

CA STATION WITH MANIFOLD CLEANOUTS

COMBUSTION AIRFLOW MEASUREMENT

RECTANGULAR CONFIGURATION

STANDARD CONSTRUCTION

Casing: 7 ga. (0.179") thick carbon steel, continuously welded.
Flanges: 2" wide, 7 ga. (0.179") thick carbon steel, integral to casing.
Casing Depth: 12"
Air Straightener: 1" hexagonal cell, 3" deep, 0.022" thick, carbon steel.
Total Pressure Manifold: Type 316 stainless steel.
Static Pressure Manifold: Type 316 stainless steel.
Signal Connection Fittings: 1/2" FPT, 316 stainless steel. (Units with more than 24 total pressure sensors require 3/4" FPT.)
Manifold Cleanouts: 3/8" FPT, Type 316 stainless steel, with 3/8" MPT carbon steel plugs.

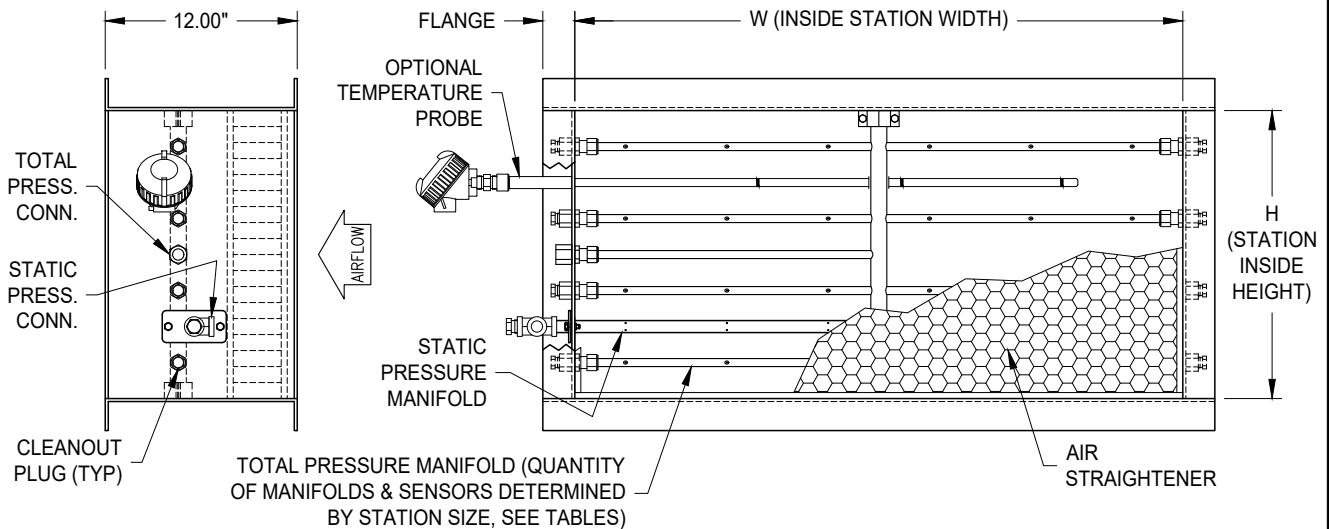
PERFORMANCE SPECIFICATIONS

Station Accuracy: ±2 to 3% of flow when installed per recommended minimum installation requirements.
Operating Velocity: 0 to 5000 FPM (standard, 0 to 8000 FPM with high velocity construction option)
Operating Temperature: -20 °F to 900 °F
Operating Humidity: 0 to 99% RH, non-condensing

OPTIONAL CONSTRUCTION

- 1/4" thick carbon steel casing & flanges.
- Extended flanges.
- Factory drilled alignment or bolt holes.
- Bellmouth inlet.
- Stainless steel air straightener.
- All stainless steel construction.
- Integral temperature probe.
- Extended casing depth.
- High velocity construction (up to 8000 FPM).
- Integral traverse ports (requires 18" casing depth).

DIMENSIONAL INFORMATION



STATION HEIGHT 'H'	QTY. OF T. P. MANIFOLDS	QTY. OF S. P. MANIFOLDS
<= 12"	2	1
> 12" - 24"	4	1
> 24" - 42"	6	1
> 42" - 64"	8	1
> 64" - 100"	10	1
> 100" - 144"	12	1

STATION WIDTH 'W'	QTY. OF T. P. SENSORS PER MANIFOLD	QTY. OF S. P. SENSORS PER MANIFOLD
<= 12"	2	2
> 12" - 24"	4	4
> 24" - 42"	6	6
> 42" - 64"	8	8
> 64" - 100"	10	10
> 100" - 144"	12	12

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