2"

**Poly carbonate Body Model**

- **SFI-801-1/2**
  - Indicator only: 2 to 20 (7.6 to 75.5) GPM (1.9 to 246 LPM)
  - Female NPT: 1/2"

- **SFI-801-3/4**
  - Indicator only: 3 to 35 (11.4 to 132.5) GPM (41 to 500 LPM)
  - Female NPT: 3/4"

- **SFI-801-1/2-LF**
  - Indicator only: 0.5 to 6.5 (1.9 to 24.6) GPM (7.6 to 91 LPM)
  - Female NPT: 1/2"

**MODEL CHART - SENSOR ONLY**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Range GPM (LPM)</th>
<th>Connection Female NPT</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-711</td>
<td>Pulsed output</td>
<td>2 to 20 (7.6 to 75.5)</td>
<td>1/2</td>
</tr>
<tr>
<td>A-712</td>
<td>To 10 VDC</td>
<td>3 to 35 (11.4 to 132.5)</td>
<td>3/4</td>
</tr>
<tr>
<td>A-713</td>
<td>Two open collectors</td>
<td>0.5 to 6.5 (1.9 to 24.6)</td>
<td>2/</td>
</tr>
</tbody>
</table>

**OPTIONS - BODY AND SENSORS ATTACHED**

To order add suffix: Description

- **A711**
  - A-711 attached to flow indicator body
  - Example: SFI-800-1/2-A711

- **A712**
  - A-712 attached to flow indicator body
  - Example: SFI-800-1/2-A712

- **A713**
  - A-713 attached to flow indicator body
  - Example: SFI-800-1/2-A713

**SERIES SFI-100T | W. E. ANDERSON® BY DWYER**

**SIGHT FLOW INDICATOR/TRANSMITTER**

Output for Flow Rate and Totalization

The Series SFI-100T Sight Flow Indicator/Transmitter is a low cost and durable flow transmitter that combines our popular 100 Series Sight Flow Indicator with our A-711T output sensor for visual and remote readings of flow. The A-711T output sensor has two pulsed voltage signals with one providing a 5 VDC pulse, the other a pulse of the input supply voltage, ranging from 8 to 28 VDC and a pulsed output with a frequency change proportional to the flow rate.

**FEATURES/BENEFITS**

- Constructed of a robust, solid brass body and a tempered glass window
- Bright red impeller yields great visual indication of flow through the window
- Front window can be easily unscrewed to clean out the sight flow indicator
- Ideal for outdoor applications with weatherproof body that is unaffected by UV light

**APPLICATIONS**

- Cooling and lubrication circuits
- HVAC systems
- Monitoring chilled or hot water flow
- Monitoring water flow in chillers

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Range GPM (LPM)</th>
<th>Connection Female NPT</th>
</tr>
</thead>
<tbody>
<tr>
<td>SFI-100T-1/2-A711T</td>
<td>Brass indicator with A-711T sensor</td>
<td>2 to 20 (7.6 to 75.5)</td>
<td>1/2</td>
</tr>
<tr>
<td>SFI-100T-3/4-A711T</td>
<td>Brass indicator with A-711T sensor</td>
<td>3 to 35 (11.4 to 132.5)</td>
<td>3/4</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

**Series:** Compatible fluids.

**Wetted Materials:** Body: Brass; Window: Tempered glass; Rotor: Red UV stabilized poly carbonate; Rotor: Red UV stabilized poly carbonate; Rotor: Red UV stabilized Poly carbonate; Rotor: White Poly carbonate; SFI-800: Red UV stabilized Poly carbonate; Rotor: 316 SS; Thrust washers: 300 Series SS; O-ring: SFI-800; Fluororolastomer (NSF grade); SFI-801: Buna-N.

**SPECIFICATIONS (for A-712 option only)**

**Temperature Limits:** -20 to 212°F (-29 to 100°C)

**Power Requirements:** 15 to 28 VDC.

**Output Signal:** White lead: 1 to 10 VDC output.

**Accuracy:** ±5% FS

**Electrical Connections:** Black lead: Ground; Red lead: 15 to 28 VDC output.

**SPECIFICATIONS (for A-713 option only)**

**Temperature Limits:** -20 to 212°F (-29 to 100°C)

**Power Requirements:** 8 to 28 VDC.

**Output Signal:** White lead: Normally open switch; Green lead: Normally closed switch; Black lead: Ground; Red lead: 8 to 28 VDC output.

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**+ USA: California Proposition 65**

**△WARNING: Cancer and Reproductive Harm**

- www.P65Warnings.ca.gov