



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

Date: 28-Dec-12 TEST NO. 12-1833ARev1

ASHRAE Standard 52.2-2007 TEST REPORT

Resistance / Arrestance / Dust Holding Capacity

Filter Description

Manufacturer	AAF International
Filter Model	VariCel VXLS MERV 15
Part Number	3081858-003
Generic Filter Type	V-Bank
Nominal Dimensions (H x W x D)	24"x24"x12"
Pocket / Pleat Quantity	8 Panel (4V)
Media Type	Synthetic
Est. Gross Media Area (sq ft)	Standard
Adhesive Type	Standard



Test Conditions

Loading Dust Type	ASHRAE	Test Air Temp (degrees F.)	54
Barometric Pressure (In. Hg.)	29.09	Relative Humidity (%)	36

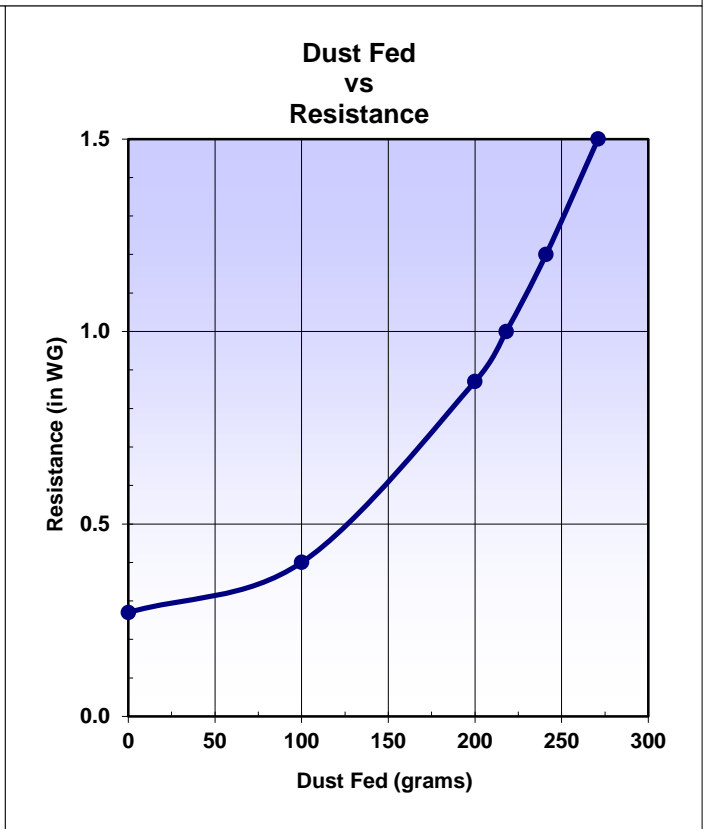
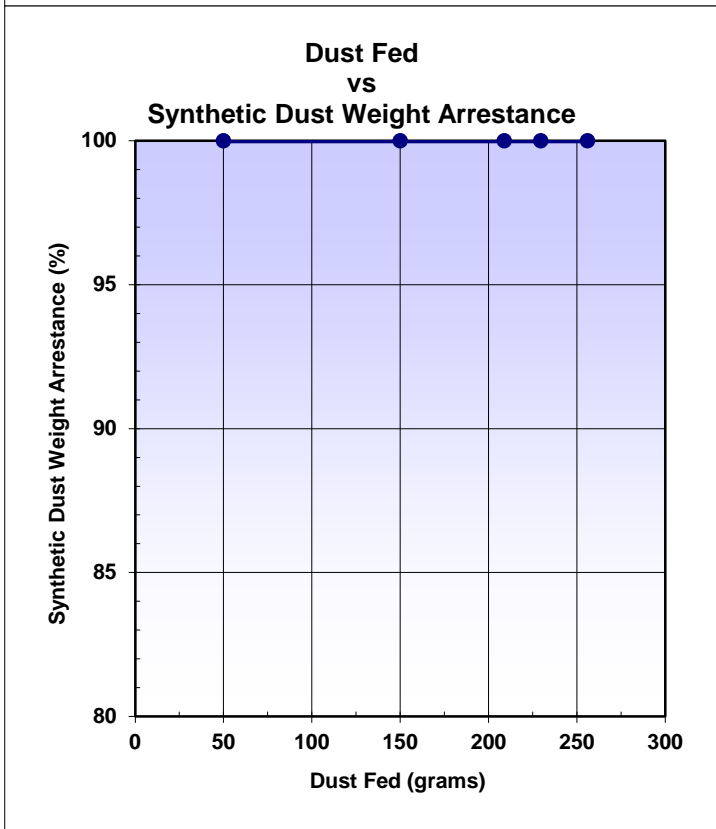
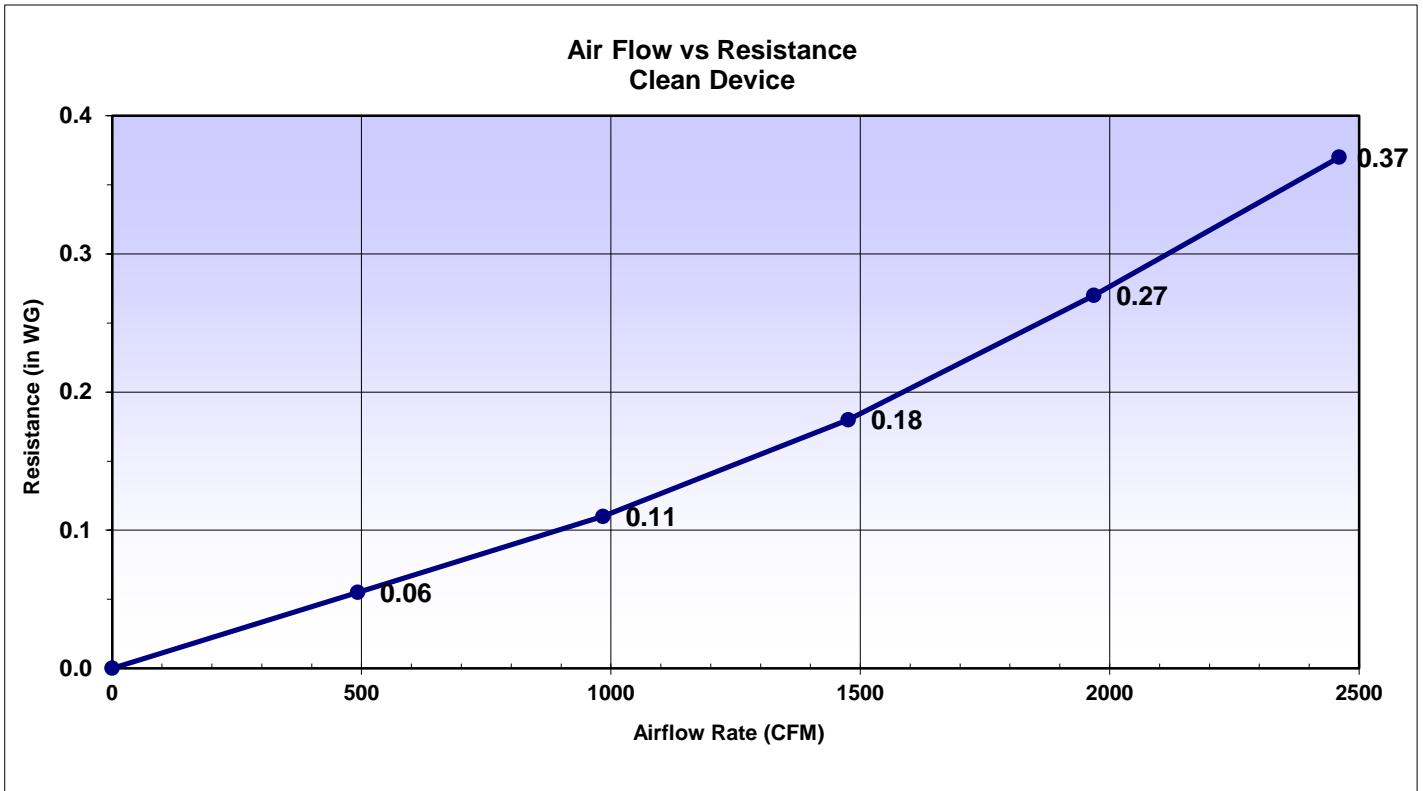
Test Results

Airflow Rate (CFM)	1968
Nominal Face Velocity (fpm)	492
Initial Resistance (in WG)	0.27
Final Resistance (in WG)	1.50
Average Synthetic Dust Weight Arrestance (%)	100.0
Dust Holding Capacity (gms)	271

Comments Tested For: AAF International

	<u>1.0" w.c.</u>	<u>1.2" w.c.</u>	<u>1.5" w.c.</u>
DHC (gms)	218	241	271
Avg. Arrestance (%)	100	100	100

Approval:



Blue Heaven Technologies

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

ASHRAE Standard 52.2-2007

Test Report

Test No. 12-1833ARev1

Date: 28-Dec-12

Data - Air Flow vs Resistance (Clean Device)

Airflow (CFM)	Resistance (in WG)
0	0.00
492	0.06
984	0.11
1476	0.18
1968	0.27
2460	0.37

Data - Dust Fed vs Synthetic Dust Weight Arrestance

Dust Fed (gms)	Arrestance (%)
0	
50	100.0
150	100.0
209	100.0
230	100.0
256	100.0

Data - Dust Fed vs Resistance

Dust Fed (gms)	Res (in WG)
0	0.27
100	0.40
200	0.87
218	1.00
241	1.20
271	1.50