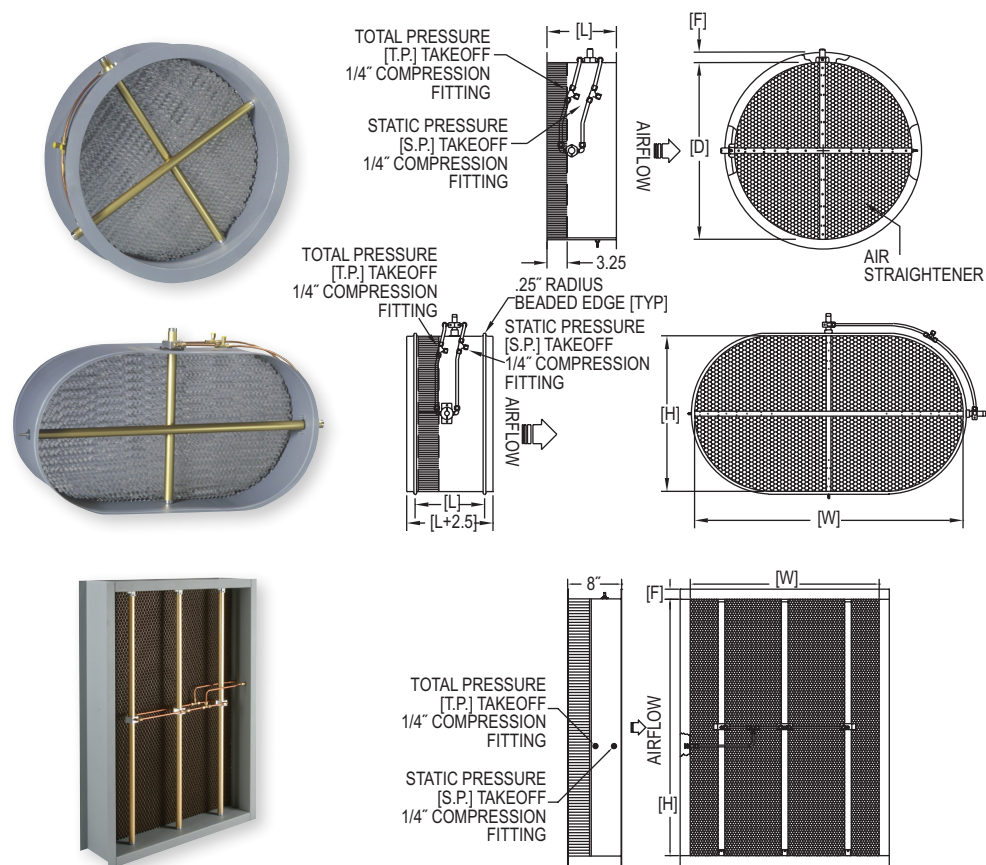


DUCT MOUNTED AIRFLOW MEASUREMENT STATION

Integral Flow Straightener, Ideal for Turbulent Measuring Conditions



| DIMENSIONS - CIRCULAR FLANGE | | | |
|------------------------------|------------------|-----------------|-------------------|
| Station Size "D" | Flange Thickness | Flange Size "F" | Casing Length "L" |
| 8" - 15" | .064" | 1" | 8" |
| 16" - 44" | .064" | 1-1/2" | 8" |
| 45" - 72" | .188" | 1-1/2" | 10" |
| 73" & over | .188" | 2" | 12" |

| DIMENSIONS - OVAL FLANGE (OPTIONAL) | | | |
|-------------------------------------|------------------|-------------|--------------------|
| Station Width "W" | Flange Thickness | Flange Size | *Casing Length "L" |
| Up to 44" | .064" | 1-1/2" | 8" |
| Over 44" | .188" | 1-1/2" | 10" |

*All oval flow stations without flange have a casing length of 8".

| DIMENSIONS - RECTANGULAR FLANGE | |
|---------------------------------|-----------------|
| Station Size "H" or "W" | Flange Size "F" |
| 8" - 72" | 1-1/2" |
| 73" & Over | 2" |

The **SERIES STRA** Airflow Measurement Station utilizes an airflow averaging element generating a velocity pressure signal similar to the orifice, venturi, and other primary elements. Single or multiple airflow elements are factory mounted and pre-piped in a casing designed for flanged connection to the ductwork. Multiple elements are joined together for connection to a differential measurement device (gauge, transmitter, etc.) for flow measurement and indication purposes. It has been developed with a honeycomb airflow straightening section for use in duct systems having highly turbulent conditions at the point of measurement.

FEATURES/BENEFITS

- Honeycomb airflow straightening section with 1/2 opening by 3" depth
- Low signal-to-noise ratio
- Factory mounted and pre-piped in a flanged duct section (casing)
- Standard construction includes galvanized casing and 6063-T5 anodized aluminum flow sensors
- Standard airflow stations can be operated (in air) continuously in temperatures up to 350°F or intermittently in temperatures up to 400°F




APPLICATIONS

- Building air intake and exhaust flow rate measurement
- HVAC air flow measurement

Circular Models

STRA-C 
DIAMETER (IN)*

Rectangular or Oval Models

STRA -  x  - 

CONFIGURATION
R - Rectangular
O - Oval

HEIGHT (IN) x WIDTH (IN)*

OPTION
IM - Internal pressure connections
F - Flange for oval mount station

Note: When ordering rectangular or oval flow stations, pressure taps will always be located on the longer of the two dimensions.

*Metric dimensions available upon request.

DUCT MOUNTED AIRFLOW MEASUREMENT STATION

Integral Flow Straightener, Ideal for Turbulent Measuring Conditions

| MODEL CHART - SERIES STRA RECTANGULAR OR OVAL | | | | | | | | | | | | | | | |
|---|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Size | 8" | 10" | 12" | 14" | 16" | 18" | 20" | 22" | 24" | 26" | 28" | 30" | 32" | 34" | 36" |
| 8" | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 10" | | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 12" | | | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 14" | | | | X | X | X | X | X | X | X | X | X | X | X | X |
| 16" | | | | | X | X | X | X | X | X | X | X | X | X | X |
| 18" | | | | | | X | X | X | X | X | X | X | X | X | X |
| 20" | | | | | | | X | X | X | X | X | X | X | X | X |
| 22" | | | | | | | | X | X | X | X | X | X | X | X |
| 24" | | | | | | | | | X | X | X | X | X | X | X |
| 26" | | | | | | | | | | X | X | X | X | X | X |
| 28" | | | | | | | | | | | X | X | X | X | X |
| 30" | | | | | | | | | | | | X | X | X | X |
| 32" | | | | | | | | | | | | | X | X | X |
| 34" | | | | | | | | | | | | | | X | X |
| 36" | | | | | | | | | | | | | | | X |

Note: When ordering rectangular or oval flow stations, pressure taps will always be located on the longer of the two dimensions.

| MODEL CHART - SERIES STRA RECTANGULAR OR OVAL | | | | | | | | | | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
| Size | 40" | 44" | 48" | 52" | 56" | 60" | 66" | 72" | 78" | 84" | 90" | 96" | 102" | 108" | 114" | 120" |
| 8" | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 10" | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 12" | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 14" | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 16" | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 18" | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 20" | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 22" | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 24" | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 26" | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 28" | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 30" | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 32" | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 34" | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 36" | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 40" | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 44" | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 48" | | | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 52" | | | | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 56" | | | | | X | X | X | X | X | X | X | X | X | X | X | X |
| 60" | | | | | | X | X | X | X | X | X | X | X | X | X | X |
| 66" | | | | | | | X | X | X | X | X | X | X | X | X | X |
| 72" | | | | | | | | X | X | X | X | X | X | X | X | X |
| 78" | | | | | | | | | X | X | X | X | X | X | X | X |
| 84" | | | | | | | | | | X | X | X | X | X | X | X |
| 90" | | | | | | | | | | | X | X | X | X | X | X |
| 96" | | | | | | | | | | | | X | X | X | X | X |
| 102" | | | | | | | | | | | | | X | X | X | X |
| 108" | | | | | | | | | | | | | | X | X | X |
| 114" | | | | | | | | | | | | | | | X | X |
| 120" | | | | | | | | | | | | | | | | X |

Note: When ordering rectangular or oval flow stations, pressure taps will always be located on the longer of the two dimensions.

| OPTIONS | |
|----------------------|---|
| To order add suffix: | Description |
| -IM | Internal pressure connections (rectangular stations only) |
| -F | Flange (oval stations only) |

| MODEL CHART - SERIES STRA CIRCULAR | | | | | | | | | | | | | | |
|------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
| Size | 8" | 10" | 12" | 14" | 16" | 18" | 20" | 22" | 24" | 26" | 28" | 32" | 36" | 40" |
| | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Size | 44" | 48" | 54" | 60" | 66" | 72" | 78" | 84" | 90" | 96" | 102" | 108" | 114" | 120" |
| | X | X | X | X | X | X | X | X | X | X | X | X | X | X |