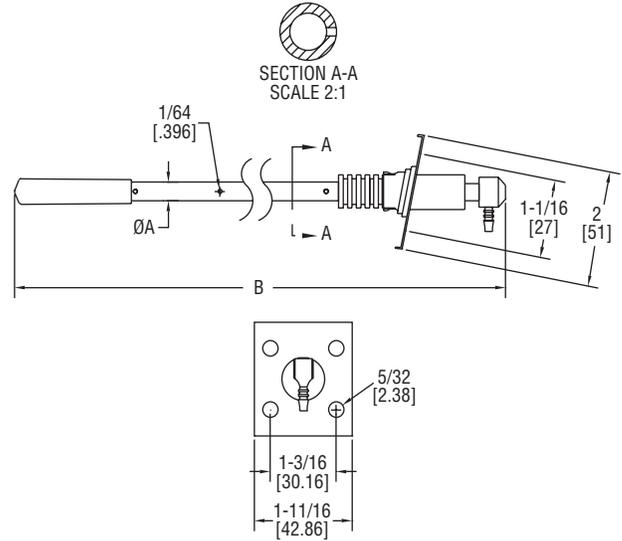
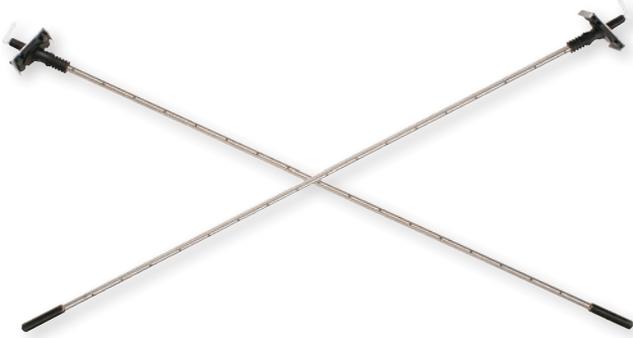


# AVERAGING FLOW GRID

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:** ±5%.  
**Maximum Temperature:** 176°F (80°C).  
**Velocity Range:** 295.2 ft/min to 5904 ft/min (1.5 to 30 m/sec).  
**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)