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Date: 17-Dec-12 TEST NO. 12-1833Rev1

ASHRAE Standard 52.2-2007 TEST REPORT Initial Efficiency / Resistance

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	Standard
Adhesive Type	Standard



Test Conditions

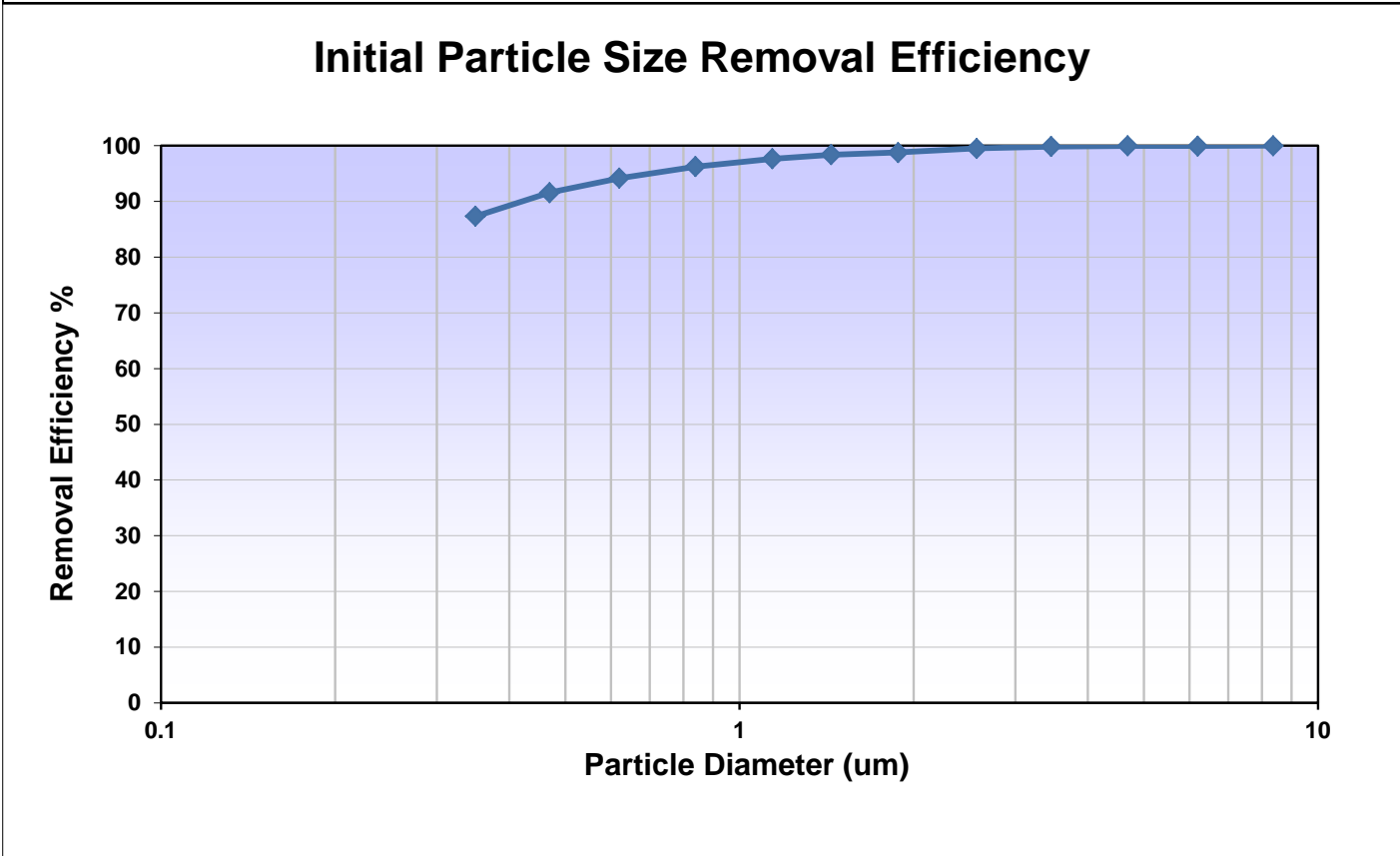
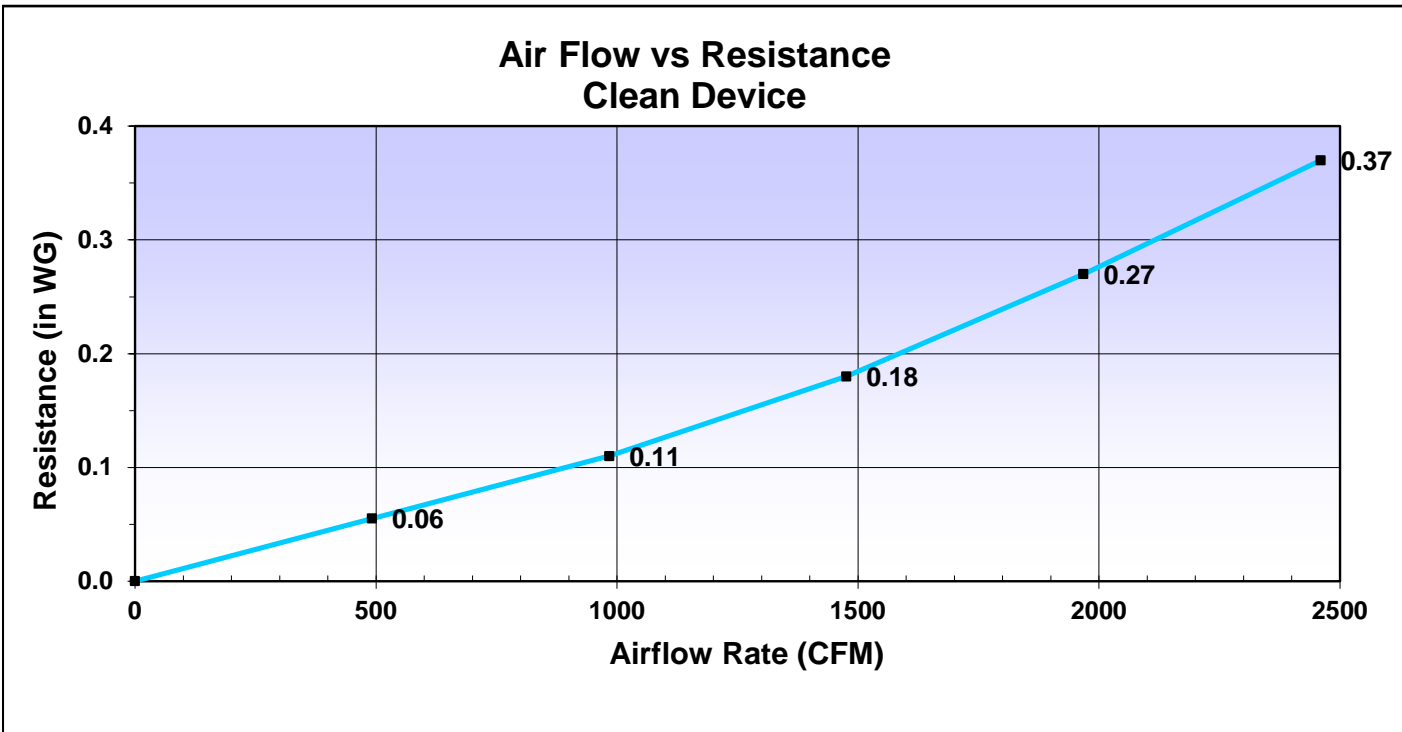
Loading Dust Type	N A	Test Air Temp (degrees F.)	75
Barometric Pressure (In. Hg.)	29.09	Relative Humidity (%)	38

Test Results

Airflow Rate (CFM)	1968
Nominal Face Velocity (fpm)	492
Initial Resistance (in WG)	0.27
E1 (%) Initial Efficiency 0.30 - 1.0 um	92
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

Approval:



Data - Initial Resistance

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

Data - Particle Removal Efficiency

Particle Size Range (um)	Geometric Mean Diam (um)	Initial Particle Removal Efficiency (%)
0.30 - 0.40	0.35	87.3
0.40 - 0.55	0.47	91.6
0.55 - 0.70	0.62	94.2
0.70 - 1.00	0.84	96.2
1.00 - 1.30	1.14	97.7
1.30 - 1.60	1.44	98.4
1.60 - 2.20	1.88	98.8
2.20 - 3.00	2.57	99.5
3.00 - 4.00	3.46	99.8
4.00 - 5.50	4.69	100.0
5.50 - 7.00	6.20	100.0
7.00 - 10.00	8.37	100.0