AVERAGING FLOW SENSORS
Ideal for Sensing Fan Flow Rates

The Series PAFS-1000 Averaging Flow Sensors are ideal for sensing velocity pressure in the inlet section of variable air volume terminal units and fan terminal units.

FEATURES/BENEFITS
• Simple mounting flange works with both round or rectangular ducts

APPLICATIONS
• Zone control in HVAC systems
• Retrofit HVAC air flow measurement

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Length (Dim. A) in (cm)</th>
<th>Model</th>
<th>Length (Dim. A) in (cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAFS-1002</td>
<td>3-5/32 (8.02)</td>
<td>PAFS-1007</td>
<td>14-3/4 (37.47)</td>
</tr>
<tr>
<td>PAFS-1003</td>
<td>5-13/32 (13.73)</td>
<td>PAFS-1008</td>
<td>17-1/8 (43.50)</td>
</tr>
<tr>
<td>PAFS-1004</td>
<td>7-21/32 (19.55)</td>
<td>PAFS-1009</td>
<td>19-13/32 (49.29)</td>
</tr>
<tr>
<td>PAFS-1005</td>
<td>9-29/32 (25.26)</td>
<td>PAFS-1010</td>
<td>21-21/32 (55.01)</td>
</tr>
<tr>
<td>PAFS-1006</td>
<td>12-1/2 (31.75)</td>
<td>PAFS-1011</td>
<td>23-29/32 (60.72)</td>
</tr>
</tbody>
</table>

AVERAGING FLOW GRID
Cost Effective Air Flow Station for Ducts up to 60”

The Series AFG Averaging Flow Grid is a fundamental pressure-sensing device designed to sense velocity pressure in an air duct. When this output is connected to a suitable measuring instrument (i.e. manometer, pressure transducer, etc.) it may be used to determine air velocity or air flow rate.

FEATURES/BENEFITS
• Kit complete with 2 probes and installation hardware
• Trimtable length for any duct size up to 60”
• Alternative to costly air flow stations

APPLICATIONS
• To display differential pressure, velocity or volume flow using a micro manometer, gage or transmitter
• To give a warning of over or under flow rate using a pressure switch
• To control air supply in a system by connecting the grid to a pressure transmitter with an electrical output which can be used to feed into a control system
• To display differential pressure on a simple fluid manometer to give visual indication of changes in volume flow rate in the duct

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Diameter Tube (Dim. A) in (mm)</th>
<th>Length (Dim. B) in (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFG-1</td>
<td>5/16 (8)</td>
<td>27 (688)</td>
</tr>
<tr>
<td>AFG-2</td>
<td>5/8 (16)</td>
<td>59-4/5 (1518)</td>
</tr>
</tbody>
</table>

SPECIFICATIONS

Service: Air and compatible gases.
Temperature Limits: Operating: 40 to 120°F (4 to 49°C); Storage: -40 to 140°F (-40 to 60°C).
Process Connection: 1/4” (6 mm) ID, 3/8” (10 mm) OD tubing.
Mounting Orientation: Integral flange with gasket.
Weight: 1 oz (28 g).
Agency Approvals: Meets the technical requirements of EU Directive 2011/65/EU (RoHS II).