

# VOLU-probe/VS STATION – COMMERCIAL

## FLAT OVAL CONFIGURATION

### 90° FLANGE

# SUBMITTAL SHEET



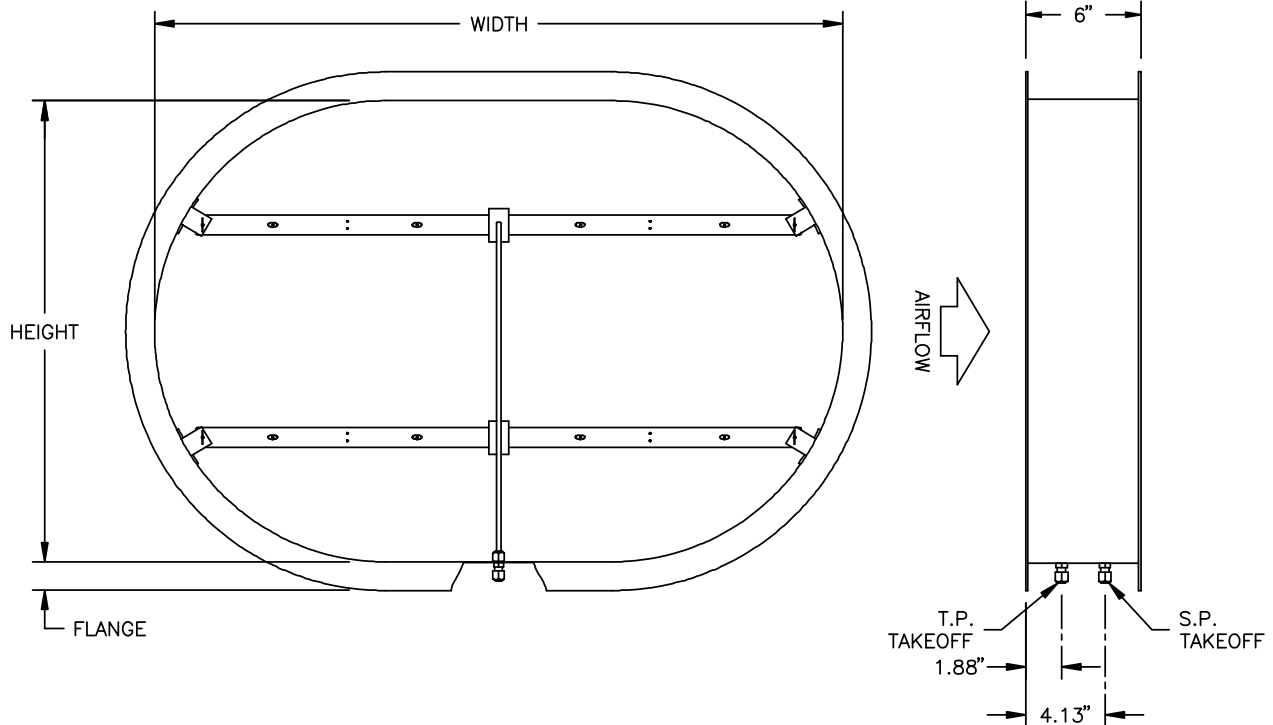
#### STANDARD CONSTRUCTION

<b>Casing.</b>	18 ga. galvanized sheetmetal, spot welded casing seams.
<b>Flanges.</b>	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.
<b>Total Pressure Probes.</b>	Type 6063 extruded aluminum, sealed with silicone RTV.
<b>Static Pressure Probes.</b>	Type 6063 extruded aluminum, sealed with silicone RTV
<b>Casing Depth.</b>	6" deep.
<b>Connection Fittings.</b>	1/4" brass compression type located on the long dimension.
<b>Identification Label.</b>	Paper w/pressure sensitive adhesive (Work Order Number, ID Number, Size, Shape, Station Area, Design Volume if available, System Served if applicable).

#### PERFORMANCE SPECIFICATIONS

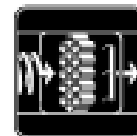
<b>Accuracy.</b>	2% when installed per recommended minimum installation requirements.
<b>Outputs.</b>	Individually averaged signals of total and static pressure.
<b>Operating Velocity.</b>	400 - 4000 FPM.
<b>Operating Temperature.</b>	Continuous operation to 200°F.
<b>Directional Sensitivity.</b>	Not measurably affected by directional airflows with pitch and yaw angles up to 30°.
<b>Traverse Pattern.</b>	Equal area.
<b>Resistance.</b>	0.085" w.c. @ 4000 FPM.

#### DIMENSIONAL SPECIFICATIONS



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

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