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Date: 16-Jan-15 TEST NO. 15-073

ASHRAE Standard 52.2-2012 TEST REPORT

Filter Description

Manufacturer	Viskon-Aire Corp.
Filter Model	Series 480
Part Number	482-015
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

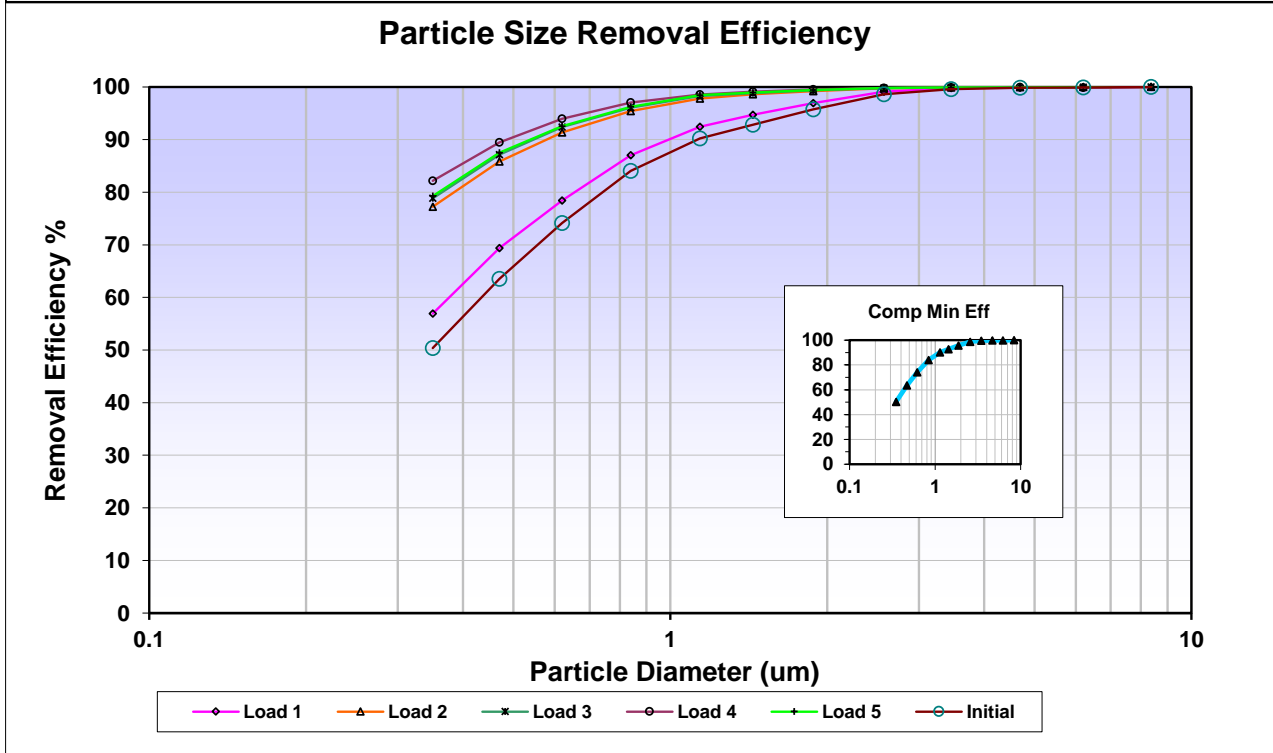
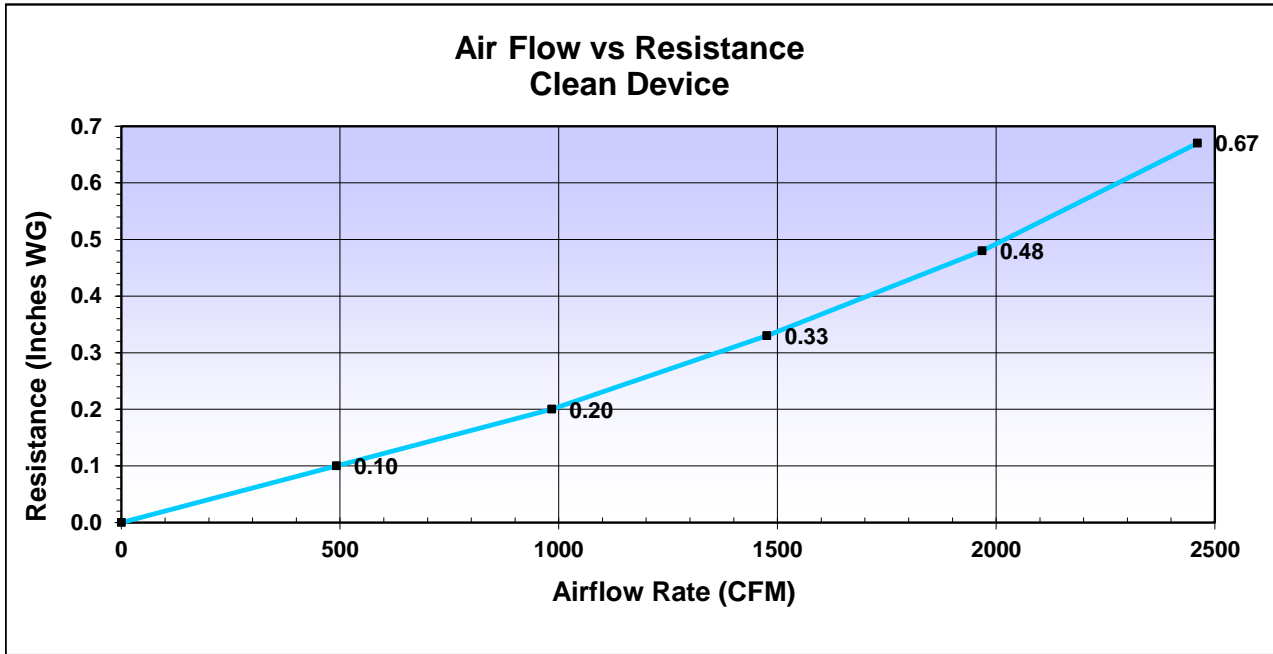
Loading Dust Type	ASHRAE	Test Air Temp (degrees F.)	73
Barometric Pressure (In. Hg.)	29.74	Relative Humidity (%)	24

Test Results

Airflow Rate (CFM)	1968
Nominal Face Velocity (fpm)	492
Initial Resistance (in WG)	0.48
Final Resistance (in WG)	1.50
Dust Fed (gms) to Final Resistance	317
E1 (%) Composite Minimum Avg. Efficiency 0.30 - 1.0 um	68
E2 (%) Composite Minimum Avg. Efficiency 1.0 - 3.0 um	94
E3 (%) Composite Minimum Avg. Efficiency 3.0 - 10.0 um	100
Minimum Efficiency Reporting Value (MERV)	MERV 13 @ 1968 CFM

Comments Tested For: Viskon-Aire Corp.
 Final Pressure Drop ("w.c.) 1.50"w.c.
 Dust Holding Capacity (gms) 317
 Average Arrestance (%) 100.0

Test Performed by: JPS Approved By:  Test Completed: 16-Jan-15



Data - Initial Resistance

Airflow (CFM)	Resistance (in WG)
0	0.00
492	0.10
984	0.20
1476	0.33
1968	0.48
2460	0.67

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	50.4	50.4	56.9	77.2	78.8	82.2	79.3	
0.40 - 0.55	0.47	63.5	63.5	69.4	85.8	87.2	89.5	87.5	
0.55 - 0.70	0.62	74.1	74.1	78.4	91.3	92.4	93.9	92.5	
0.70 - 1.00	0.84	84.1	84.1	87.0	95.4	96.1	97.0	96.2	
1.00 - 1.30	1.14	90.2	90.2	92.4	97.8	98.3	98.5	98.4	
1.30 - 1.60	1.44	92.8	92.8	94.7	98.6	98.8	99.1	98.9	
1.60 - 2.20	1.88	95.8	95.8	97.0	99.2	99.4	99.5	99.4	
2.20 - 3.00	2.57	98.6	98.6	99.1	99.8	99.8	99.8	99.8	
3.00 - 4.00	3.46	99.6	99.6	99.8	99.9	99.9	99.9	99.9	
4.00 - 5.50	4.69	99.9	99.9	99.9	100.0	100.0	100.0	99.9	
5.50 - 7.00	6.20	99.8	99.9	99.9	100.0	99.9	99.8	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.) ----->				0.52	0.74	0.99	1.25	1.50	
Dust Load (gms) ----->				30	188	265	292	317	