

FAN-Evaluator (FAN-E) FLAT OVAL CONFIGURATION 90° FLANGE

SUBMITTAL SHEET

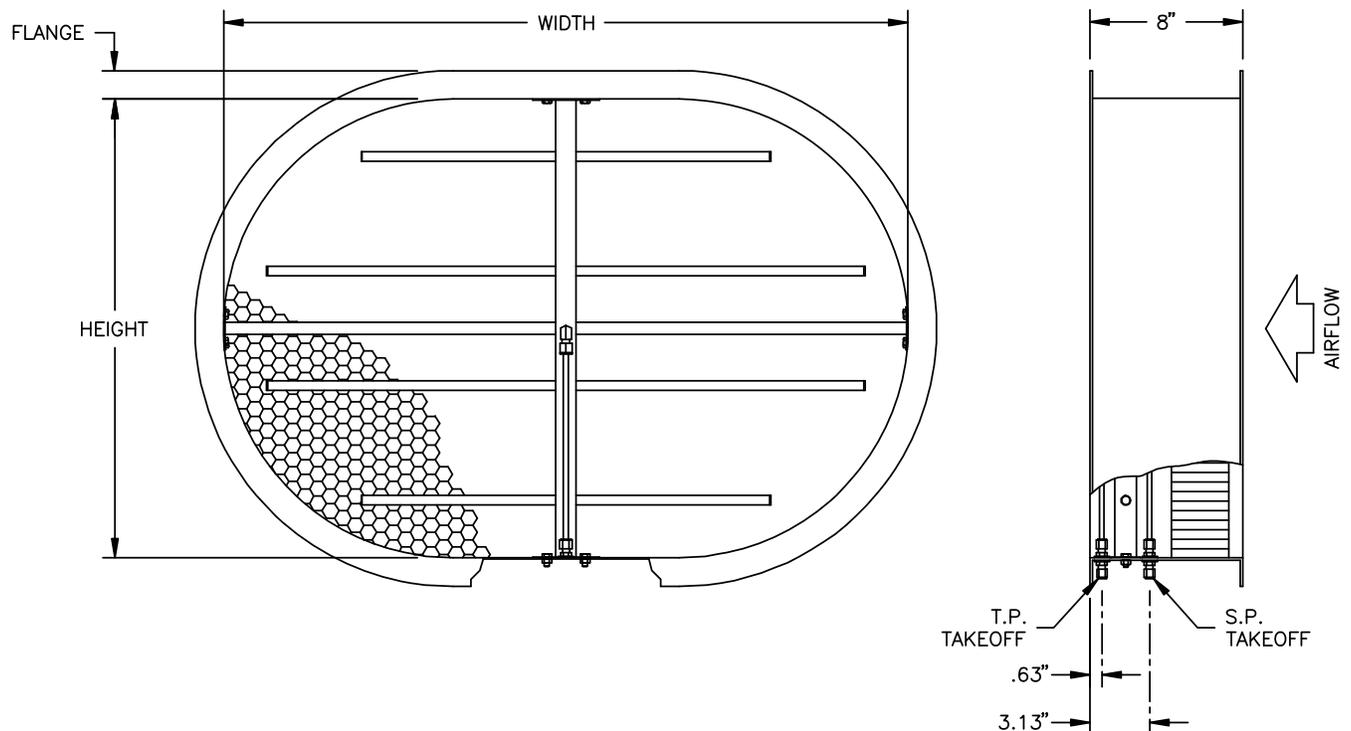
STANDARD CONSTRUCTION

Casing.	18 ga. galvanized sheetmetal, spot welded casing seams.
Flanges.	Height (small dimension) $\leq 24"$: 1" flange, 14 ga. galvanized sheetmetal, fusion welded to the casing. Height (small dimension) $> 24"$, $\leq 44"$: 1-1/2" flange, 14 ga. galvanized sheetmetal, fusion welded to the casing. Height (small dimension) 44": 3/16" x 2" carbon steel barstock flange, fusion welded to the casing.
Air Straightener.	Corrosion resistant 3003 aluminum. 3" deep x 1/2" cell.
Total Pressure Header.	Copper tubing assembled with 50/50 tin/lead solder. Galvanized mounting and support brackets.
Static Pressure Probe.	Copper tubing assembled with 50/50 tin/lead solder.
Casing Depth.	8" deep.
Connection Fittings.	1/4" brass compression type located on the long dimension.
Identification Label.	Paper w/pressure sensitive adhesive (Work Order Number, ID Number, Size, Shape, Station Area).

PERFORMANCE SPECIFICATIONS

Accuracy.	2% when installed per recommended minimum installation requirements.
Outputs.	Individually averaged signals of total and static pressure.
Operating Velocity.	400 - 4000 FPM.
Operating Temperature.	Continuous operation to 200°F.
Directional Sensitivity.	Not measurably affected by directional airflows with pitch and yaw angles up to 30°.
Traverse Pattern.	Log-Tchebycheff rule for rectangular and equal area for circular ducts.
Resistance.	0.3" w.c. @ 4000 FPM.

DIMENSIONAL SPECIFICATIONS



For **OPTIONAL CONSTRUCTION**, refer to Submittal Sheet
"Optional Construction - Stations" - 3.68.0

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