



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

Date: 3-Dec-10 TEST NO. 10-2048

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

Filter Description

Manufacturer	AAF International (Suzhou)
Filter Model	DRIPAK 2000 M14
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.)	71
Barometric Pressure (In. Hg.)	29.77	Relative Humidity (%)	39

Test Results

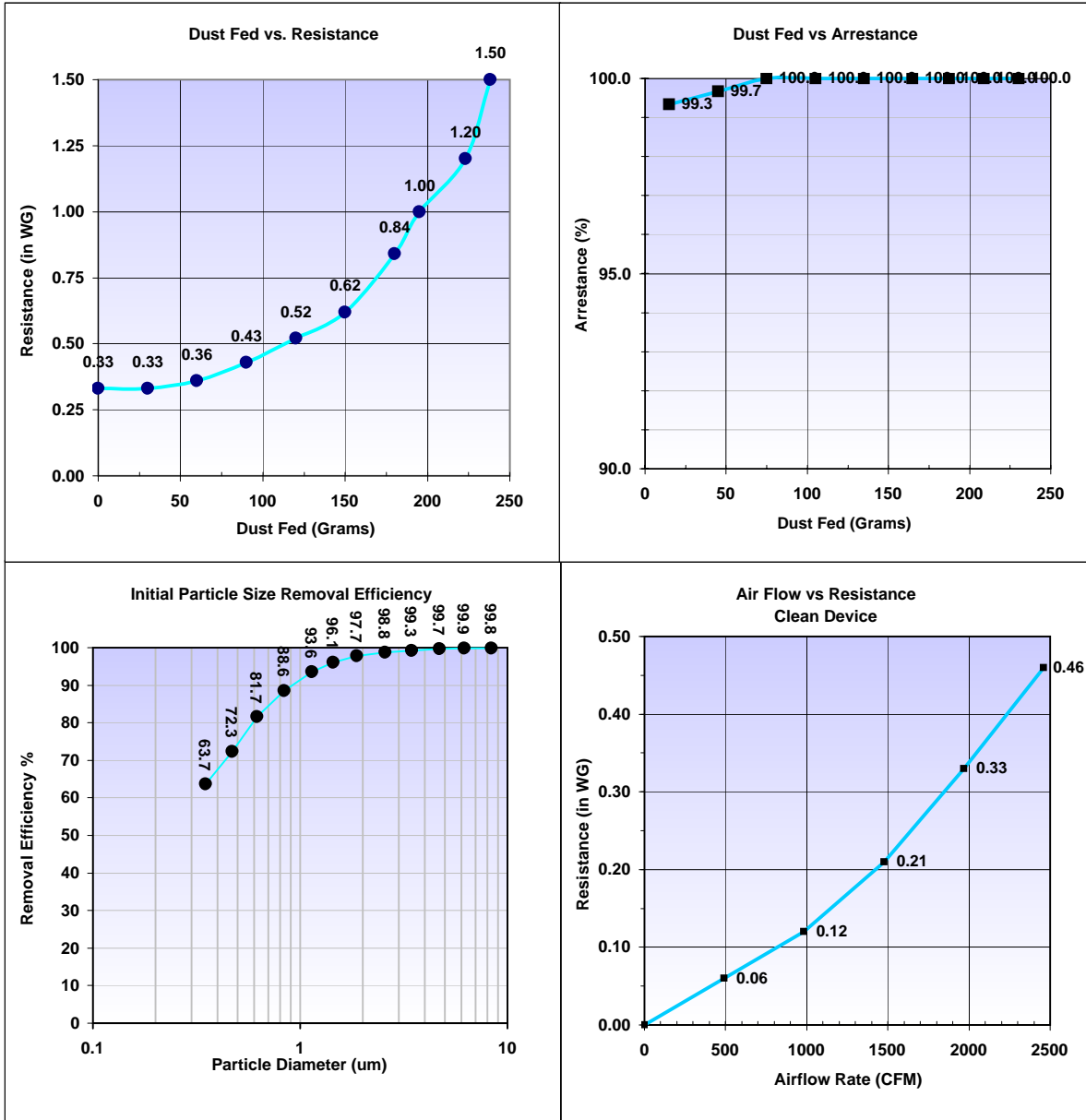
Airflow Rate (CFM)	1968
Nominal Face Velocity (fpm)	492
Initial Resistance (in WG)	0.33
Final Resistance (in WG)	1.50
Dust Fed (gms) to Final Resistance	238
E1 (%) Initial Efficiency 0.30 - 1.0 um	77
E2 (%) Initial Efficiency 1.0 - 3.0 um	97
E3 (%) Initial Efficiency 3.0 - 10.0 um	100
Estimated * Minimum Efficiency Reporting Value (MERV)	MERV 14 @ 1968 CFM
* If initial data is minimum	

Comments Tested For: AAF International

	<u>1.50"</u>	<u>1.20"</u>	<u>1.00"</u>
Dust Holding Capacity (gms)	238	223	195
Average Arrestance (%)	99.8	99.9	99.8

Approval:

Test No. 10-2048
 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	0.33
30	30	0.33
30	60	0.36
30	90	0.43
30	120	0.52
30	150	0.62
30	180	0.84
15	195	1.00
28	223	1.20
15	238	1.50

Arrestance (%)	Dust Fed Plot Point (gms)
99.3	15
99.7	45
100.0	75
100.0	105
100.0	135
100.0	165
100.0	188
100.0	209
100.0	231

Data - Particle Removal Efficiency

Particle Size Range (um)	Geometric Mean Diam (um)	Initial Particle Removal Efficiency (%)
0.30 - 0.40	0.35	63.7
0.40 - 0.55	0.47	72.3
0.55 - 0.70	0.62	81.7
0.70 - 1.00	0.84	88.6
1.00 - 1.30	1.14	93.6
1.30 - 1.60	1.44	96.1
1.60 - 2.20	1.88	97.7
2.20 - 3.00	2.57	98.8
3.00 - 4.00	3.46	99.3
4.00 - 5.50	4.69	99.7
5.50 - 7.00	6.20	99.9
7.00 - 10.00	8.37	99.8

Data - Initial Resistance

Airflow (CFM)	Resistance (in WG)
0	0.00
492	0.06
984	0.12
1476	0.21
1968	0.33
2460	0.46