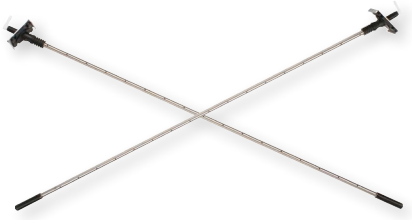
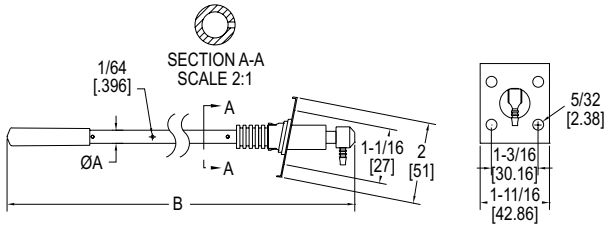
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SERIES AFG

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.

BENEFITS/FEATURES

- 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: ±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)