



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

Date: 1-Mar-06 TEST NO. 06-193Rev1

ASHRAE Standard 52.2-1999 TEST REPORT Initial Efficiency / Resistance

Filter Description

Manufacturer	AAF International
Filter Model	Varicel V XL
Part Number	3018413-006
Generic Filter Type	V Bank
Nominal Dimensions (H x W x D)	24"x24"x12"
Pocket / Pleat Quantity	4 V
Media Type	Standard
Est. Gross Media Area	Standard
Adhesive Type	None



Test Conditions

Loading Dust Type	N A	Test Air Temp (degrees F.)	77
Barometric Pressure (In. Hg.)	29.28	Relative Humidity (%)	35

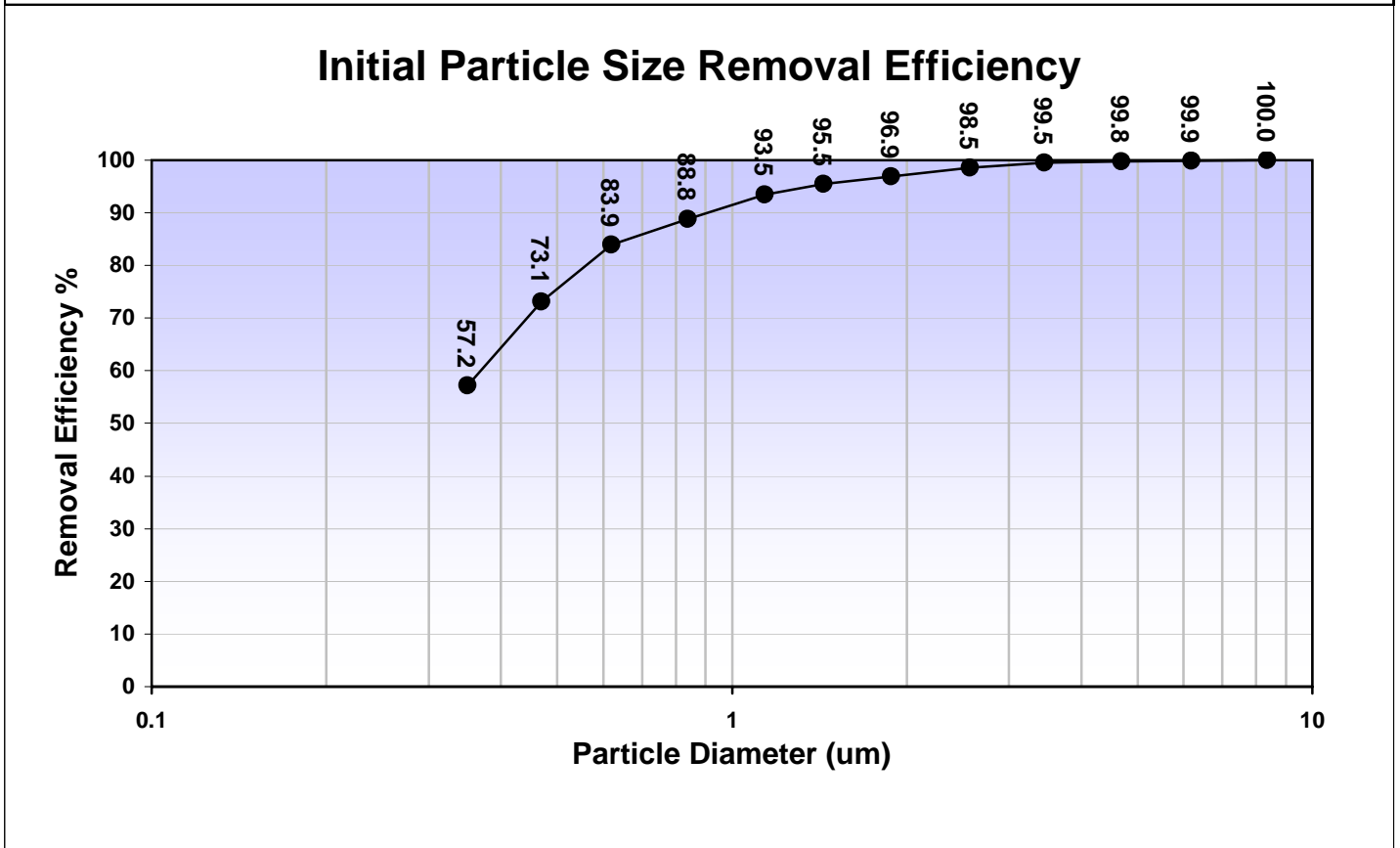
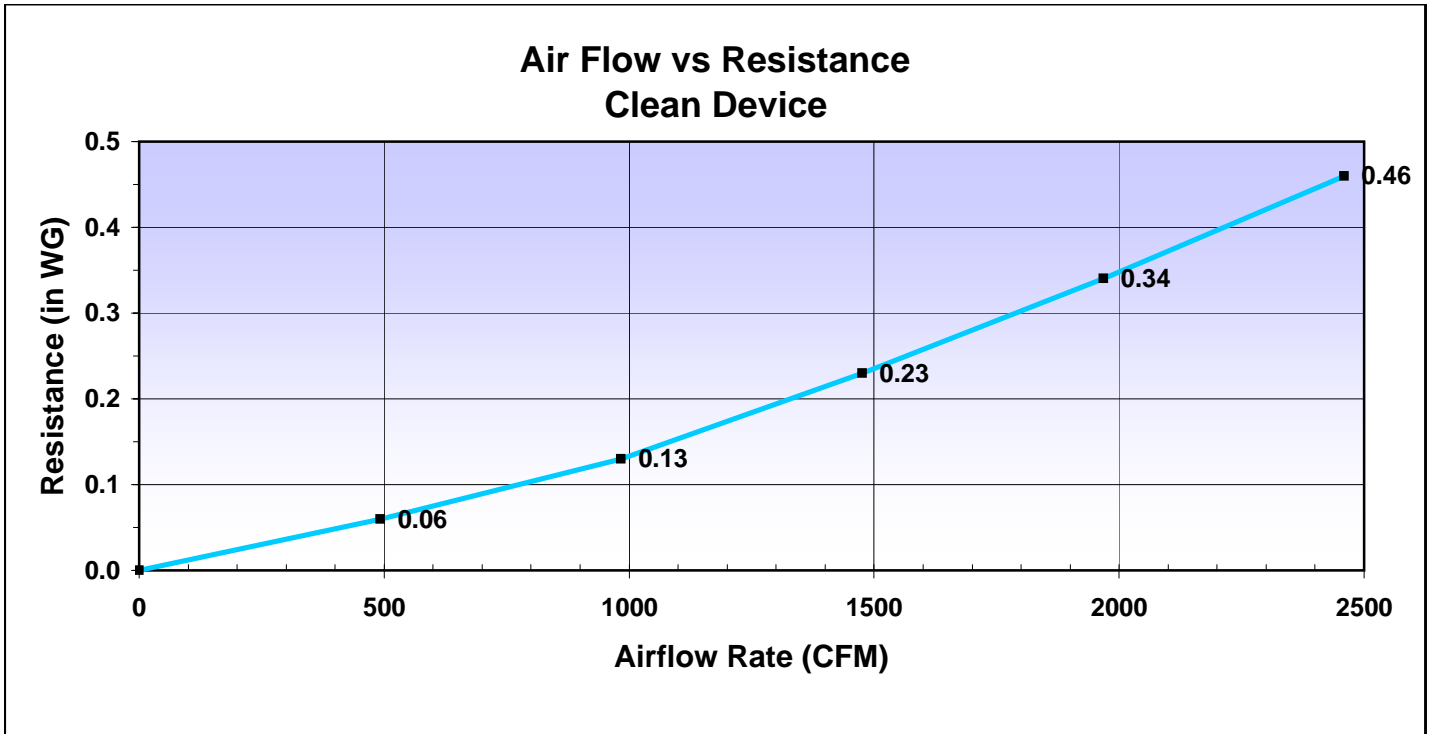
Test Results

Airflow Rate (CFM)	1968
Nominal Face Velocity (fpm)	492
Initial Resistance (in WG)	0.34
E1 (%) Initial Efficiency 0.30 - 1.0 um	76
E2 (%) Initial Efficiency 1.0 - 3.0 um	96
E3 (%) Initial Efficiency 3.0 - 10.0 um	100
Estimated * Minimum Efficiency Reporting Value (MERV)	MERV 14 @ 1968 CFM
* If initial data is minimum	

Comments Tested For: AAF International

Approval:

Rob B. Bullard



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	0.06
984	0.13
1476	0.23
1968	0.34
2460	0.46

Data - Particle Removal Efficiency

Particle Size Range (um)	Geometric Mean Diam (um)	Initial Particle Removal Efficiency (%)
0.30 - 0.40	0.35	57.2
0.40 - 0.55	0.47	73.1
0.55 - 0.70	0.62	83.9
0.70 - 1.00	0.84	88.8
1.00 - 1.30	1.14	93.5
1.30 - 1.60	1.44	95.5
1.60 - 2.20	1.88	96.9
2.20 - 3.00	2.57	98.5
3.00 - 4.00	3.46	99.5
4.00 - 5.50	4.69	99.8
5.50 - 7.00	6.20	99.9
7.00 - 10.00	8.37	100.0