



# PRESSURE

## AIR PRESSURE SENSORS

**A-300 SERIES, 60681, 21122**

### DESCRIPTION

#### Static Pressure Sensors

**A-300 Series Sensors** are used with pressure transmitters and pressure switches to sense duct pressures. Two sensors are required to monitor pressure across coils, filters, and blowers. **A-301-K** and **A-302-K** have four radial sensing holes and a 4" (10.2 cm) insertion depth. The **A-308-K** should be used only where accuracy is not critical. All mount in a 3/8" hole in the duct. If the interior of the duct is not accessible, an optional **A-345-K** flange mounting kit may be used.

#### Room Static Pressure or Total Pressure Sensor Kit

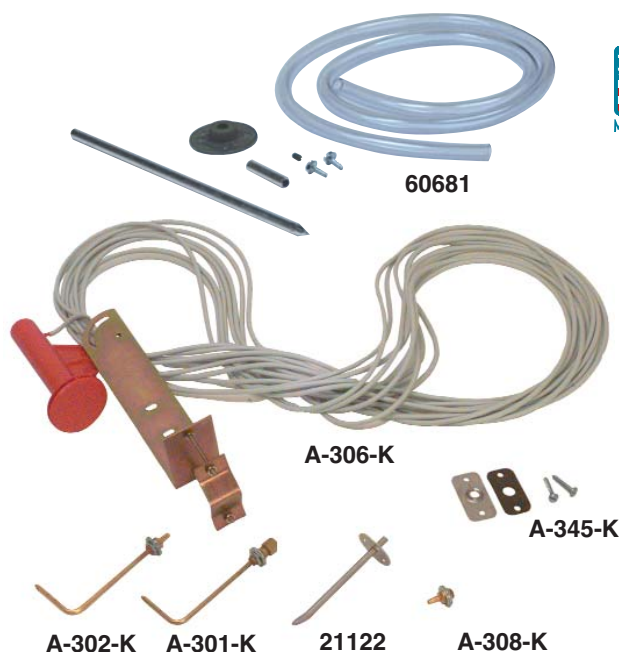
The versatile **Model 60681 Pressure Sensing Kit** is used for monitoring static pressure (aspiration) or total pressure (impact). The kit includes a 7" (17.8 cm) universal sensing probe, adjustable mounting flange, 1/4" adapter, and 3 ft (0.9m) length of tubing (1/4" ID x 3/8" OD). For total (impact) pressure applications, install the curved tip opening facing into the air stream or away from the air stream for vacuum applications.

#### Total Pressure Sensor

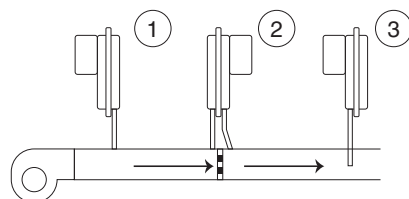
**Model 21122 Sensor** is used primarily for proving air-flow in ducts. The opening in the tip of the 4" (10.2 cm) aluminum tube faces upstream and senses impact (total) pressure.

#### Outdoor Static Pressure Sensor

The **A-306-K Outdoor Static Pressure Sensor Kit** provides an outdoor pressure signal for reference in building pressurization applications. The **A-306-K** includes the sensor, 50' (15.24m) of vinyl tubing, mounting bracket,



### TYPICAL APPLICATIONS



1. Positive static pressure increases as the filter gets dirty.
2. Differential across filter changes as filter gets dirty.
3. Flow is reduced as filter gets dirty.



4. Negative pressure increases as the filter gets dirty.
5. Fan operation and true air flow: varying amounts of static pressure. Probes must be perpendicular to air flow.

### ORDERING INFORMATION

MODEL	DESCRIPTION
A-301-K	Duct static pressure tip, 1/4" compression
A-302-K	Duct static pressure tip, 1/4" barb
A-308-K	Duct static pressure fitting, 1/4" barb
A-345-K	Flange mounting kit
60681	Static or total pressure sensing kit
21122	4" aluminum impact tube for 3/8" OD plastic tubing
B-137	1/4" barb adapter for #21121 (standard pack-50)
A-306-K	Outdoor air static pressure kit