OMEGA’s FST-320 Series thermal dispersion flow switches, especially designed for use with gases, sense changes in the heat transfer characteristics of the gases. Flow velocities from 1 to 90 fps are effectively monitored. The flow switch incorporates a standard SPST Relay switch output for control flexibility. OMEGA® controllers can easily be interfaced to perform a variety of control functions. The FST-320 family of sensors can be easily installed in line sizes ranging from ¼ to 12".

**SPECIFICATIONS**

- **Range:** 1 to 90 fps
- **Accuracy:** ±5% of setpoint at constant temperature and flow rate
- **Response Time (Approx.):** 10 sec, after initial 30 sec warm up
- **Set Point Drift with Fluid Temperature:** 0.5% per °C
- **Voltage Input:** 12 to 36 Vdc @ 70 mA
- **Contact Output:** Selectable, NO or NC states
- **Fluid Temp. Rating:** 0 to 60°C (32 to 140°F)
- **Maximum Fluid Pressure:** PP: 150 psi @ 25°C (77°F) derated @ 1.667 psi per °C above 25°C (77°F)
- **Contact Materials:** Polypropylene (PP) with PVDF
- **Cable Length:** 3 m (10’)
- **Maximum Cable Run:** 305 m (1000’)
- **Dimensions:** 76.2 or 114.3 x 26.7 mm (3.0 or 4.5 x 1.05"), ¾ NPT

**To Order**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Material</th>
<th>Size</th>
<th>Use with Pipe Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>FST-321-SPST</td>
<td>PP/PVDF</td>
<td>3&quot; x ¾ NPT</td>
<td>¼ to 1½&quot;</td>
</tr>
<tr>
<td>FST-322-SPST</td>
<td>PVDF</td>
<td>3&quot; x ¾ NPT</td>
<td>¼ to 1½&quot;</td>
</tr>
<tr>
<td>FST-323-SPST</td>
<td>PP/PVDF</td>
<td>4.5&quot; x ¾ NPT</td>
<td>2 to 12&quot;</td>
</tr>
<tr>
<td>FST-324-SPST</td>
<td>PVDF</td>
<td>4.5&quot; x ¾ NPT</td>
<td>2 to 12&quot;</td>
</tr>
</tbody>
</table>

Comes complete with operator’s manual.

Two extended cable lengths available: for 7.62 m (25’) add suffix “-25” for additional cost for PP/PVDF, or PVDF; for 15.24 m (50’) add suffix “-50” for additional cost, for PP/PVDF or for PVDF.

FST-323-SPST, polypropylene flowswitch, 4.5 x ¾ NPT.