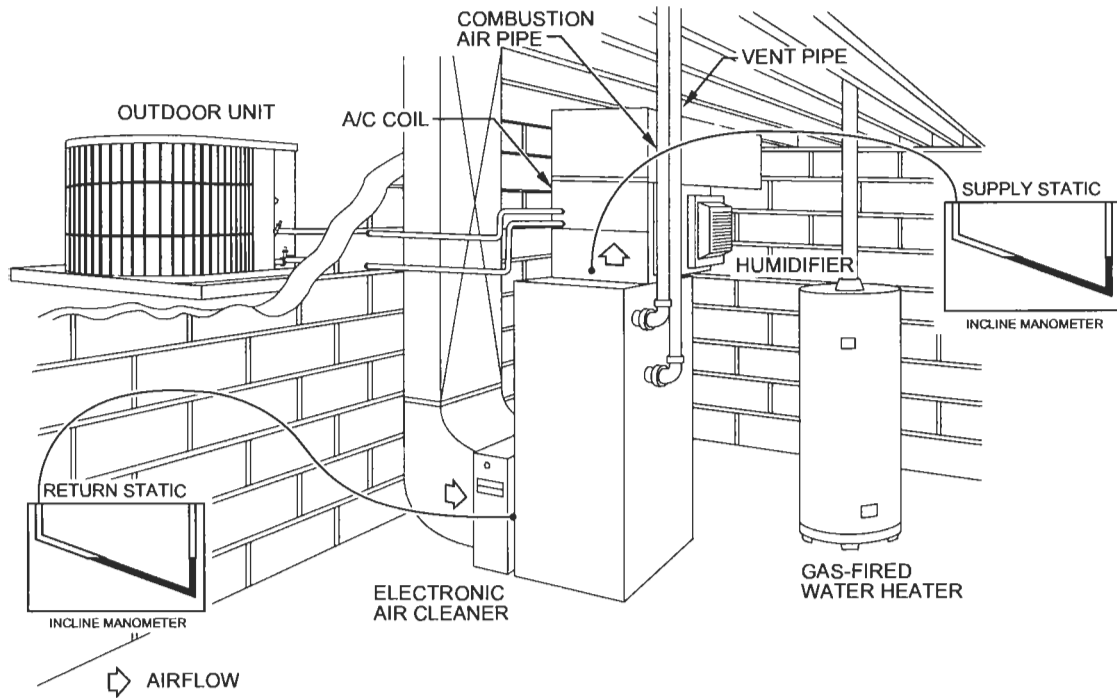


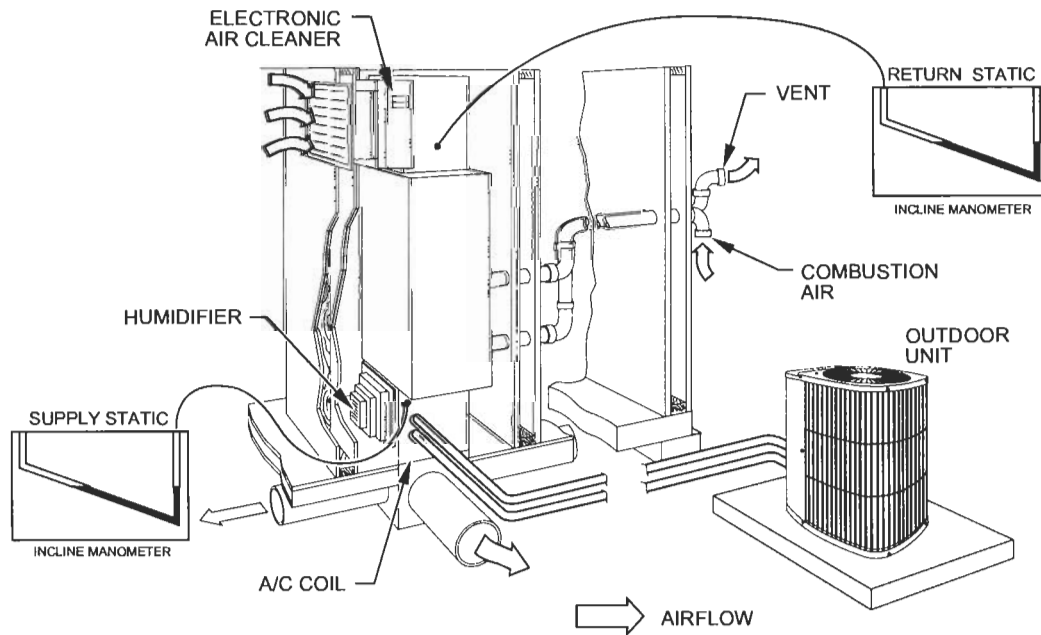
# Static Pressure Reading Location Diagrams



Basement — Upflow Application

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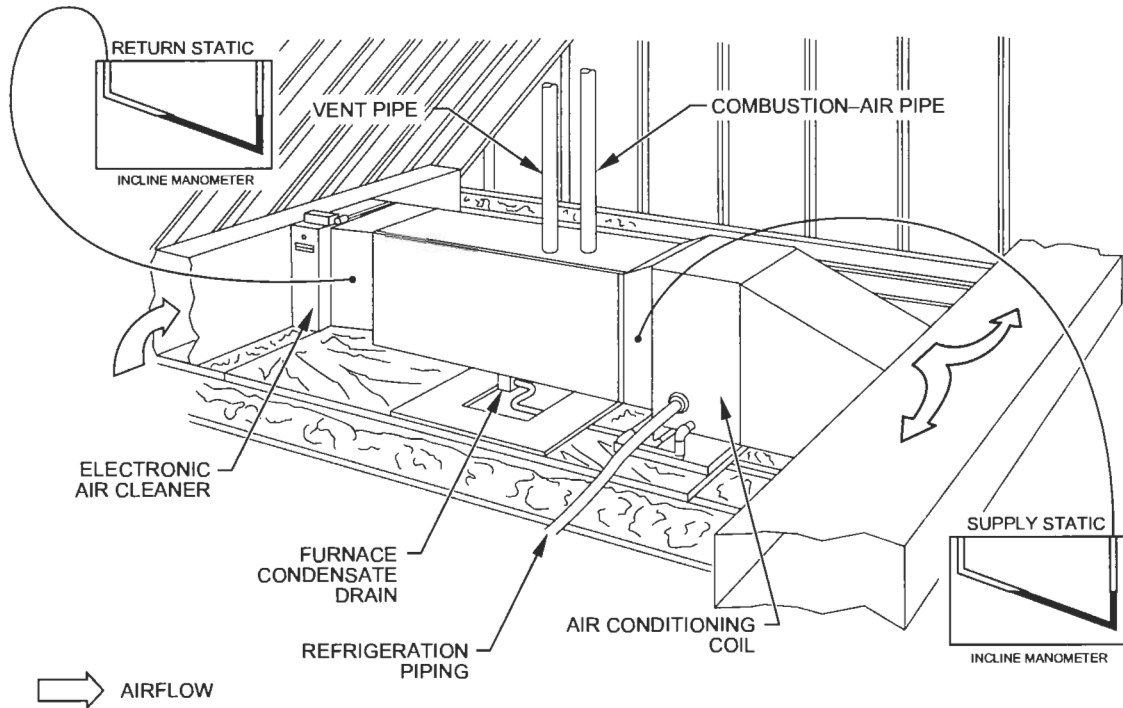
## Upflow Total Static Pressure Reading Locations



Closet — Downflow Application

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## Downflow Total Static Pressure Reading Locations



Attic — Horizontal Application

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### Horizontal Right and Left Airflow Total Static Pressure Reading Locations

#### Example 1

Return ESP after filter	0.40 in. wc
Supply ESP before coil	0.55 in. wc
<b>Total ESP</b>	<b>0.95 in. wc</b>

#### Example 2

Return ESP before filter	0.15 in. wc
Filter Static Drop @ 2000 CFM	0.25 in. wc
Supply ESP after coil	0.30 in. wc
Coil Static Drop Wet	0.25 in. wc
<b>Total ESP</b>	<b>0.95 in. wc</b>

#### Tools Needed:

- 1) Pitot Tube
- 1) Incline Manometer/Magnahelic

Both examples are correct. Example 1 ESP readings were taken as laid out in Static Pressure Reading Location Diagrams. Example 2 readings are taken as described. The coil and filter static pressure drops were taken from the manufacturer's Product Data Sheets with the assumption that we are trying to deliver 2000 CFM (this will vary).

**NOTE:** By plotting total ESP of 0.95 in. wc on the air delivery curve of a 100,000 Btuh input furnace, a Fault Code 44 would flash. (See Example Air Delivery Curve.)