



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

Date: 3-Dec-10 TEST NO. 10-2051

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

Filter Description

Manufacturer	AAF International (Suzhou)
Filter Model	DRIPAK 2000 M15
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.)	69
Barometric Pressure (In. Hg.)	29.88	Relative Humidity (%)	41

Test Results

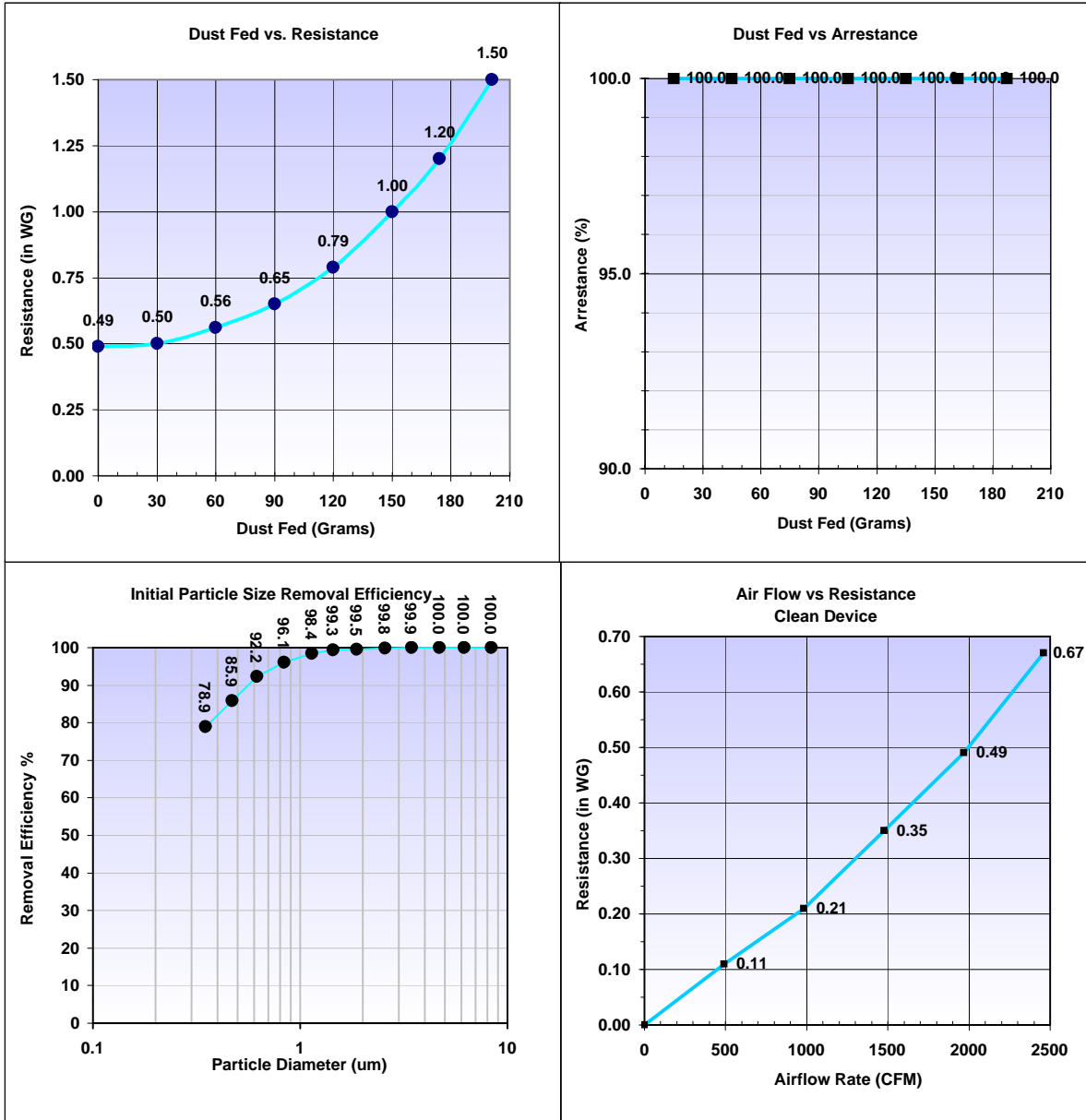
Airflow Rate (CFM)	1968
Nominal Face Velocity (fpm)	492
Initial Resistance (in WG)	0.49
Final Resistance (in WG)	1.50
Dust Fed (gms) to Final Resistance	201
E1 (%) Initial Efficiency 0.30 - 1.0 um	88
E2 (%) Initial Efficiency 1.0 - 3.0 um	99
E3 (%) Initial Efficiency 3.0 - 10.0 um	100
Estimated * Minimum Efficiency Reporting Value (MERV)	MERV 15 @ 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)	201	174	150
Average Arrestance (%)	100	100	100

Approval:

Test No. 10-2051
 Date: 03-Dec-10



Blue Heaven Technologies

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Data - Dust Fed / Arrestance

Dust Fed Increment (gms)	Total Dust Fed (gms)	Resistance (in WG)
0	0	0.49
30	30	0.50
30	60	0.56
30	90	0.65
30	120	0.79
30	150	1.00
24	174	1.20
27	201	1.50

Arrestance (%)	Dust Fed Plot Point (gms)
100.0	15
100.0	45
100.0	75
100.0	105
100.0	135
100.0	162
100.0	188

Data - Particle Removal Efficiency

Particle Size Range (um)	Geometric Mean Diam (um)	Initial Particle Removal Efficiency (%)
0.30 - 0.40	0.35	78.9
0.40 - 0.55	0.47	85.9
0.55 - 0.70	0.62	92.2
0.70 - 1.00	0.84	96.1
1.00 - 1.30	1.14	98.4
1.30 - 1.60	1.44	99.3
1.60 - 2.20	1.88	99.5
2.20 - 3.00	2.57	99.8
3.00 - 4.00	3.46	99.9
4.00 - 5.50	4.69	100.0
5.50 - 7.00	6.20	100.0
7.00 - 10.00	8.37	100.0

Data - Initial Resistance

Airflow (CFM)	Resistance (in WG)
0	0.00
492	0.11
984	0.21
1476	0.35
1968	0.49
2460	0.67