



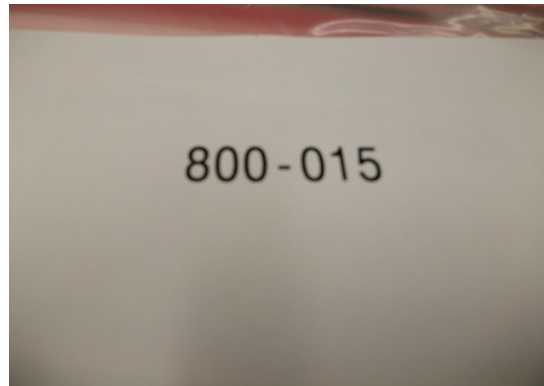
2820 S. English Station Road - Louisville, KY 40299
 Tel: (502) 357-0132 Fax (502) 267-8379

Date: 21-Feb-13 TEST NO. 13-0252

ASHRAE Standard 52.2-2007 TEST REPORT

Filter Description

Manufacturer	Viskon-Aire Corp
Filter Model	AS-85%
Part Number	800-015
Generic Filter Type	Pocket Filter
Nominal Dimensions (H x W x D)	24"x24"x22"
Pocket / Pleat Quantity	8 Pockets
Media Type	Synthetic Meltblown
Est. Gross Media Area	Standard
Adhesive Type	N/A



Test Conditions

Loading Dust Type	ASHRAE	Test Air Temp (degrees F.)	72
Barometric Pressure (In. Hg.)	29.74	Relative Humidity (%)	26

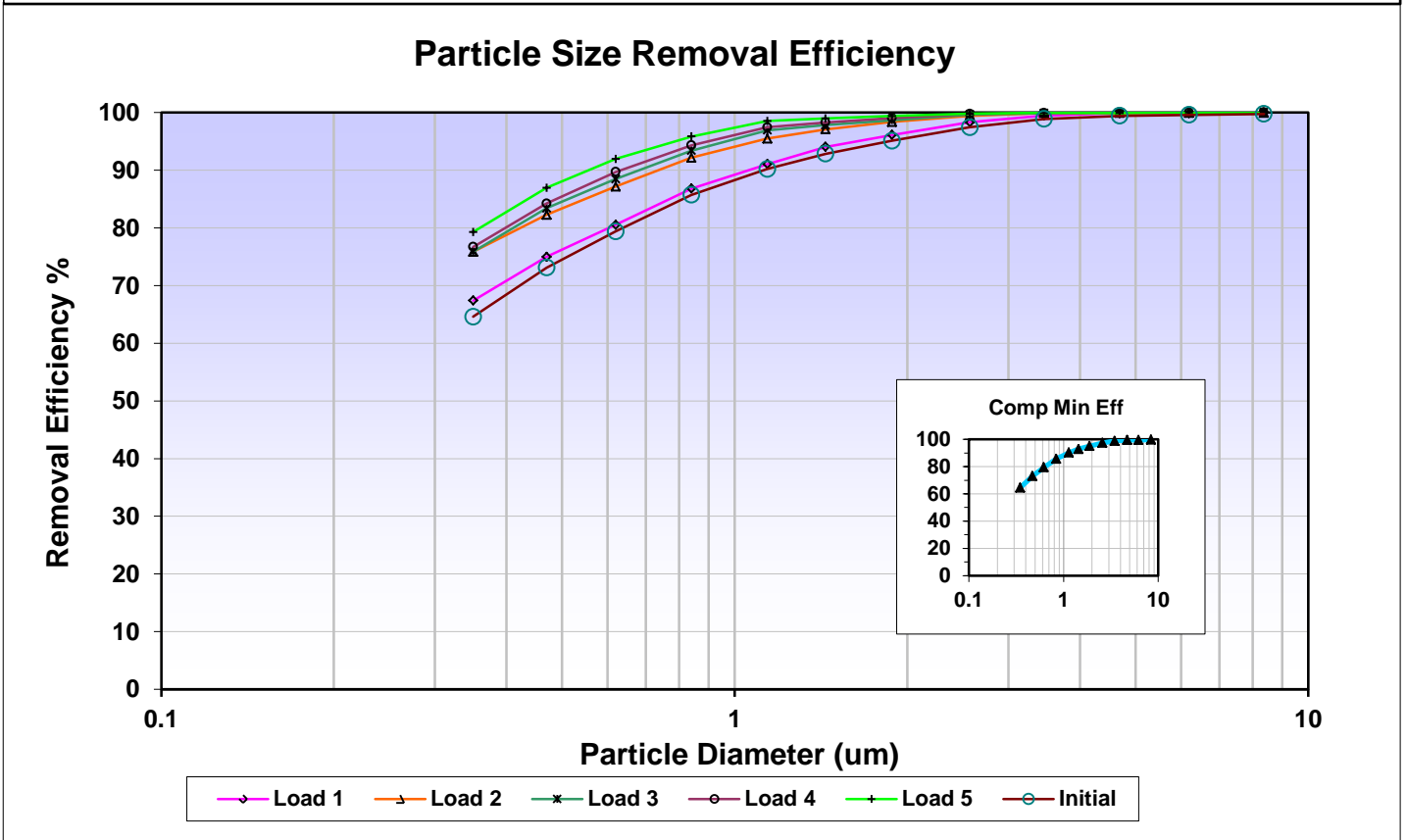
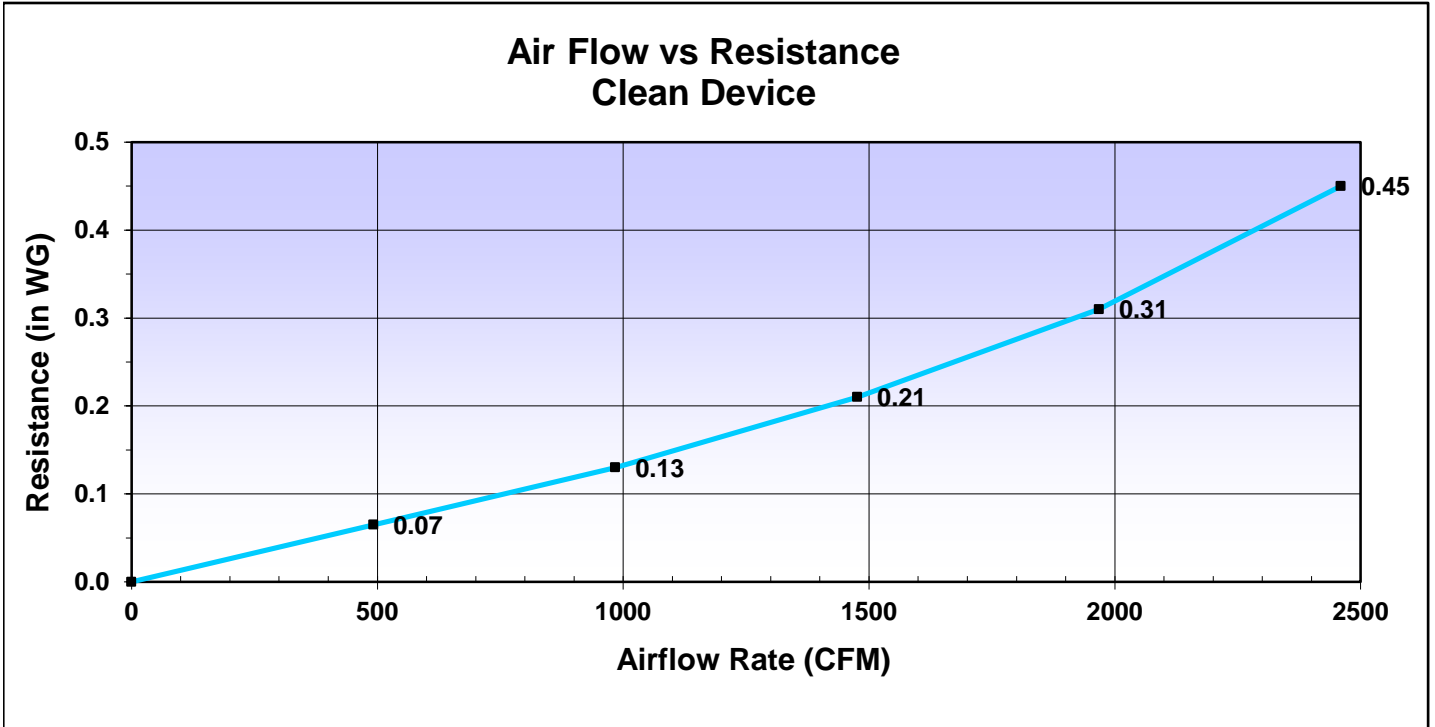
Test Results

Airflow Rate (CFM)	1968
Nominal Face Velocity (fpm)	492
Initial Resistance (in WG)	0.31
Final Resistance (in WG)	1.50
E1 (%) Composite Minimum Avg. Efficiency 0.30 - 1.0 um	76
E2 (%) Composite Minimum Avg. Efficiency 1.0 - 3.0 um	94
E3 (%) Composite Minimum Avg. Efficiency 3.0 - 10.0 um	99
Minimum Efficiency Reporting Value (MERV)	MERV 14 @ 1968 CFM

Comments Tested For: Visikon-Aire Corp
 Dust Fed (gms) to Final Resistance: 110
 Dust Holding Capacity (gms) 110
 Average Arrestance (%) 99.9

Approval:

Test No. 13-0252
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Blue Heaven Technologies

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ASHRAE Standard 52-2007

Test Report

Test No. 13-0252

Date: 21-Feb-13

Data - Initial Resistance

Airflow (CFM)	Resistance (in WG)
0	0.00
492	0.07
984	0.13
1476	0.21
1968	0.31
2460	0.45

Data - Particle Removal Efficiency

Particle Size Range (um)	Geometric Mean Diam (um)	Particle Removal Efficiency (%)							
		CME	Initial	Load 1	Load 2	Load 3	Load 4	Load 5	
0.30 - 0.40	0.35	64.6	64.6	67.4	75.8	75.9	76.7	79.3	
0.40 - 0.55	0.47	73.1	73.1	75.0	82.2	83.4	84.2	86.9	
0.55 - 0.70	0.62	79.4	79.4	80.5	87.1	88.5	89.7	91.9	
0.70 - 1.00	0.84	85.7	85.7	86.8	92.2	93.4	94.3	95.8	
1.00 - 1.30	1.14	90.2	90.2	91.0	95.5	96.9	97.4	98.5	
1.30 - 1.60	1.44	92.8	92.8	94.0	97.1	97.8	98.3	99.0	
1.60 - 2.20	1.88	95.1	95.1	96.1	98.3	98.6	99.0	99.4	
2.20 - 3.00	2.57	97.4	97.4	98.3	99.4	99.6	99.7	99.8	
3.00 - 4.00	3.46	98.9	98.9	99.5	99.9	99.9	99.9	99.9	
4.00 - 5.50	4.69	99.4	99.4	99.9	99.9	100.0	100.0	99.9	
5.50 - 7.00	6.20	99.6	99.6	99.9	99.9	100.0	100.0	100.0	
7.00 - 10.00	8.37	99.7	99.7	100.0	99.9	100.0	100.0	100.0	
		CME	Initial	Load 1	Load 2	Load 3	Load 4	Load 5	
Resistance after Dust Load (in WG) ----->				0.35	0.61	0.91	1.20	1.50	
Dust Load (gms) ----->				18	71	92	103	110	