



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

Date: 4-Mar-06 TEST NO. 06-201Rev1

# ASHRAE Standard 52.1-1992 TEST REPORT

Resistance / Arrestance / Dust Holding Capacity

### 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 (sq ft)	Standard
Adhesive Type	None



### Test Conditions

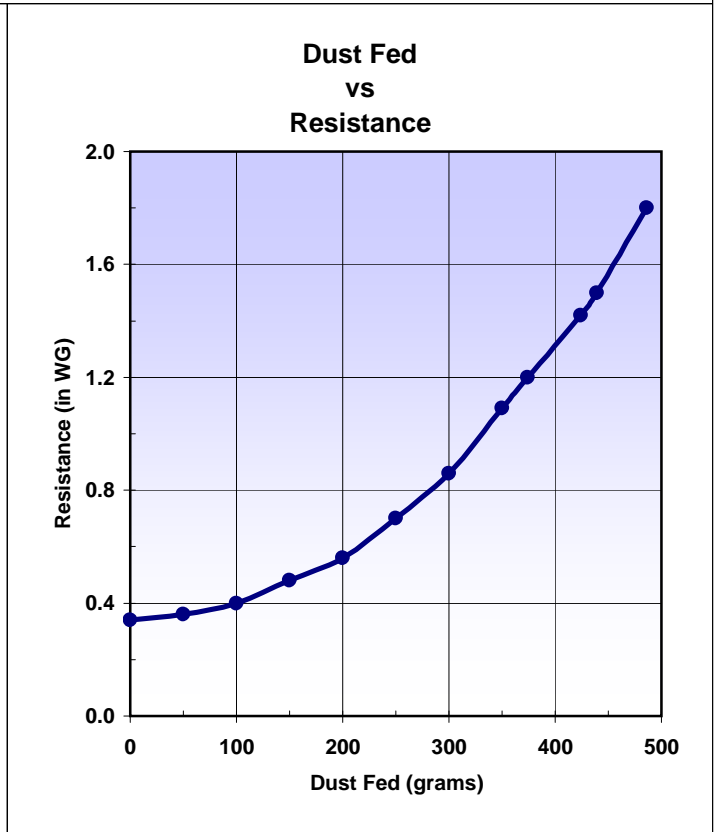
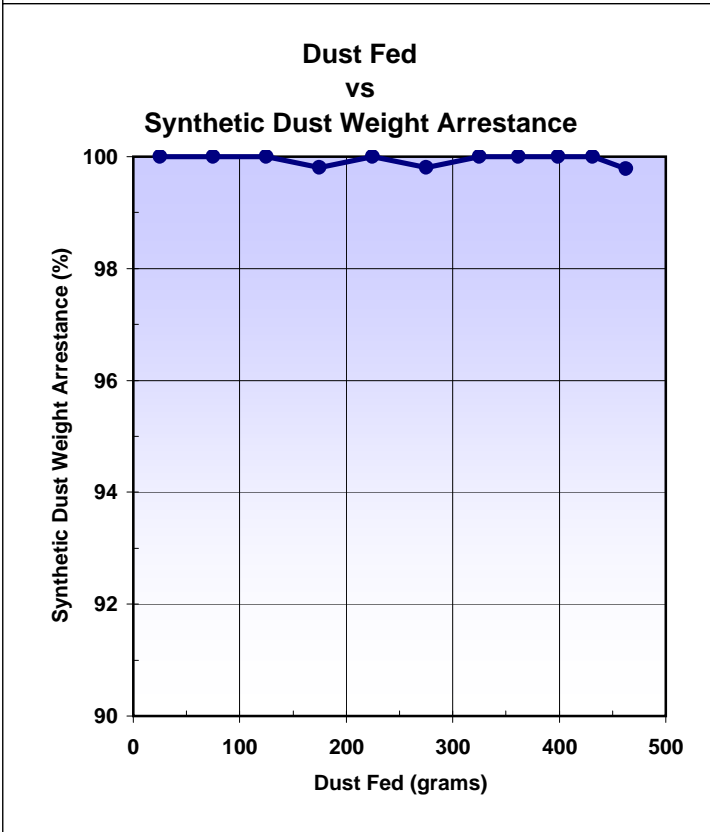
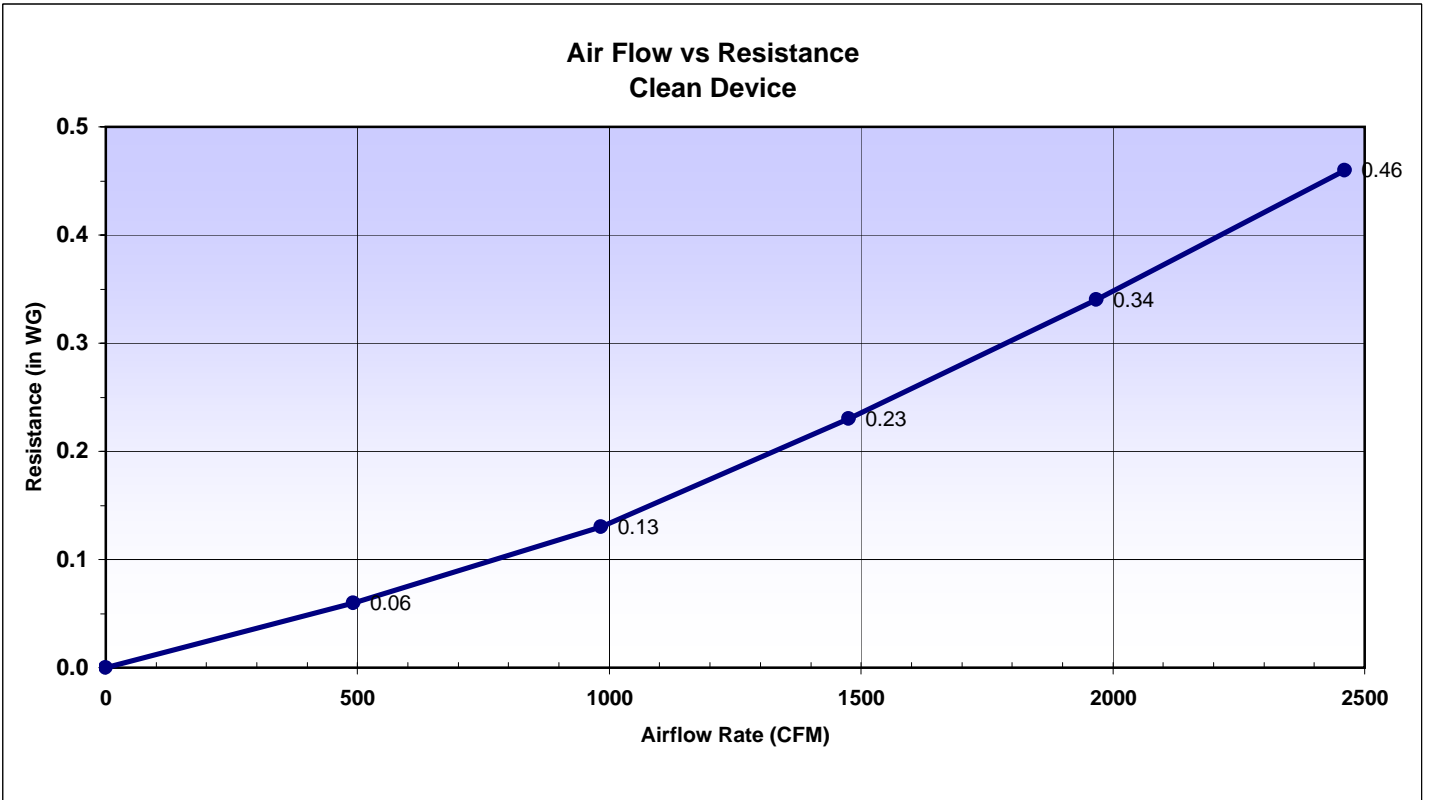
Loading Dust Type	ASHRAE	Test Air Temp (degrees F.)	36
Barometric Pressure (In. Hg.)	29.78	Relative Humidity (%)	60

### Test Results

<b>Airflow Rate (CFM)</b>	<b>1968</b>
<b>Nominal Face Velocity (fpm)</b>	<b>492</b>
<b>Initial Resistance (in WG)</b>	<b>0.34</b>
<b>Final Resistance (in WG)</b>	<b>1.80</b>
<b>Average Synthetic Dust Weight Arrestance (%)</b>	<b>100.0</b>
<b>Dust Holding Capacity (gms)</b>	<b>486</b>

**Comments** Tested For: AAF International  
 1.2" W.C - Avg Arr. = 100% Avg DHC = 374 Gms  
 1.5" W.C. - Avg Arr. = 100% Avg DHC = 439 Gms

Approval:



**Blue Heaven Technologies**

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ASHRAE Standard 52.1-1992

**Test Report**

Test No. 06-201Rev1

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**Data - Air Flow vs Resistance (Clean Device)**

Airflow (CFM)	Resistance (in WG)
0	0
492	0.06
984	0.13
1476	0.23
1968	0.34
2460	0.46

**Data - Dust Fed vs Synthetic Dust Weight Arrestance**

Dust Fed (gms)	Arrestance (%)
0	
25	100.0
75	100.0
125	100.0
175	99.8
225	100.0
275	99.8
325	100.0
362	100.0
399	100.0
432	100.0
463	99.8

**Data - Dust Fed vs Resistance**

Dust Fed (gms)	Res (in WG)
0	0.34
50	0.36
100	0.40
150	0.48
200	0.56
250	0.70
300	0.86
350	1.09
374	1.20
424	1.42
439	1.50
486	1.80