

# VOLU-probe/VS STATION – COMMERCIAL FLAT OVAL CONFIGURATION – STAINLESS STEEL 90° FLANGE



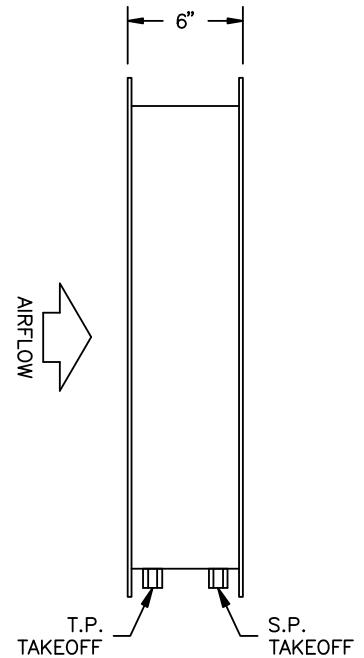
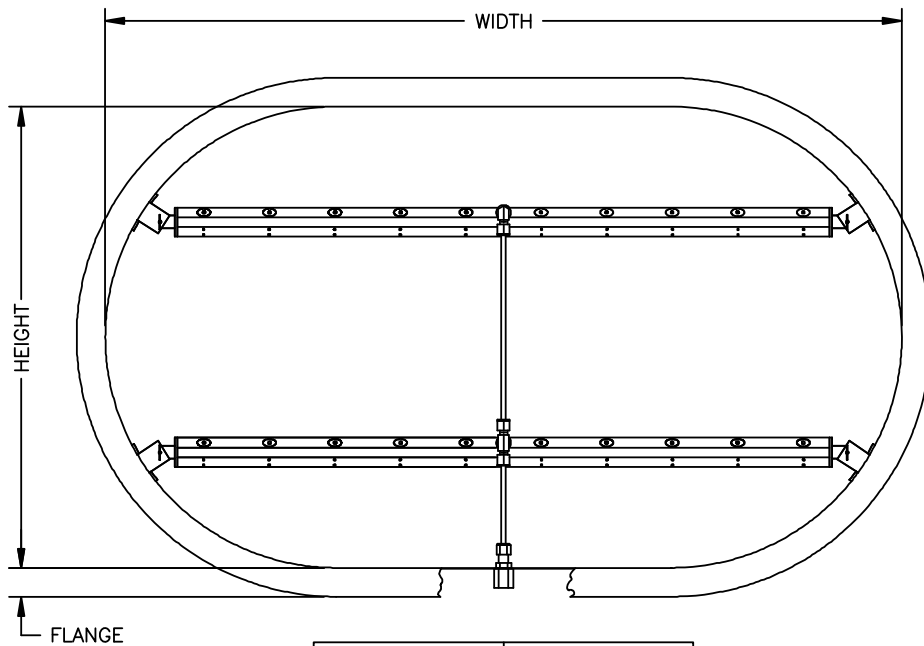
**STANDARD CONSTRUCTION**

**Casing.** 18 gauge, Type 316 stainless steel, spot welded casing seams.  
**Flanges.** Height (small dimension) ≤24": 1" flange, 14 ga., Type 316 stainless steel, fusion welded to the casing.  
 Height (small dimension) >24", ≤44": 1-1/2" flange, 14 ga, Type 316 stainless steel, fusion welded to the casing.  
 Height (small dimension) >44": 3/16" x 2", Type 316 stainless steel barstock welded to the casing.  
**Total Pressure Probes.** Type 316 stainless steel. Neoprene gaskets.  
**Static Pressure Probes.** Type 316 stainless steel. Neoprene gaskets.  
**Casing Depth.** 6" deep.  
**Connection Fittings.** 1/4" stainless steel compression type.  
**Identification Label.** Stainless steel, tack welded on (Work Order Number, ID Number).

**PERFORMANCE SPECIFICATIONS**

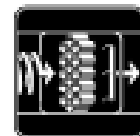
**Accuracy.** 2% when installed per recommended minimum installation requirements.  
**Outputs.** Individually averaged signals of total and static pressure.  
**Operating Velocity.** 400 - 4000 FPM.  
**Operating Temperature.** Continuous operation to 200°F.  
**Directional Sensitivity.** Not measurably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

**DIMENSIONAL SPECIFICATIONS**



H	NUMBER OF PROBES
8" THRU 12"	1
>12" THRU 24"	2
>24" THRU 30"	2
>30" THRU 54"	3
>54" THRU 84"	4
>84" THRU 120"	5
> 120"	6

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



**AIR MONITOR CORPORATION**