



2820 S. English Station Road - Louisville, KY 40299
 Tel: (502) 357-0132 Fax (502) 267-8379

Date: 25-Jul-07 TEST NO. 07-871Rev1

ASHRAE Standard 52.2-1999 TEST REPORT Initial Efficiency / Resistance

Filter Description

Manufacturer	AAF International
Filter Model	VARICEL RF
Part Number	3011087-009
Generic Filter Type	Extended Surface Supported
Nominal Dimensions (H x W x D)	24" x 24" x 12"
Pocket / Pleat Quantity	NA
Media Type	Polypropylene
Est. Gross Media Area	62 Ft ²
Adhesive Type	NA



Test Conditions

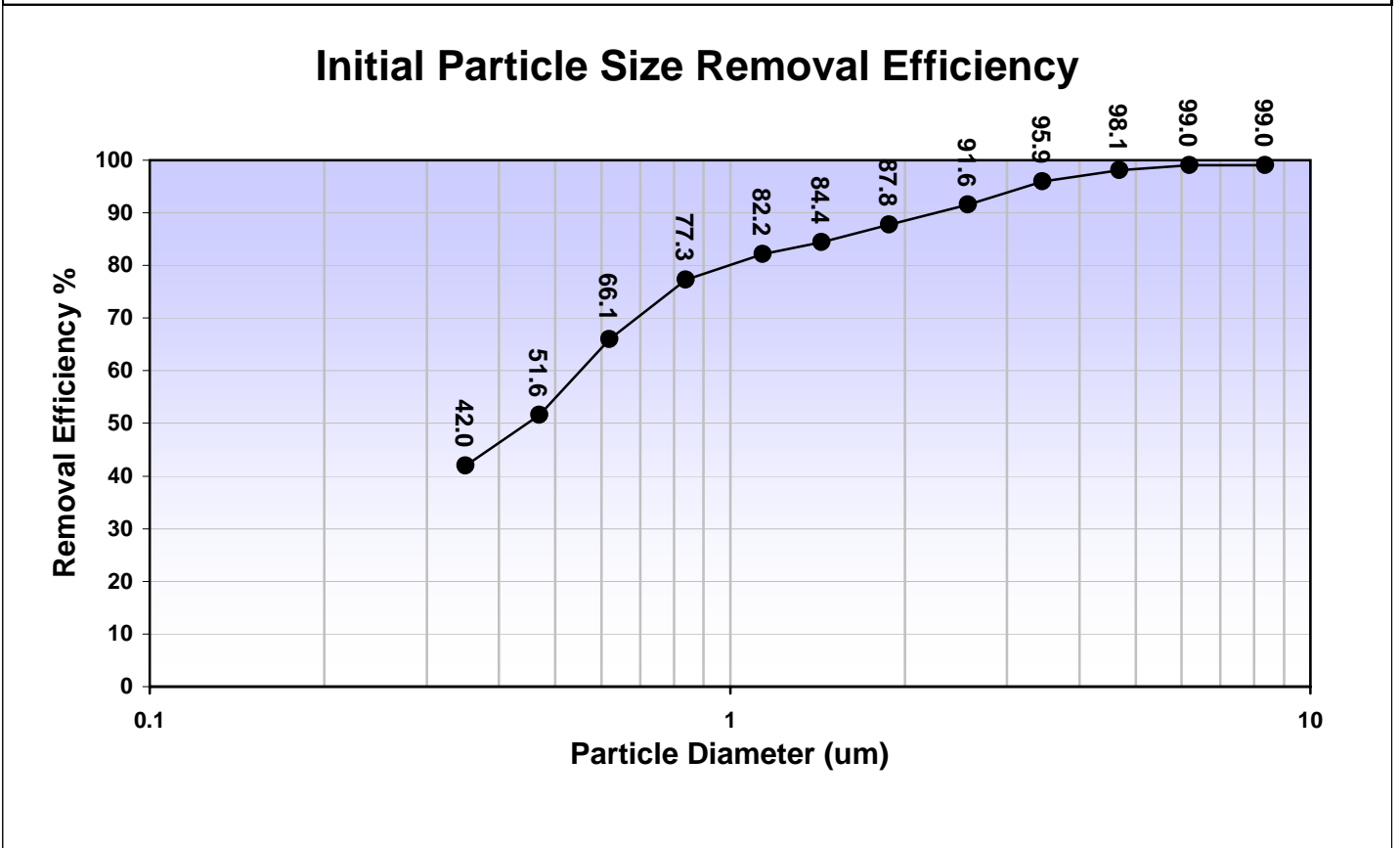
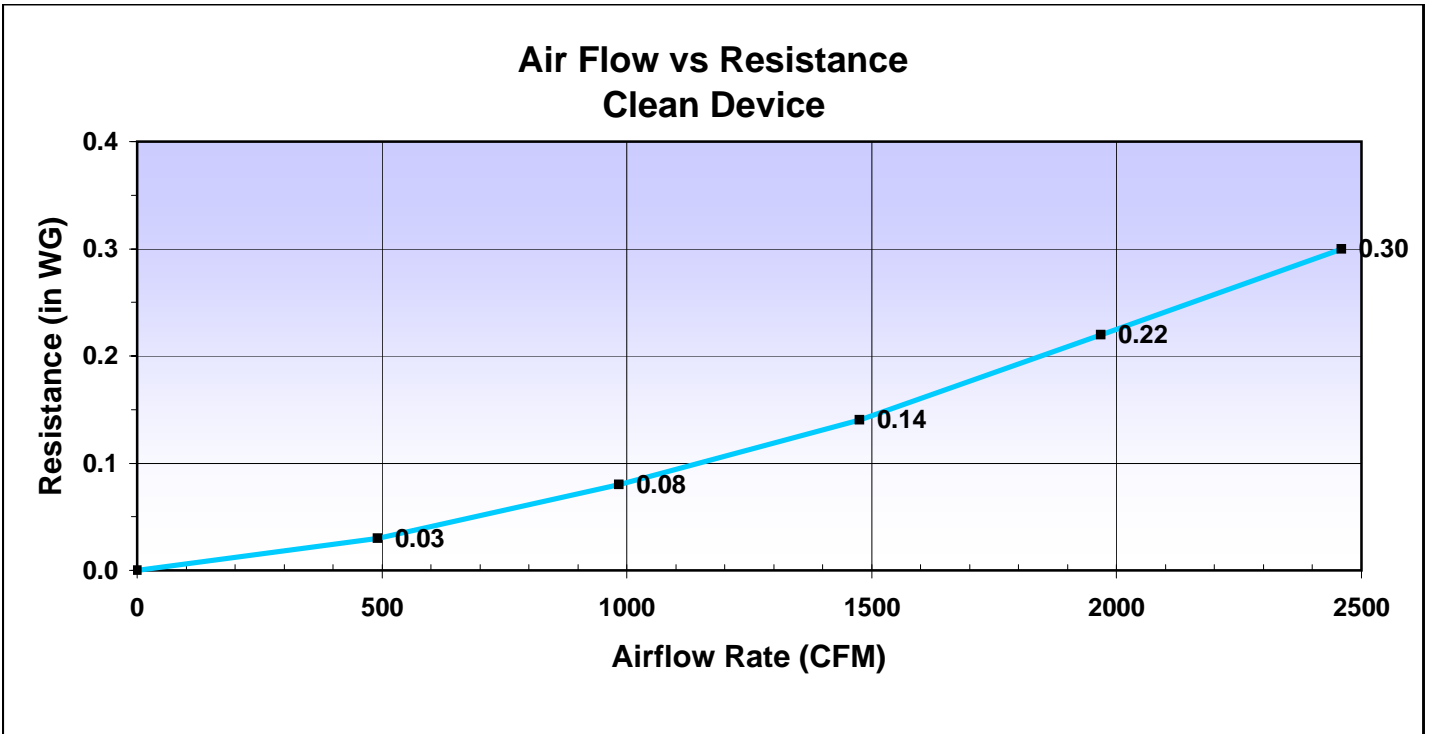
Loading Dust Type	N A	Test Air Temp (degrees F.)	84
Barometric Pressure (In. Hg.)	29.5	Relative Humidity (%)	42

Test Results

Airflow Rate (CFM)	1968
Nominal Face Velocity (fpm)	492
Initial Resistance (in WG)	0.22
E1 (%) Initial Efficiency 0.30 - 1.0 um	59
E2 (%) Initial Efficiency 1.0 - 3.0 um	86
E3 (%) Initial Efficiency 3.0 - 10.0 um	98
Estimated * Minimum Efficiency Reporting Value (MERV)	MERV 12 @ 1968 CFM
<small>* If initial data is minimum</small>	

Comments Tested For: AAF International

Approval:



Blue Heaven Technologies

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ASHRAE Standard 52.2 -1999**Test Report**

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Data - Initial Resistance

Airflow (CFM)	Resistance (in WG)
0	0.00
492	0.03
984	0.08
1476	0.14
1968	0.22
2460	0.30

Data - Particle Removal Efficiency

Particle Size Range (um)	Geometric Mean Diam (um)	Initial Particle Removal Efficiency (%)
0.30 - 0.40	0.35	42.0
0.40 - 0.55	0.47	51.6
0.55 - 0.70	0.62	66.1
0.70 - 1.00	0.84	77.3
1.00 - 1.30	1.14	82.2
1.30 - 1.60	1.44	84.4
1.60 - 2.20	1.88	87.8
2.20 - 3.00	2.57	91.6
3.00 - 4.00	3.46	95.9
4.00 - 5.50	4.69	98.1
5.50 - 7.00	6.20	99.0
7.00 - 10.00	8.37	99.0