



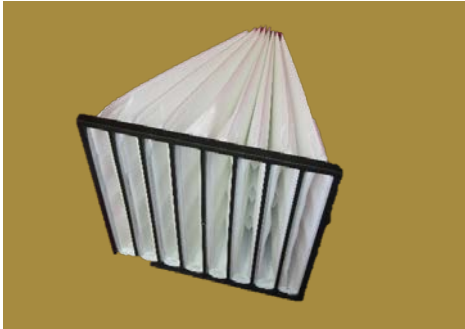
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Date: 20-Mar-18 TEST NO. 18-099-1

Test Report ANSI/ASHRAE Standard 52.2-2017

Filter Description

Manufacturer	Mikropor
Filter Model	MPR-6-08600-03
Part Number	MPR-6-08600-03
Generic Filter Type	Pocket Filter
Nominal Dimensions (H x W x D)	24" x 24" x 24"
Pocket / Pleat Quantity	8 Pockets
Media Type	Polyester
Est. Gross Media Area	60 Ft ²
Adhesive Type	N/A




Test Conditions

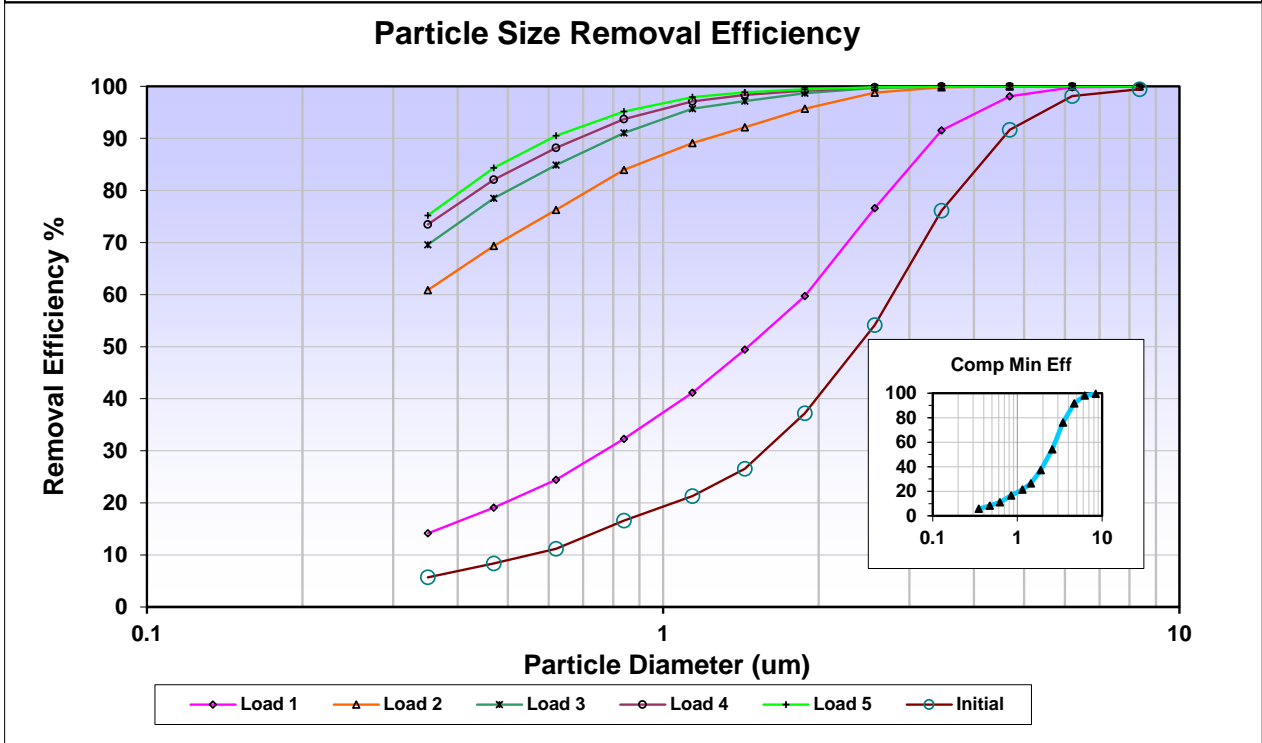
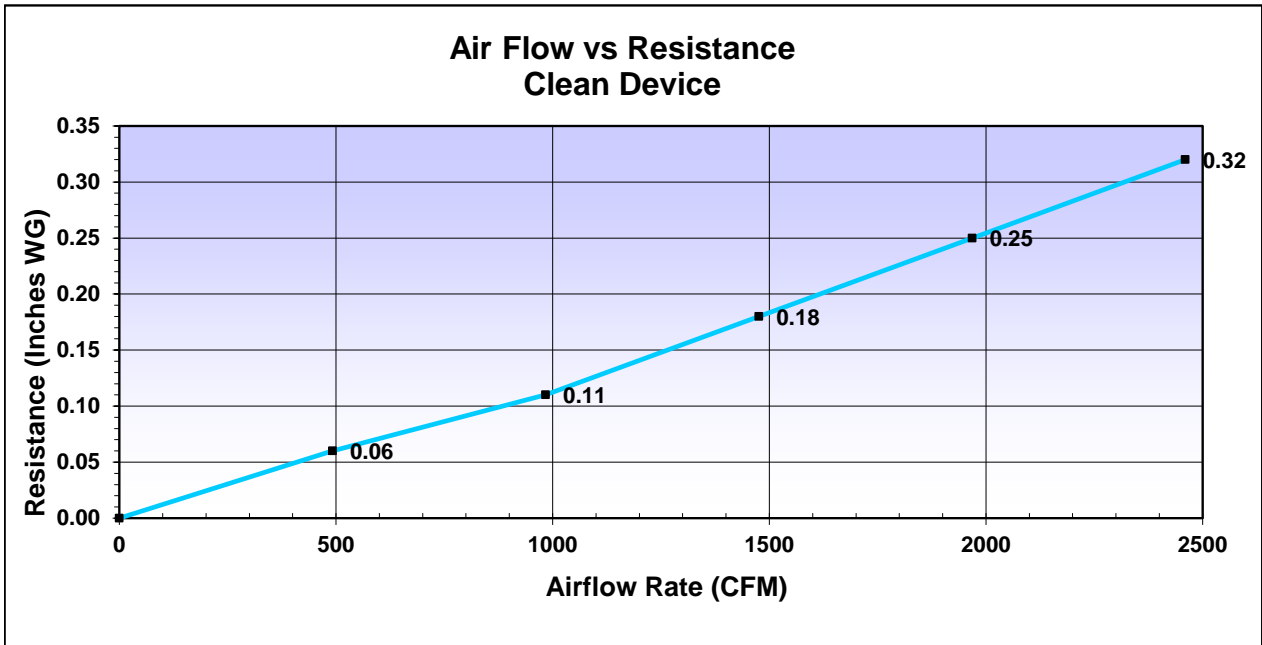
Loading Dust Type	ASHRAE	Test Air Temp (degrees F.)	72
Barometric Pressure (In. Hg.)	29.02	Relative Humidity (%)	43

Test Results

Airflow Rate (CFM)	1968
Nominal Face Velocity (fpm)	492
Initial Resistance (in WG)	0.25
Final Resistance (in WG)	1.50
Dust Fed (gms) to Final Resistance	760
E1 (%) Composite Minimum Avg. Efficiency 0.30 - 1.0 um	10
E2 (%) Composite Minimum Avg. Efficiency 1.0 - 3.0 um	35
E3 (%) Composite Minimum Avg. Efficiency 3.0 - 10.0 um	91
Minimum Efficiency Reporting Value (MERV)	MERV 9 @ 1968 CFM

Comments Tested For: Mikropor
 Final Pressure Drop ("w.c.) 1.50"w.c.
 Dust Holding Capacity (gms) 751
 Average Arrestance (%) 98.8

Test Performed by: CR **Approved By:**  **Test Completed:** 20-Mar-18



Data - Initial Resistance

Airflow (CFM)	Resistance (in WG)
0	0.00
492	0.06
984	0.11
1476	0.18
1968	0.25
2460	0.32

Data - Particle Removal Efficiency

Particle Size Range (µm)	Geometric Mean Diam (µm)	Particle Removal Efficiency (%)							
		5.7	8.4	11.2	14.1	19.1	24.4	26.5	32.3
0.30 - 0.40	0.35	5.7	5.7	14.1	60.9	69.6	73.5	75.2	
0.40 - 0.55	0.47	8.4	8.4	19.1	69.4	78.5	82.1	84.3	
0.55 - 0.70	0.62	11.2	11.2	24.4	76.3	84.9	88.2	90.5	
0.70 - 1.00	0.84	16.6	16.6	32.3	84.0	91.1	93.7	95.2	
1.00 - 1.30	1.14	21.3	21.3	41.1	89.1	95.7	97.1	97.9	
1.30 - 1.60	1.44	26.5	26.5	49.5	92.1	97.2	98.4	98.9	
1.60 - 2.20	1.88	37.2	37.2	59.7	95.7	98.7	99.2	99.4	
2.20 - 3.00	2.57	54.2	54.2	76.6	98.8	99.7	99.8	99.8	
3.00 - 4.00	3.46	76.1	76.1	91.6	99.8	99.9	100.0	99.9	
4.00 - 5.50	4.69	91.6	91.6	98.1	100.0	100.0	100.0	100.0	
5.50 - 7.00	6.20	98.2	98.2	99.8	100.0	100.0	100.0	100.0	
7.00 - 10.00	8.37	99.4	99.4	99.9	100.0	100.0	100.0	100.0	
		CME	Initial	Load 1	Load 2	Load 3	Load 4	Load 5	
				0.25	0.56	0.88	1.19	1.50	
				0	474	624	704	760	

Resistance after Dust Load (in w.c.) ----->
 Dust Load (gms) ----->

Test Data for Release Rate (%)						
Size Range	Geometric Mean of Particle Size Range, µm	Release Rate After Loading	Release Rate After Loading	Release Rate After Loading	Release Rate After Loading	Release Rate After Loading
No.	µm	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
1	0.35	0.028	0.018	0.013	0.047	0.149
2	0.47	0.017	0.018	0.015	0.056	0.167
3	0.62	0.011	0.013	0.008	0.026	0.092
4	0.84	0.014	0.017	0.010	0.039	0.094
5	1.14	0.014	0.023	0.014	0.045	0.093
6	1.44	0.017	0.025	0.018	0.051	0.061
7	1.88	0.015	0.014	0.013	0.040	0.044
8	2.57	0.011	0.025	0.017	0.032	0.033
9	3.46	0.000	0.019	0.019	0.045	0.070
10	4.69	0.023	0.026	0.022	0.056	0.083
11	6.2	0.048	0.028	0.066	0.114	0.114
12	8.37	0.057	0.097	0.087	0.191	0.167