SIGHT FLOW INDICATORS/TRANSMITTERS
Low Cost, Optional Output for Flow Rate and Totalization
UV Stabilized Polycarbonate Model

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 used, 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 with two programmable open collector switch outputs with one output closed above the set point and the other output closed below the set point ideal for low flow or high flow indication.

FEATURES/BENEFITS
- Constructed of clear plastic enabling 360° viewing of the rotor for easy flow indication
- SFI-800 models are constructed of Polysulfone with excellent chemical compatibility, high pressure and temperature ratings, and all wetted materials are FDA/NSF rated 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 impeller
- 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 circuits
- HVAC systems
- Aggressive chemical metering
- Batching systems

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>1 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>1/2</td>
</tr>
</tbody>
</table>

Polyethylene Body Model
- Indicator only
- Black lead: 8 to 28 VDC supply.
- Green lead: Normally closed; Red lead: Open.

MODEL CHART - BODY ONLY

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<th>Description</th>
<th>Range GPM (LPM)</th>
<th>Connection Female NPT</th>
</tr>
</thead>
<tbody>
<tr>
<td>SFI-800-1/2</td>
<td>Indicator only</td>
<td>3 to 30 (11.4 to 113.25)</td>
<td>3/4</td>
</tr>
<tr>
<td>SFI-800-1/2-LF</td>
<td>Indicator only</td>
<td>0.5 to 6.5 (1.9 to 24.6)</td>
<td>1/2</td>
</tr>
</tbody>
</table>

Polyethylene Body Model
- Indicator only
- Green lead: Normally closed; Red lead: Open.

SPECIFICATIONS

- Service: Compatible fluids.
- Temperature Limits: SFI-800: -20 to 212°F (-29 to 100°C); SFI-801: -20 to 150°F (-29 to 65°C).
- Pressure Limits: SFI-800: 150 psi (10.34 bar); SFI-801: 125 psi (8.62 bar).
- Weight: SFI-800: 3.35 oz (95 g); SFI-801: A711: 5.0 oz (142 g).

SIGHT FLOW INDICATORS/TRANSMITTERS
SERIES SFI-100T | BY DWYER
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 monitoring 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 used, 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

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<tr>
<th>Model</th>
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<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 22 (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>

OPTIONS - BODY AND SENSORS ATTACHED

To order add suffix: Description
- A711: A-711 attached to flow indicator body.
- A712: A-712 attached to flow indicator body.
- A713: A-713 attached to flow indicator body.
- A717: A-717 attached to flow indicator body.
- A718: A-718 attached to flow indicator body.

SPECIFICATIONS

- Service: Compatible fluids.
- Wetted Materials: Body: Brass: Window: Tempered glass; Rotor: Red UV stabilized PBT; Rotor Pin: 316 SS; Thrust washers: 300 Series SS; Gasket: Buna-N.
- Temperature Limits: -20 to 200°F (-29 to 93°C).
- Pressure Limits: 150 psi (10.34 bar).
- Viscosity Max: 200 SSU.
- Weight: SFI only: 1.8 lb (0.8 kg).

ELECTRICAL SPECIFICATIONS

- Power Requirements: 5 to 28 VDC.
- Output Signal: Rotor Lead: Black lead; Ground: Red lead.
- Accuracy: ±5% FS.
- Electrical Connections: Black lead: Ground; Rotor lead: Red lead.