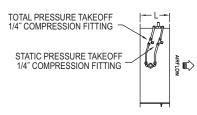
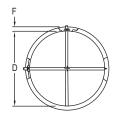


DUCT MOUNTED AIRFLOW MEASUREMENT STATIONS

Rectangular, Oval or Circular Configurations

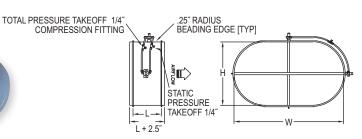






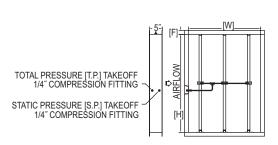
DIMENSIONS - CIRCULAR FLANGE									
Station	Flange	Flange	Casing						
Size "D"	Thickness	Size "F"	Length "L"						
8" - 15"	.064"	1″	6″						
16" - 44"	.064"	1-1/2"	6″						
45" - 72"	.188″	1-1/2"	10″						
73" & over	.188″	2″	12″						





DIMENSIONS - OVAL FLANGE								
Station Width "W"			Casing Length "L"					
Up to 48" Over 48"	.064″ .188″		6″ 8″					





DIMENSIONS - RECTANGULAR FLANGE							
	Flange Size "F"						
8" - 72"	1-1/2"						
73" & Over	2″						

The Series FLST Duct Mounted Airflow Measurement Stations utilize 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 (gage, transmitter, etc.) for flow measurement and indication purposes.

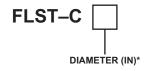
FEATURES/BENEFITS

- 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



SPECIFICATIONS

Accuracy: Within 2% of actual flow when installed in accordance with published recommendations.

K-Factor: 0.97.

Velocity Range: 100 to 10,000 FPM (0.51-51 m/s).

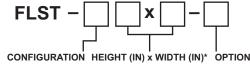
Wetted Material: Elements: 6063-T5 anodized aluminum; Casings: 16 ga G90 galvanized steel.

Temperature Limits: Galvanized casings and aluminum elements 350°F (177°C) continuous operation (in air) 400°F (204°C) intermittent operation (in air).

Humidity: All airflow stations 0 to 100% non condensing.

Process Connections: 1/4" compression fittings.

Rectangular or Oval Models



R - Rectangular

IM - Internal pressure connections

O – Oval

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 STATIONSRectangular, Oval or Circular Configurations

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

MODEL	CHART -	SERIES F	LST REC	CTANGUL	AR OR O	VAL										
Size	40″	44"	48"	52"	56″	60″	66″	72″	78″	84"	90″	96″	102"	108"	114"	120″
8″	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х				
10"	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х			
12"	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х		
14"	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	
16″	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
18″	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
20″	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х
22″	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	Х	Х
24"	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	X	X	X	Х	X
26″	Х	X	Х	Х	Х	Х	X	Х	Х	Х	X	X	Х	Х	Х	X
28″	Х	X	Х	X	Х	Х	Х	Х	Х	Х	X	X	X	X	Х	X
30″	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	X	Х	X	Х	Х	X
32″	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	X
34"	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	Х	Х	X	X
36″	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	X	Х	X	X
40″	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	X
44″		Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X
48″			Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	X
52″				Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х	X	X
56″					Х	X	X	X	X	X	Х	Х	Х	Х	Х	X
60″						Х	X	X	X	X	X	X	X	Х	X	X
66″							Х	X	X	X	X	X	X	Х	Х	X
72″								Х	X	X	X	Х	X	Х	X	X
78″									Х	X	X	X	X	X	X	X
84″ 90″										Х	X	X	X	X	X	X
96″											X	X	X	X	X	X
102″												X	X	X	X	X
102													X	X	X	x
114"														^	X	x
120″															^	x
	hen order	ing rectan	gular or o	ı val flow st	ations pr	accura tar	e will alwa	l ave ha loc	ated on th	e longer o	of the two	dimension	1			

MODEL	CHART -	SERIES F	LST CIR	CULAR										
Size	8″	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"	32"	36″	40"
	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
Size	44"	48″	54"	60″	66″	72″	78″	84"	90″	96″	102"	108"	114"	120″
	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х

OPTIONS								
To order add suffix:	Description							
-F	Flange (oval stations only)							
-IM	Internal pressure connections (rectangular stations only)							
-SS1	316 SS elements with 16 GA galvanized casing							
-SS2	316 SS elements with 16 GA 304 SS casing							
-SS3	316 SS elements with 16 GA 316 SS casing							