



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

Date: 3-Dec-10 TEST NO. 10-2050

**ASHRAE Standard 52.2-2007
 TEST REPORT
 Initial Efficiency / Resistance / Dust Holding
 Arrestance**

Filter Description

Manufacturer	AAF International (Suzhou)
Filter Model	DRIPAK 2000 M12
Part Number	NA
Generic Filter Type	ESNSP-S
Nominal Dimensions (H x W x D)	24"x24"x30"
Pocket / Pleat Quantity	8 Pockets
Media Type	Synthetic
Est. Gross Media Area	Standard
Adhesive Type	NA



Test Conditions

Loading Dust Type	ASHRAE	Test Air Temp (degrees F.)	74
Barometric Pressure (In. Hg.)	29.84	Relative Humidity (%)	36

Test Results

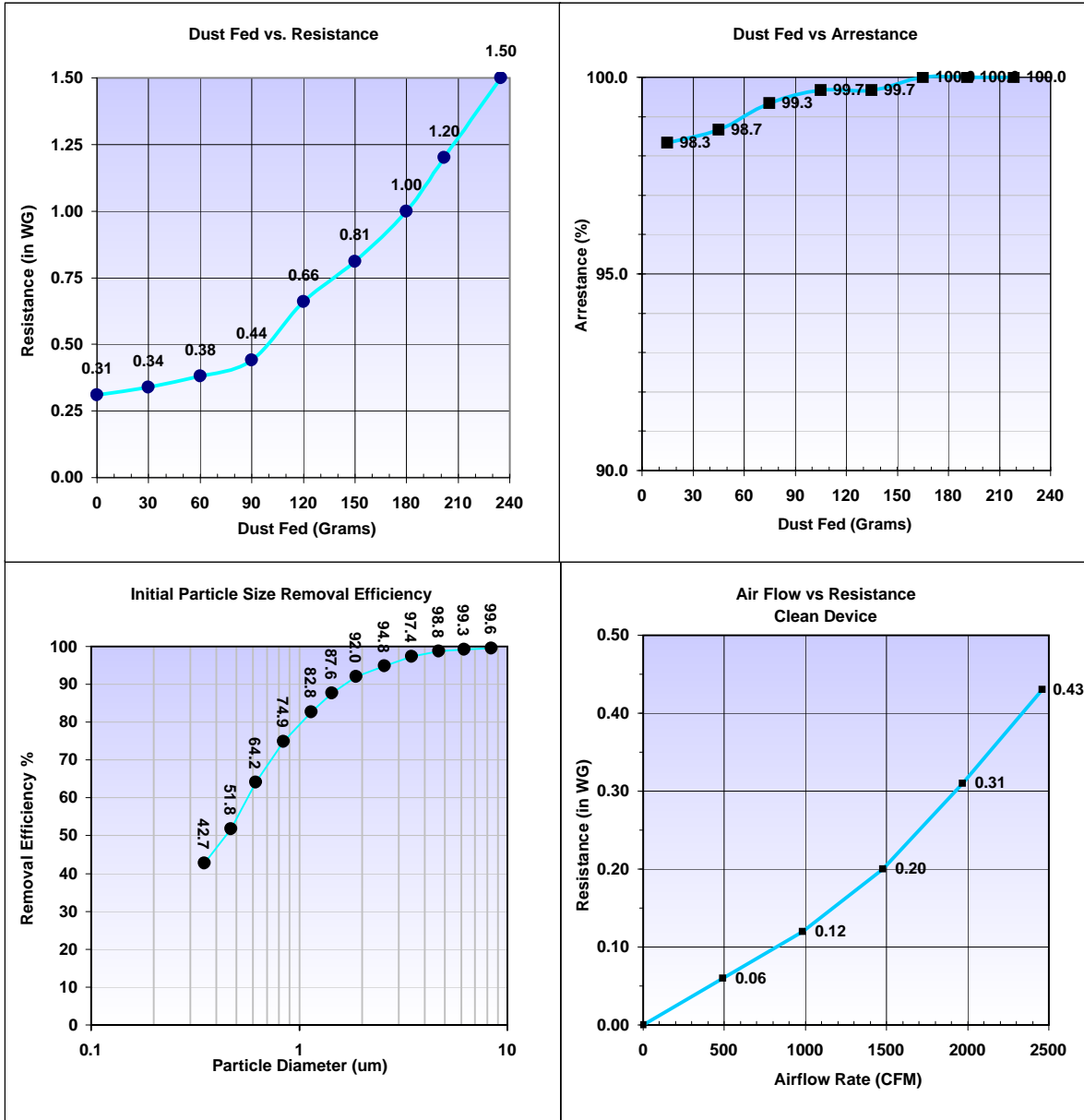
Airflow Rate (CFM)	1968
Nominal Face Velocity (fpm)	492
Initial Resistance (in WG)	0.31
Final Resistance (in WG)	1.50
Dust Fed (gms) to Final Resistance	235
E1 (%) Initial Efficiency 0.30 - 1.0 um	58
E2 (%) Initial Efficiency 1.0 - 3.0 um	89
E3 (%) Initial Efficiency 3.0 - 10.0 um	99
Estimated * Minimum Efficiency Reporting Value (MERV)	MERV 12 @ 1968 CFM
* If initial data is minimum	

Comments Tested For: AAF International

	<u>1.50"</u>	<u>1.20"</u>	<u>1.00"</u>
Dust Holding Capacity (gms)	234	201	179
Average Arrestance (%)	99.4	99.4	99.3

Approval:

Test No. 10-2050
 Date: 03-Dec-10



Blue Heaven Technologies2820 S. ENGLISH STATION ROAD - LOUISVILLE, KY 40299
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Date: 03-Dec-10**Data - Dust Fed / Arrestance**

Dust Fed Increment (gms)	Total Dust Fed (gms)	Resistance (in WG)
0	0	0.31
30	30	0.34
30	60	0.38
30	90	0.44
30	120	0.66
30	150	0.81
30	180	1.00
22	202	1.20
33	235	1.50

Arrestance (%)	Dust Fed Plot Point (gms)
98.3	15
98.7	45
99.3	75
99.7	105
99.7	135
100.0	165
100.0	191
100.0	219

Data - Particle Removal Efficiency

Particle Size Range (um)	Geometric Mean Diam (um)	Initial Particle Removal Efficiency (%)
0.30 - 0.40	0.35	42.7
0.40 - 0.55	0.47	51.8
0.55 - 0.70	0.62	64.2
0.70 - 1.00	0.84	74.9
1.00 - 1.30	1.14	82.8
1.30 - 1.60	1.44	87.6
1.60 - 2.20	1.88	92.0
2.20 - 3.00	2.57	94.8
3.00 - 4.00	3.46	97.4
4.00 - 5.50	4.69	98.8
5.50 - 7.00	6.20	99.3
7.00 - 10.00	8.37	99.6

Data - Initial Resistance

Airflow (CFM)	Resistance (in WG)
0	0.00
492	0.06
984	0.12
1476	0.20
1968	0.31
2460	0.43