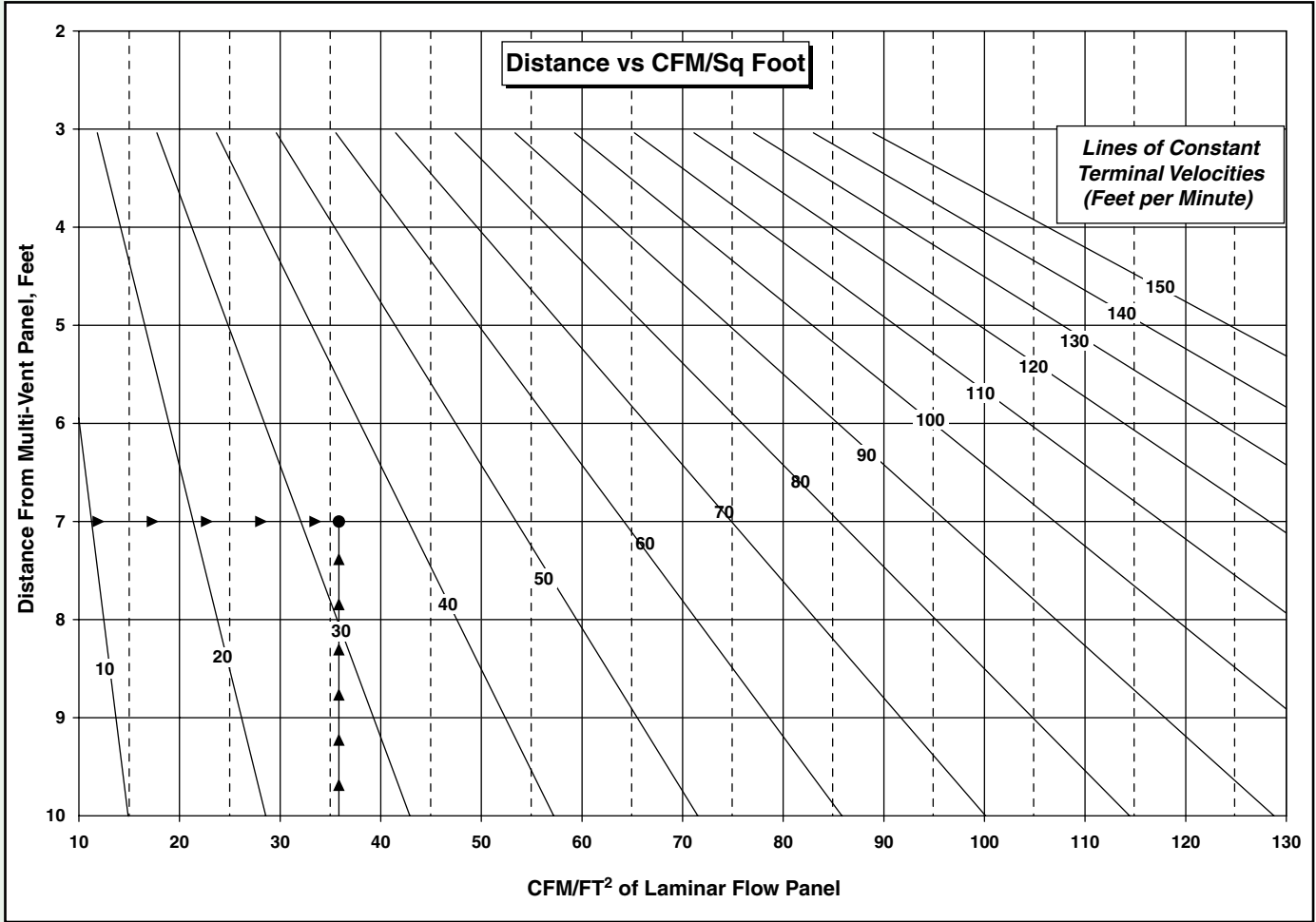


GRAPH 2: PROJECTION DISTANCE VS. CFM/FT² PANEL AREA



Test Standard

- ANSI / ASHRAE standard 70 & 113
- Velocity is the air speed, in feet per minute, measured in the supply air stream.

• Velocity vs. distance is shown based on CFM/square foot of active face area, and is not dependent upon the size of the face.



Photo 2: All data is confirmed through rigorous testing in our research and development center.

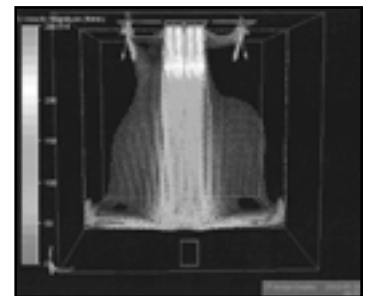


Figure 15: Computational Fluid Dynamics (CFD) software evaluates room air motion.



NOMINAL 12" x 48"

CFM/Ft ²		10	15	20	25	30	40	50	60	70
Inlet	CFM	40	60	80	100	120	160	200	240	280
5	NC	<20	<20	<20	<20	<20	23	28	33	37
	P _s	0.16	0.24	0.32	0.40	0.49	0.66	0.84	1.02	1.22
6	NC	<20	<20	<20	<20	<20	<20	24	29	34
	P _s	0.16	0.24	0.32	0.40	0.48	0.65	0.83	1.01	1.19
7	NC	<20	<20	<20	<20	<20	<20	21	25	30
	P _s	0.16	0.24	0.32	0.40	0.48	0.65	0.82	1.00	1.18
8	NC	<20	<20	<20	<20	<20	<20	<20	22	27
	P _s	0.16	0.24	0.32	0.40	0.48	0.65	0.82	0.99	1.17

NOMINAL 24" x 24"

CFM/Ft ²		10	15	20	25	30	40	50	60	70	80	90	100
Inlet	CFM	40	60	80	100	120	160	200	240	280	320	360	400
5	NC	<20	<20	<20	22	25	31	36	41	47	52	57	63
	P _s	0.09	0.14	0.18	0.23	0.28	0.38	0.48	0.59	0.70	0.82	0.93	1.06
6	NC	<20	<20	<20	<20	21	27	32	37	43	48	53	58
	P _s	0.09	0.14	0.18	0.23	0.28	0.38	0.48	0.59	0.70	0.81	0.93	1.04
7	NC	<20	<20	<20	<20	<20	23	28	33	38	43	49	54
	P _s	0.09	0.14	0.18	0.23	0.28	0.38	0.48	0.58	0.69	0.80	0.91	1.03
8	NC	<20	<20	<20	<20	<20	<20	24	28	33	39	44	49
	P _s	0.09	0.14	0.18	0.23	0.28	0.37	0.47	0.58	0.68	0.79	0.90	1.01
9	NC	<20	<20	<20	<20	<20	<20	20	25	30	35	40	45
	P _s	0.09	0.13	0.18	0.23	0.28	0.37	0.47	0.57	0.68	0.78	0.89	1.01
10	NC	<20	<20	<20	<20	<20	<20	<20	22	26	31	35	40
	P _s	0.09	0.13	0.18	0.23	0.27	0.37	0.47	0.57	0.67	0.78	0.89	0.99
12	NC	<20	<20	<20	<20	<20	<20	<20	<20	20	24	29	33
	P _s	0.09	0.13	0.18	0.23	0.27	0.37	0.47	0.57	0.67	0.77	0.88	0.99
14	NC	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	23	28
	P _s	0.09	0.13	0.18	0.23	0.27	0.37	0.46	0.56	0.66	0.76	0.87	0.97
16	NC	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	21
	P _s	0.09	0.13	0.18	0.23	0.27	0.37	0.46	0.56	0.66	0.76	0.86	0.96

NOMINAL 24" x 48"

CFM/Ft ²		10	15	20	25	30	40	50	60	70	80	90	100
Inlet	CFM	80	120	160	200	240	320	400	480	560	640	720	800
7	NC	<20	21	23	25	26	32	38	43	49	55	61	66
	P _s	0.08	0.13	0.17	0.22	0.28	0.39	0.50	0.63	0.77	0.91	1.07	1.23
8	NC	<20	<20	<20	21	23	29	35	40	46	51	57	63
	P _s	0.08	0.13	0.17	0.22	0.27	0.37	0.49	0.61	0.74	0.87	1.02	1.17
9	NC	<20	<20	<20	<20	<20	26	31	36	42	48	54	59
	P _s	0.08	0.13	0.17	0.22	0.27	0.37	0.48	0.59	0.71	0.84	0.98	1.12
10	NC	<20	<20	<20	<20	<20	20	26	31	36	42	48	53
	P _s	0.08	0.12	0.17	0.22	0.26	0.36	0.47	0.58	0.70	0.82	0.95	1.09
12	NC	<20	<20	<20	<20	<20	<20	21	26	30	34	39	44
	P _s	0.08	0.12	0.17	0.21	0.26	0.36	0.46	0.57	0.68	0.80	0.92	1.05
14	NC	<20	<20	<20	<20	<20	<20	<20	<20	23	27	32	36
	P _s	0.08	0.12	0.17	0.21	0.26	0.35	0.45	0.56	0.67	0.78	0.90	1.03
16	NC	<20	<20	<20	<20	<20	<20	<20	<20	<20	21	25	29
	P _s	0.08	0.12	0.17	0.21	0.26	0.35	0.45	0.55	0.66	0.77	0.89	1.01

Note

• Flow range shown in table above allows for a Magna-Pak HEPA filter efficiency of 99.99% @ .3 micron. Higher flow rates are possible with 99.97% (.3 micron) filters @ higher NC and P_s levels. Contact your Anemostat representative for application assistance.

Test Standard

• ANSI / ASHRAE Standard 70 & 113

Sound Levels

• NC is noise criteria curve that will not be exceeded at the operating point. This is determined by assuming a 10dB (ref: 10⁻¹² watts) room attenuation that is subtracted from the power levels in each of the 2nd thru 7th octave bands. Data taken with volume damper wide open, if applicable.

Pressure

• P_s represents static pressure, inches of water

For throw data, see page A-12

