Model: LL-1

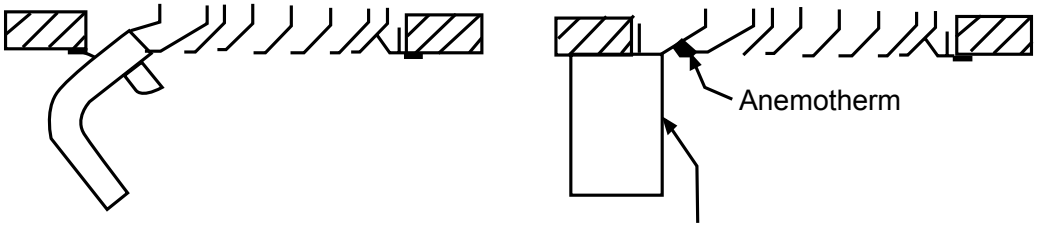
Air Flow Measurements:

1. Determine the average velocity in the front slot only as shown by the drawings.
2. Calculate the flow rate using the following equation.

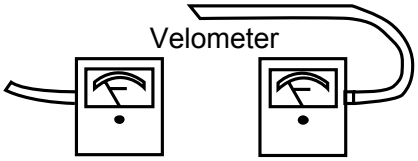
   Flow rate: CFM = Factor x V x L

   L = Length of section in feet and V = Average Velocity (FPM).

   Note: Select and use the applicable factor from the following table.



4" Rotating Vane Anemometer



Supply
6070,
6000,
2220-A Jet,
2220 Jet

Return
2220-A Jet,
2225 Jet,
2220 Jet

LL-1 Air Flow Factors

Size (inches)	Supply						Return		
	Note 1			Note 2			Note 3		
	Alnor (4)	Anem.	RVA	Alnor (4)	Anem.	RVA	2225 Vel.	Alnor (4)	Anem.
3 1/2	0.053	0.060	0.137	0.040	0.049	0.122	0.071	0.044	0.071
4 1/4	0.076	0.091	0.166	0.067	0.083	0.154	0.099	0.063	0.107
5	0.101	0.120	0.186	0.079	0.097	0.166	0.126	0.081	0.140
5 3/4	0.131	0.156	0.197	0.108	0.133	0.189	0.156	0.099	0.177
6 1/2	0.167	0.192	0.210	0.140	0.177	0.202	0.188	0.120	0.225

Notes: 1. Apply when diffuser has integral straightening vanes or dampers.
2. Apply when diffuser has no integral straightening vanes or dampers.
3. Apply when diffuser is used as a return intake.
4. The same factors apply for Alnor 6070, 6000, 2220 jet and 2220-A jet velometers.

Abbreviations:
Anem. equals Anemotherm
RVA equals 4-inch rotating vane anemometer

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