



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

Date: 22-Sep-08 TEST NO. 08-1069A

ASHRAE Standard 52.2-2007 TEST REPORT Initial Efficiency / Resistance

Filter Description

Manufacturer	AAF International
Filter Model	Perfect Pleat M8
Part Number	N A
Generic Filter Type	ESNSP-S
Nominal Dimensions (H x W x D)	24x24x1
Pocket / Pleat Quantity	Standard
Media Type	Standard
Est. Gross Media Area	Standard
Adhesive Type	N A



Test Conditions

Loading Dust Type	N A	Test Air Temp (degrees F.)	74
Barometric Pressure (In. Hg.)	29.62	Relative Humidity (%)	39

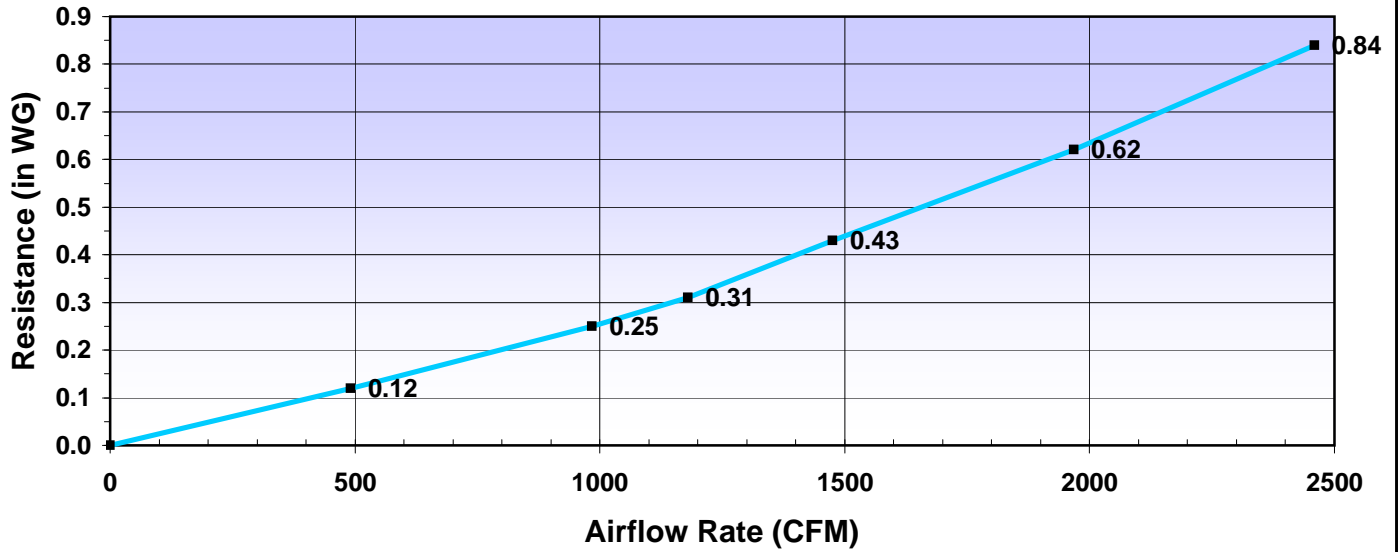
Test Results

Airflow Rate (CFM)	1180
Nominal Face Velocity (fpm)	295
Initial Resistance (in WG)	0.31
E1 (%) Initial Efficiency 0.30 - 1.0 um	9
E2 (%) Initial Efficiency 1.0 - 3.0 um	61
E3 (%) Initial Efficiency 3.0 - 10.0 um	70
Estimated * Minimum Efficiency Reporting Value (MERV)	MERV 8 @ 1180 CFM
* If initial data is minimum	

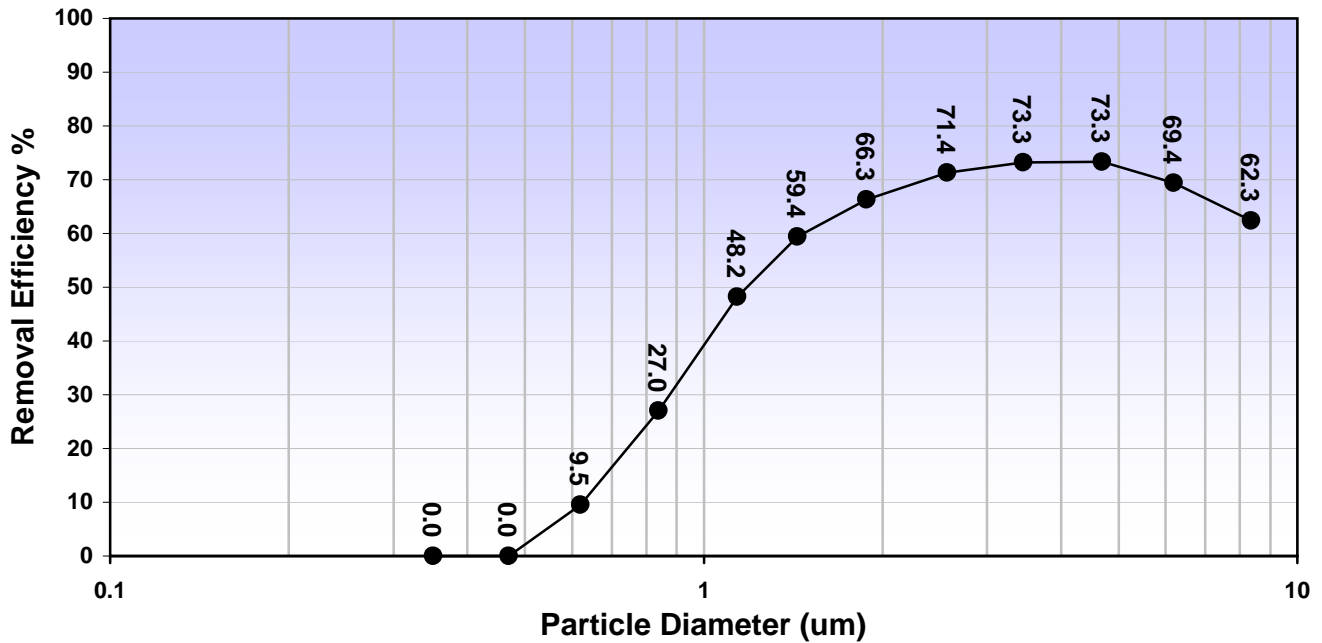
Comments Tested For: AAF International

Approval:

**Air Flow vs Resistance
Clean Device**



Initial Particle Size Removal Efficiency



Blue Heaven Technologies

2820 S. ENGLISH STATION ROAD - LOUISVILLE, KY 40299
Tel: (502) 357-0132

ASHRAE Standard 52.2 -2007**Test Report**

Test No. 08-1069A

Date: 22-Sep-08

Data - Initial Resistance

Airflow (CFM)	Resistance (in WG)
0	0.00
492	0.12
984	0.25
1180	0.31
1476	0.43
1968	0.62
2460	0.84

Data - Particle Removal Efficiency

Particle Size Range (um)	Geometric Mean Diam (um)	Initial Particle Removal Efficiency (%)
0.30 - 0.40	0.35	0.0
0.40 - 0.55	0.47	0.0
0.55 - 0.70	0.62	9.5
0.70 - 1.00	0.84	27.0
1.00 - 1.30	1.14	48.2
1.30 - 1.60	1.44	59.4
1.60 - 2.20	1.88	66.3
2.20 - 3.00	2.57	71.4
3.00 - 4.00	3.46	73.3
4.00 - 5.50	4.69	73.3
5.50 - 7.00	6.20	69.4
7.00 - 10.00	8.37	62.3