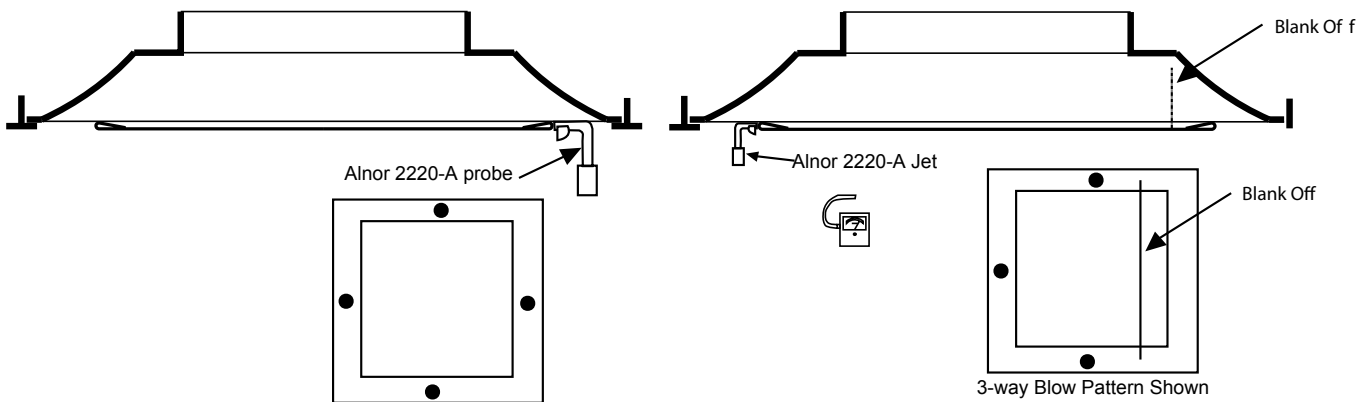# Model: OMNI - Round Neck

Airflow Measurements:

1. Record the velocity at each of the four locations shown with an Alnor 6070P, 6000, 2220 or 2220-A probe as shown.

2. Determine the average of the four recorded velocity readings.

3. Calculate air flow rate using the following equation and applicable air flow factor.

   Flow rate: CFM = K-factor x Flow Factor x Average Velocity

4. Determine K-factor correction flow rate.

   Flow rate: CFM = Correction factor x Average Velocity

5. Use the K-factor for blank-off blades. Multiply four-way by correction values given.

Alnor 2220-A probe

Alnor 2220-A Jet

Blank Of f

Blank Off

3-way Blow Pattern Shown

OMNI Round Neck Air Flow Factors

Ceiling Module Size	Nominal Round Duct Size	Flow Factor
12 x 12 inches	6 inches	0.143
	7 inches	0.172
	8 inches	0.203
24 x 24 inches	6 inches	0.200 ~
	8 inches	0.235
	10 inches	0.281
	12 inches	0.339
	14 inches	0.406
	15 inches	0.444

K-factor Corrections

Pattern	Blank Off Factor	NC Correction Facto r	Pressure Correction
Four-way	1.00	0	1.00
Three-way	0.96	+4	1.08
Two-way	0.83	+9	1.28
One-way	0.63	+17	1.875