Flow Transmitters, Paddlewheel

**Sight Flow Indicator/Transmitter**

*Low Cost, Optional Output for Flow Rate and Totalization*

UV Stabilized Polycarbonate Model

**Series SFI-800**

The Series SFI-800 Sight Flow Indicator is a low cost, durable rotor style flow indicator with optional Hall effect magnetic output packages for remote flow monitoring. Both SFI-800 and 801 models are constructed of clear plastic enabling 360° viewing of the spinning 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 ratable for potable water applications. SFI-801 models are excellent chemical compatibility, high pressure and temperature ratings, and all wetted materials do not meet FDA/NSF. The SFI-801 models also feature an easy view bright red impeller.

**Body and Sensors Attached:**

To order A-711 attached to flow indicator body add suffix -A711 to the body part number.  
Example: SFI-800-1/2-A711 ...................... add $48.25 to body price.

To order A-712 attached to flow indicator body add suffix -A712 to the body part number.  
Example: SFI-800-1/2-A712 ...................... add $73.50 to body price.

To order A-713 attached to flow indicator body add suffix -A713 to the body part number.  
Example: SFI-800-1/2-A713 ...................... add $83.50 to body price.

**SENSOR ONLY**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price*</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-711</td>
<td>Pulsed Output</td>
<td>$54.50</td>
</tr>
<tr>
<td>A-712</td>
<td>1 to 10 VDC</td>
<td>82.00</td>
</tr>
<tr>
<td>A-713</td>
<td>Two Open Collectors</td>
<td>91.50</td>
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</table>

*Sensor only, not attached to the flow indicator body.

**BODY ONLY**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Range GPM (LPM)</th>
<th>Connection Female NPT</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>SFI-800-1/2</td>
<td>Indicator Only</td>
<td>2-20 (7.6-75.5)</td>
<td>1/2</td>
<td>$40.25</td>
</tr>
<tr>
<td>SFI-800-3/4</td>
<td>Indicator Only</td>
<td>3-35 (11.4-132.5)</td>
<td>3/4</td>
<td>40.25</td>
</tr>
<tr>
<td>SFI-800-1/2-LF</td>
<td>Indicator Only</td>
<td>0.5-6.5 (1.9-24.6)</td>
<td>1/2</td>
<td>46.75</td>
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<tr>
<td>Polycarbonate</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SFI-801-1/2</td>
<td>Indicator Only</td>
<td>2-20 (7.6-75.5)</td>
<td>1/2</td>
<td>$40.25</td>
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<tr>
<td>SFI-801-3/4</td>
<td>Indicator Only</td>
<td>3-35 (11.4-132.5)</td>
<td>3/4</td>
<td>40.25</td>
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<td>SFI-801-1/2-LF</td>
<td>Indicator Only</td>
<td>0.5-6.5 (1.9-24.6)</td>
<td>1/2</td>
<td>46.75</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

Service: Compatible fluids.

Wetted Materials:
- Body: SFI-800: Polysulfone; SFI-801: UV stabilized polycarbonate;
- Window: SFI-800: Polysulfone; SFI-801: UV stabilized polycarbonate;
- Rotor: SFI-800: White polysulfone; SFI-801: Red UV stabilized PBT;
- Thrust washers: 300 Series SS;
- O-ring: SFI-800: Fluoroelastomer (NSF grade); SFI-801: Buna-N.

Temperature Limits:
- SFI-800: -20 to 212°F (-29 to 100°C); SFI-801: -20 to 130°F (-29 to 55°C).

Pressure Limits:
- SFI-800: 150 psi (10.34 bar); SFI-801: 125 psi (8.62 bar).

Viscosity Max: 200 SSU.

Weight:
- SFI-800: 3.35 oz (95 g); SFI-800-A711: 5.0 oz (142 g).

**ELECTRICAL SPECIFICATIONS (for A-711 Option Only)**

- Temperature Limits: 20 to 212°F (-29 to 100°C).
- Power Requirements: 8 to 28 VDC.
- Output Signal: White lead: 5 VDC; Green lead: 8 to 28 VDC equal to supply voltage. Pulsed output with frequency rate proportional to flow rate.
- Accuracy: ±5% of F.S.
- Frequency Output Range: 0 to 100 Hz.
- Electrical Connections: Black lead - ground; White lead: 5 VDC out pulse; Green lead: 8 to 28 VDC out pulse; Red lead: 8 to 28 VDC supply.

**ELECTRICAL 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.
- Accuracy: ±5% of F.S.
- Electrical Termination: Black lead - ground; Red lead: 15 to 28 VDC input; White lead: 1 to 10 VDC output.

**ELECTRICAL 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. Both open collector, 100 mA max, 28 VDC max.
- Electrical Connections: Black lead: Ground; White lead: Normally open; Green lead: Normally closed; Red lead: 8 to 28 VDC.