

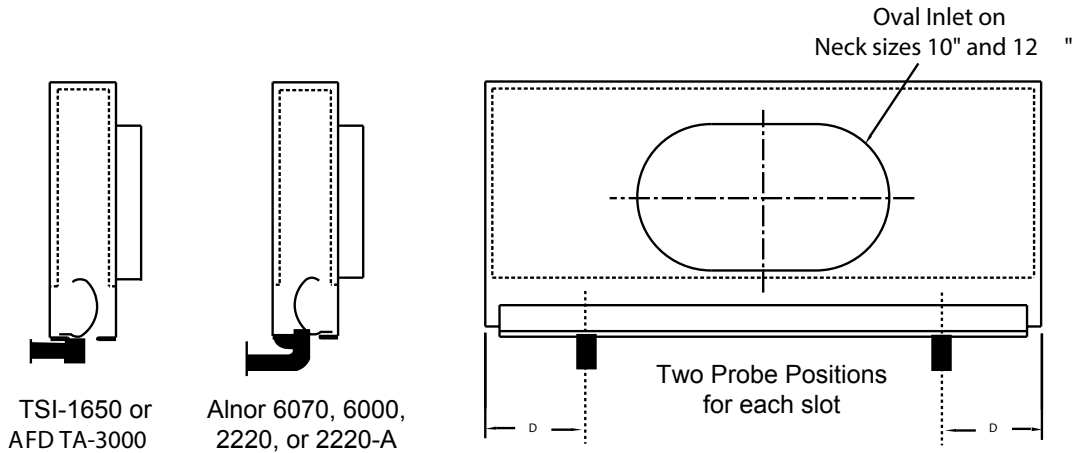
Models: TBD-10 and TBDI-10

Airflow Measurements Procedure

1. Place the anemometer probe in each location as shown and record the readings for each slot.
2. Average the velocity readings for the diffuser.
3. Calculate flow rate using the following equation.

$$\text{Flow Rate: CFM} = \text{Factor} \times \text{Average Velocity (FPM)}$$

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



TBD-10 or TBDI-10 K-Factors

Model	Nominal Length	Number of Slots	Probe Position D	Anemometer Flow Factors		
				Alnor	TSI 1650	AFD TA-3000
TBD-10 or TBDI-10 with 1-inch Slot	24 Inches	1	9 inches	0.092	0.097	0.117
		2		0.184	0.194	0.234
	30 inches	1	9 inches	0.115	0.121	0.146
		2		0.230	0.243	0.292
	36 inches	1	9 inches	0.138	0.146	0.175
		2		0.276	0.291	0.351
	48 inches	1	12 inches	0.184	0.194	0.234
		2		0.368	0.388	0.468
	60 inches	1	12 inches	0.230	0.243	0.292
		2		0.460	0.486	0.585
TBD-10 or TBDI-10 with 1 1/2-inch Slot	24 Inches	1	9 inches	0.138	0.146	0.175
		2		0.276	0.291	0.351
	30 inches	1	9 inches	0.173	0.183	0.220
		2		0.345	0.364	0.439
	36 inches	1	9 inches	0.207	0.219	0.263
		2		0.414	0.437	0.526
	48 inches	1	12 inches	0.276	0.291	0.351
		2		0.552	0.583	0.702
	60 inches	1	12 inches	0.345	0.364	0.439
		2		0.690	0.728	0.877