



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

Date: 14-Jan-15 TEST NO. 15-072

ASHRAE Standard 52.2-2012 TEST REPORT

Filter Description

Manufacturer	Viskon - Aire Corp.
Filter Model	Series 460
Part Number	462-015
Generic Filter Type	Pocket Filter
Nominal Dimensions (H x W x D)	24" x 24" x 22"
Pocket / Pleat Quantity	8 Pockets
Media Type	Fiberglass
Est. Gross Media Area	Standard
Adhesive Type	N/A



Test Conditions

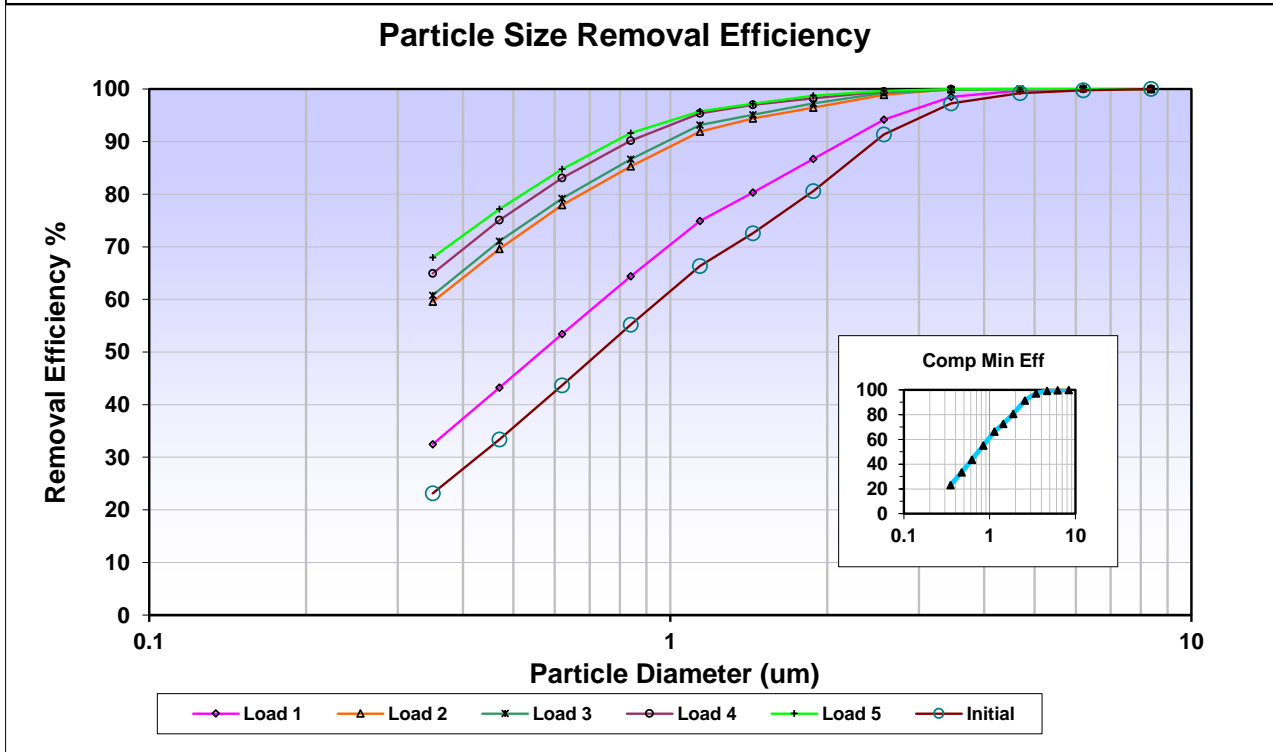
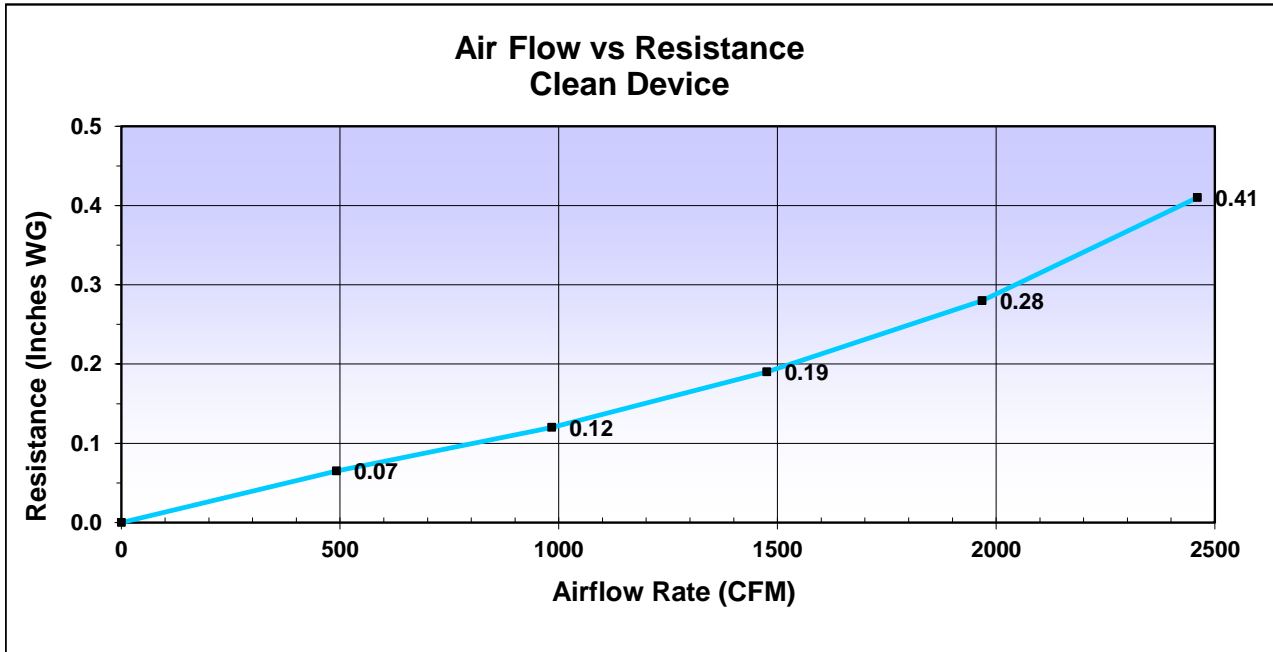
Loading Dust Type	ASHRAE	Test Air Temp (degrees F.)	71
Barometric Pressure (In. Hg.)	29.94	Relative Humidity (%)	30

Test Results

Airflow Rate (CFM)	1968
Nominal Face Velocity (fpm)	492
Initial Resistance (in WG)	0.28
Final Resistance (in WG)	1.50
Dust Fed (gms) to Final Resistance	494
E1 (%) Composite Minimum Avg. Efficiency 0.30 - 1.0 um	39
E2 (%) Composite Minimum Avg. Efficiency 1.0 - 3.0 um	78
E3 (%) Composite Minimum Avg. Efficiency 3.0 - 10.0 um	99
Minimum Efficiency Reporting Value (MERV)	MERV 11 @ 1968 CFM

Comments Tested For: Visikon - Aire Corp.
 Final Pressure Drop ("w.c.) 1.50"w.c.
 Dust Holding Capacity (gms) 491
 Average Arrestance (%) 99.3

Test Performed by: JPS **Approved By:**  **Test Completed:** 14-Jan-15



Data - Initial Resistance

Airflow (CFM)	Resistance (in WG)
0	0.00
492	0.07
984	0.12
1476	0.19
1968	0.28
2460	0.41

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	23.1	23.1	32.5	59.6	60.8	64.9	68.0	
0.40 - 0.55	0.47	33.4	33.4	43.2	69.6	71.1	75.1	77.2	
0.55 - 0.70	0.62	43.7	43.7	53.4	77.9	79.2	83.1	84.8	
0.70 - 1.00	0.84	55.2	55.2	64.4	85.3	86.7	90.2	91.6	
1.00 - 1.30	1.14	66.3	66.3	74.9	91.9	93.2	95.4	95.8	
1.30 - 1.60	1.44	72.6	72.6	80.3	94.4	95.1	97.0	97.2	
1.60 - 2.20	1.88	80.6	80.6	86.7	96.5	97.3	98.3	98.7	
2.20 - 3.00	2.57	91.4	91.4	94.2	98.9	99.3	99.6	99.6	
3.00 - 4.00	3.46	97.3	97.3	98.5	100.0	99.9	100.0	100.0	
4.00 - 5.50	4.69	99.2	99.2	99.7	100.0	100.0	100.0	100.0	
5.50 - 7.00	6.20	99.8	99.8	100.0	100.0	100.0	100.0	100.0	
7.00 - 10.00	8.37	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
		CME	Initial	Load 1	Load 2	Load 3	Load 4	Load 5	
Resistance after Dust Load (in w.c.) ----->				0.30	0.59	0.89	1.20	1.50	
Dust Load (gms) ----->				30	239	337	425	494	