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Date: 13-Sep-12

TEST NO.

12-1394

ASHRAE Standard 52.2-2007 TEST REPORT Initial Efficiency / Resistance

Filter Description

Manufacturer	Air Filtration Co., Inc.
Filter Model	L111-560
Part Number	N A
Generic Filter Type	Pad
Nominal Dimensions (H x W x D)	24"x24"x1"
Pocket / Pleat Quantity	Flat
Media Type	Synthetic
Est. Gross Media Area	4 Ft ²
Adhesive Type	Tackifier



Test Conditions

Loading Dust Type	N A	Test Air Temp (degrees F.)	73
Barometric Pressure (In. Hg.)	29.68	Relative Humidity (%)	51

Test Results

Airflow Rate (CFM)	400
Nominal Face Velocity (fpm)	100
Initial Resistance (in WG)	0.22
E1 (%) Initial Efficiency 0.30 - 1.0 um	4
E2 (%) Initial Efficiency 1.0 - 3.0 um	23
E3 (%) Initial Efficiency 3.0 - 10.0 um	92
Estimated * Minimum Efficiency Reporting Value (MERV) * If initial data is minimum	MERV 9 @ 400 CFM

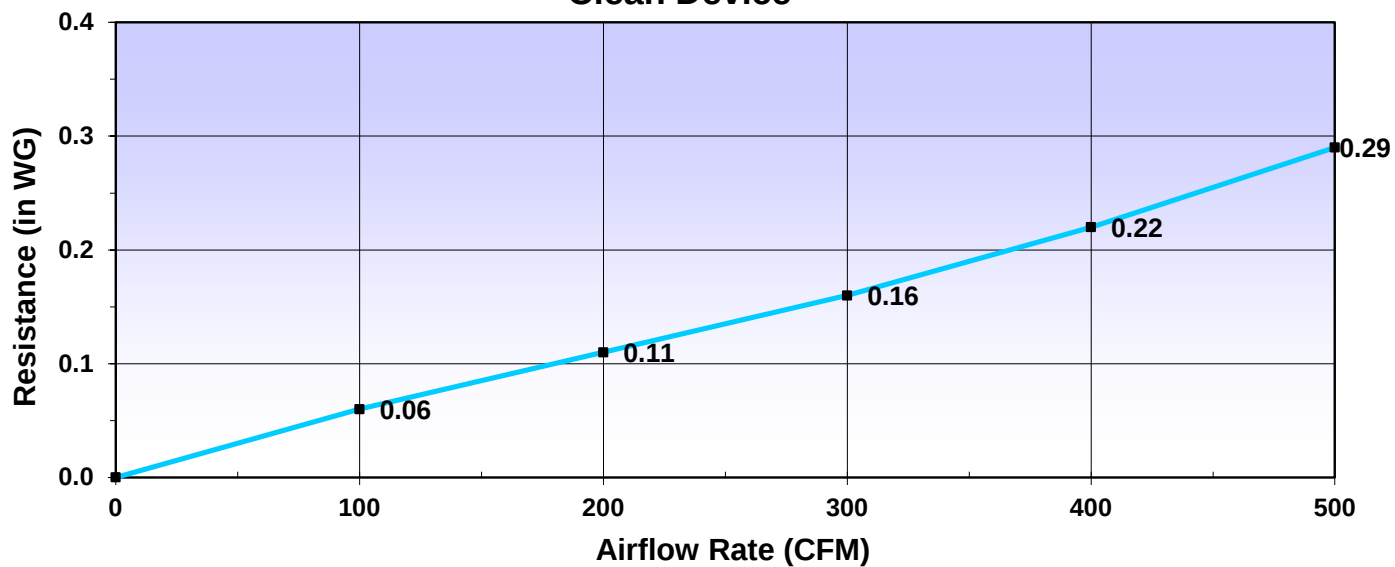
Comments Tested For: Air Filtration Co., Inc.

Approval:

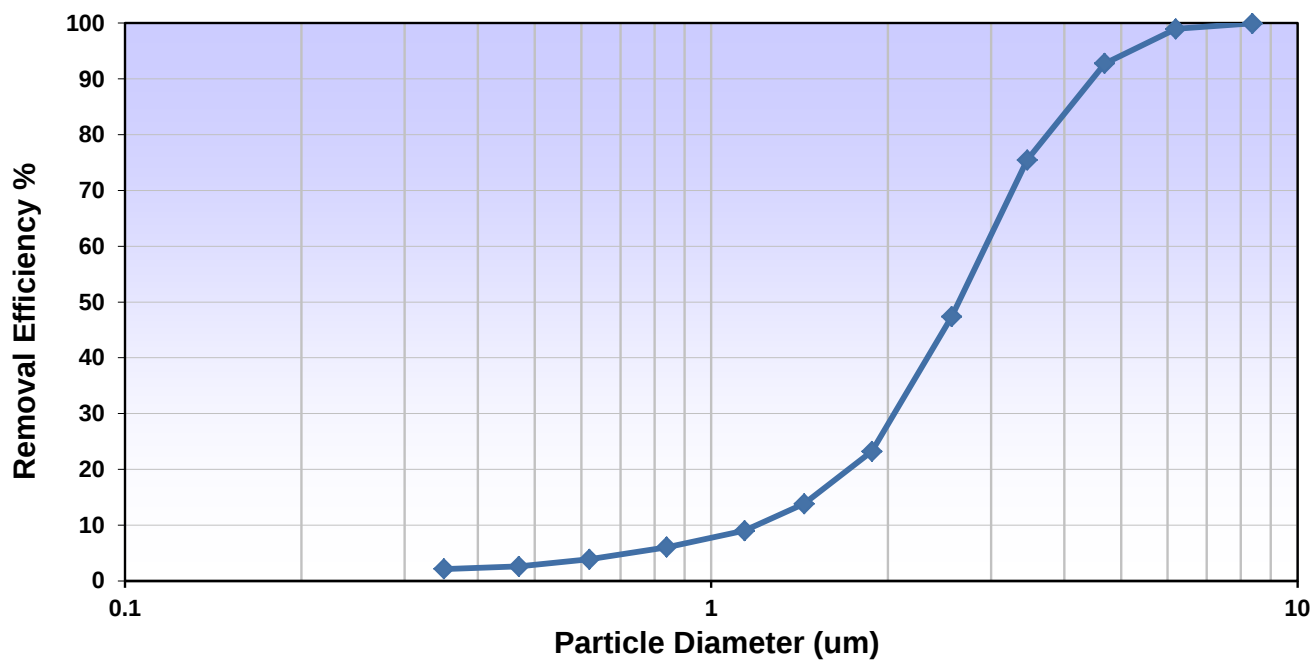
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**Air Flow vs Resistance
Clean Device**



Initial Particle Size Removal Efficiency



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Data - Initial Resistance

Airflow (CFM)	Resistance (in WG)
0	0.00
100	0.06
200	0.11
300	0.16
400	0.22
500	0.29

Data - Particle Removal Efficiency

Particle Size Range (um)	Geometric Mean Diam (um)	Initial Particle Removal Efficiency (%)
0.30 - 0.40	0.35	2.1
0.40 - 0.55	0.47	2.6
0.55 - 0.70	0.62	3.9
0.70 - 1.00	0.84	6.0
1.00 - 1.30	1.14	9.0
1.30 - 1.60	1.44	13.8
1.60 - 2.20	1.88	23.2
2.20 - 3.00	2.57	47.4
3.00 - 4.00	3.46	75.5
4.00 - 5.50	4.69	92.8
5.50 - 7.00	6.20	99.0
7.00 - 10.00	8.37	99.9