Model: Door Return Grille (CT-700 and T-700)
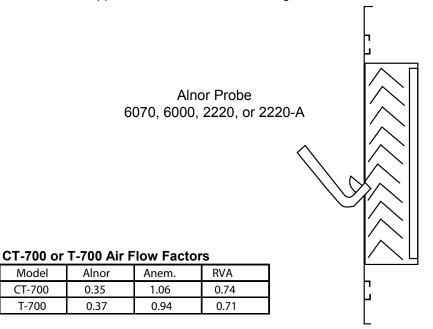
Airflow Measurements Procedure

1. Obtain the velocity readings as shown in the figure using an Alnor velometer.
2. Calculate the core area using the following equation.

   Core Area = [{Listed Width - 5/8 inch} x {Listed Height - 5/8 inch}] / 144

   Note: Use 144 as the divisor when the listed width and height are shown in inches.
3. Record and average at least four velocity readings taken in approximately equal areas.
4. Calculate airflow rate using the following equation.

   Flow Rate: CFM = Factor x (Average Velocity) x (Core Area)

   Note: Use applicable factor from the following tables.

Alnor Probe
6070, 6000, 2220, or 2220-A

CT-700 or T-700 Air Flow Factors

Model	Alnor	Anem.	RVA
CT-700	0.35	1.06	0.74
T-700	0.37	0.94	0.71

T700 and CT70 Core Area (Square Feet Factors)

Len gth (inches)	Width (inches)									
	6	8	10	12	14	16	18	20	24	30
6	0.19									
8	0.26	0.37								
10	0.34	0.47	0.59							
12	0.41	0.57	0.72	0.88						
14	0.48	0.67	0.85	1.04	1.22					
16	0.56	0.77	0.98	1.19	1.40	1.62				
18	0.63	0.87	1.11	1.35	1.59	1.83	2.07			
20	0.70	0.97	1.24	1.50	1.77	2.04	2.31	2.57		
22	0.77	1.07	1.37	1.66	1.96	2.25	2.55	2.84		
24	0.85	1.17	1.49	1.82	2.14	2.46	2.79	3.11	3.75	
30	1.07	1.47	1.88	2.29	2.69	3.10	3.50	3.91	4.72	5.94