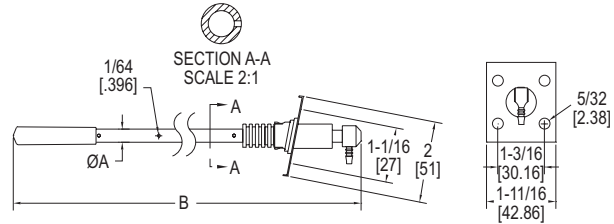
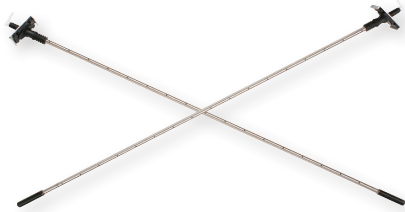


Dwyer**SERIES AFG**

AVERAGING FLOW GRID

Cost Effective Air Flow Station for Ducts up to 60"



The **SERIES AFG** 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
- Trimmable 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

SPECIFICATIONS

Service: Monitor air or compatible gas flow.

Wetted Materials: 304 SS, PVC, polyurethane, acetyl plastics, and neoprene rubber.

Accuracy: $\pm 5\%$.

Maximum Temperature: 176°F (80°C).

Velocity Range: 295.2 ft/min to 5904 ft/min (1.5 to 30 m/s).

Diameter of Tubes: 5/16" (8 mm) or 5/8" (16 mm).

Maximum Duct Diagonal: 60.4" (153.4 cm).

Maximum Duct Diameter: 59.4" (150.9 cm).

Process Connections: 5/16" barbed.

Weight: AFG-1: 1 lb (454 g); AFG-2: 3 lb (1361 g).

MODEL CHART

| Model | Diameter Tube (Dim. A) in (mm) | Length (Dim. B) in (mm) |
|-------|--------------------------------|-------------------------|
| AFG-1 | 5/16 (8) | 27 (688) |
| AFG-2 | 5/8 (16) | 59-4/5 (1518) |