

Air Filter – MERV 8 – Specification Data Sheet

Filter Description

Filter Model	MERV 8
Part Number	PF8.0124246P
Generic Filter Type	Pleated Filter
Nominal Dimensions (H x W x D)	24" x 24" x 1"
Pocket / Pleat Quantity	24 Pleats
Media Type	WRM-8.5
Est. Gross Media Area	7.04 Ft ²
Adhesive Type	N/A



Test Conditions

Loading Dust Type	NA	Test Air Temp (degrees F.)	77
Barometric Pressure (In. Hg.)	29.32	Relative Humidity (%)	39

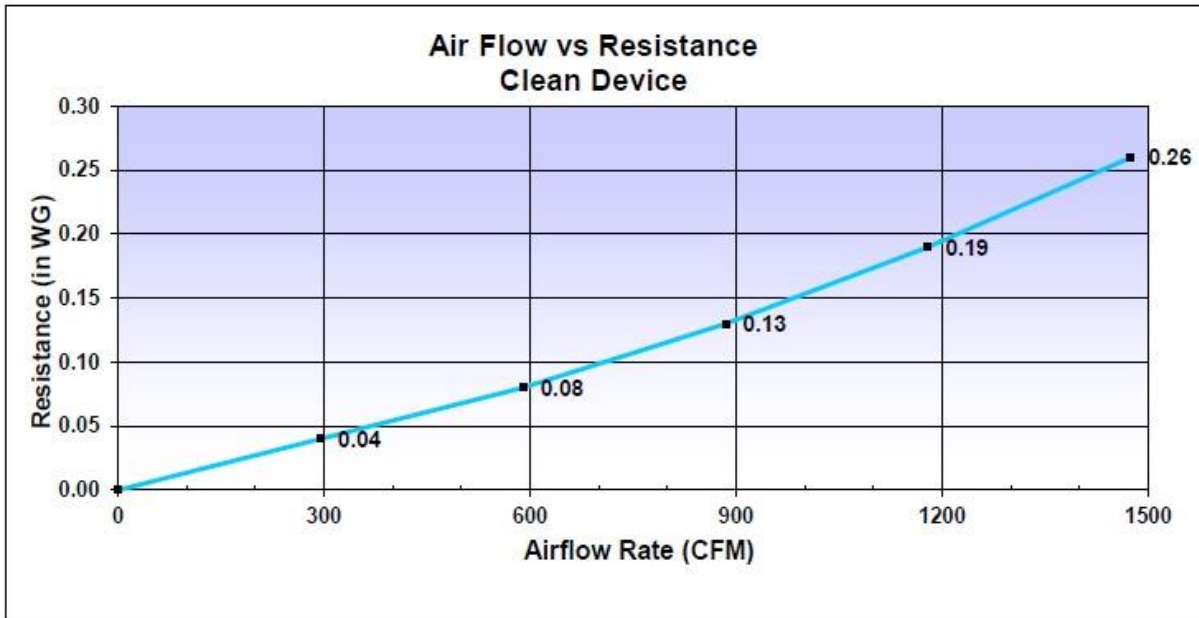
Test Results

Airflow Rate (CFM)	1180
Nominal Face Velocity (fpm)	295
Initial Resistance (in WG)	0.19
E1 (%) Initial Efficiency 0.30 - 1.0 um	6
E2 (%) Initial Efficiency 1.0 - 3.0 um	38
E3 (%) Initial Efficiency 3.0 - 10.0 um	70
Estimated * Minimum Efficiency Reporting Value (MERV) * If initial data is minimum	MERV 8 @ 1180 CFM

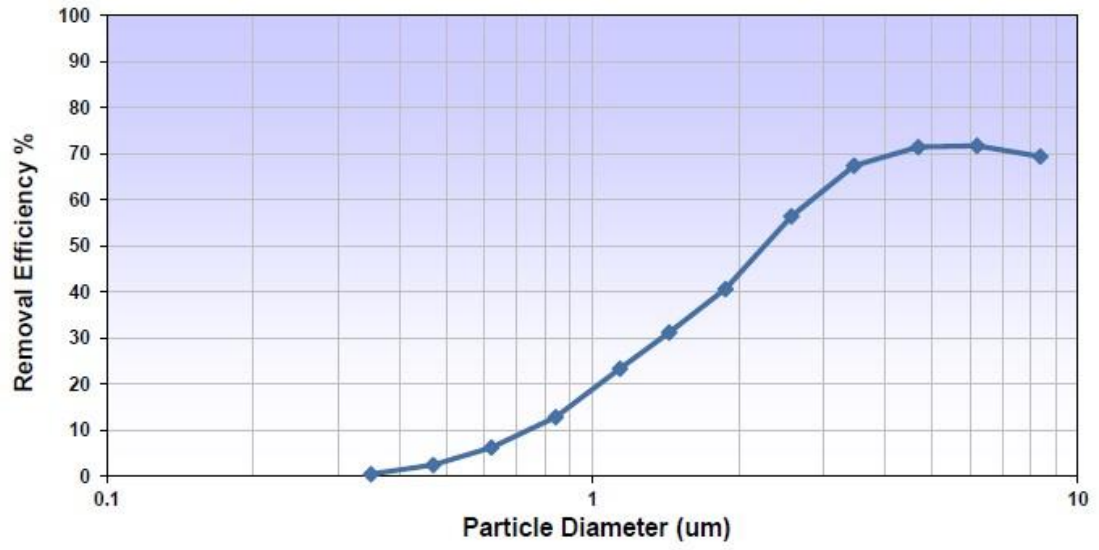
Comments Tested For: Filtration Products Supply

Test Performed by: JPS

Approved By:



Initial Particle Size Removal Efficiency



Data - Initial Resistance

Airflow (CFM)	Resistance (in WG)
0	0.00
295	0.04
590	0.08
885	0.13
1180	0.19
1475	0.26

Data - Particle Removal Efficiency

Particle Size Range (um)	Geometric Mean Diam (um)	Initial Particle Removal Efficiency (%)
0.30 - 0.40	0.35	0.5
0.40 - 0.55	0.47	2.5
0.55 - 0.70	0.62	6.3
0.70 - 1.00	0.84	12.9
1.00 - 1.30	1.14	23.4
1.30 - 1.60	1.44	31.2
1.60 - 2.20	1.88	40.7
2.20 - 3.00	2.57	56.5
3.00 - 4.00	3.46	67.4
4.00 - 5.50	4.69	71.5
5.50 - 7.00	6.20	71.8
7.00 - 10.00	8.37	69.4

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