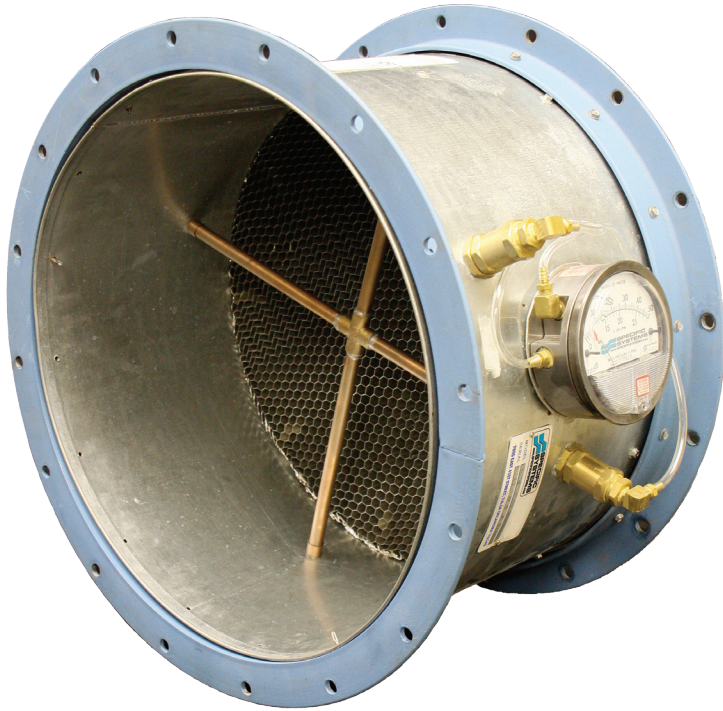


## FLO-TRAC AIRFLOW MEASURING STATION



### SUGGESTED SPECIFICATIONS

Airflow Measuring Stations shall be of the multiple averaging Pitot, static pressure sensor type, with all total pressure sensors distributed for equal-area averaging of flows. They shall be of unitary (spool-piece) construction, of not less than 16-gauge sheet steel with flanged duct connections. Flow-straightening vanes shall be incorporated into the structure. Internal Pitot and static sensor shall be constructed of copper to ASTM B88 standards. Instrument connections shall be 1/2" NPT female. Mounting Hardware shall not penetrate the sensor assembly.

### PRODUCT APPLICATION

Specific Systems FLO-TRAC Airflow Measuring Stations (AMS) provide accurate, repeatable measurement of air movement through ducts and piping. Lightweight, rugged construction coupled with ease of installation and economical pricing make these devices particularly applicable to the HVAC trade. Durable, quality construction ensures long-term, trouble-free operation. FLO-TRAC AMS are compatible with manometers, differential pressure gauges, and differential pressure transmitters used for airflow indication and control.

### PRODUCT DESCRIPTION

FLO-TRAC AMS use multiple averaging Pitots to determine total velocity and static pressure measurements. The Pitot sensors are placed across the flow stream according to industry standards for equal-area averaging (the standard Pitot traverse). FLO-TRAC's unique AMS construction eliminates non-essential hardware that can cause build-up of dirt and foreign matter on the measuring assembly.

FLO-TRAC Airflow Measuring Stations are available in 12", 16", 18", and 24" diameter round configurations. All sizes feature a sensor assembly that allows for duct expansion and contraction. The flanged steel casing has an aluminum, hexagon-celled straightening vane that is mechanically fastened to the inlet. This eliminates turbulence and corrects flow direction, thereby increasing the velocity profile.

### AVAILABLE OPTIONS

- Please contact Specific Systems about the other available options.
- Bolt hole flanges
  - Adapter flanges: 24" x 18", 18" x 16", 18" x 12", 16" x 12"
  - Special instrument connections (Please specify when ordering)
  - Meter Range Options: 300-2800, 500-2800, 500-4000
  - All welded construction

### Specifications for Standard Units

<b>ACCURACY</b>	+/- 2% to 6000 ft per min (+/-0.5% at 2000 ft/min)	<b>CASING</b>	16-gauge galvanized sheet metal
<b>TEMPERATURE</b>	Maximum operating, 400°F	<b>DIMENSIONS</b>	Flange size x 12"
<b>PRESSURE</b>	Maximum operating, 6-in w.c.	<b>PITOT AND STATIC SENSORS</b>	Rigid copper, hard drawn, to ANSI H23.1 and ASTM B88 standards
<b>PRESSURE DROP</b>	Less than 0.13-in w.c. at 2,000 ft/min w/3/8" cell	<b>INTERNAL FITTINGS</b>	Copper, to ANSI B16.22 standards
<b>FLOW STRENGTHENING VANES</b>	3/8" aluminum hexagon cell	<b>PROCESS CONNECTIONS:</b>	1/2-in. NPT Female
<b>MAXIMUM DESIGN FLOW</b>	6,000 ft/min		