

## Air Filter – MERV 13 – Specification Data Sheet

### Filter Description

Filter Model	MERV 13
Part Number	PF13.012424
Generic Filter Type	Pleated
Nominal Dimensions (H x W x D)	24" x 24" x 1"
Pocket / Pleat Quantity	30 Pleats
Media Type	TB90
Est. Gross Media Area	8.80 Ft <sup>2</sup>
Adhesive Type	N/A



**Test Conditions**

Loading Dust Type	NA	Test Air Temp (degrees F.)	73
Barometric Pressure (In. Hg.)	29.47	Relative Humidity (%)	39

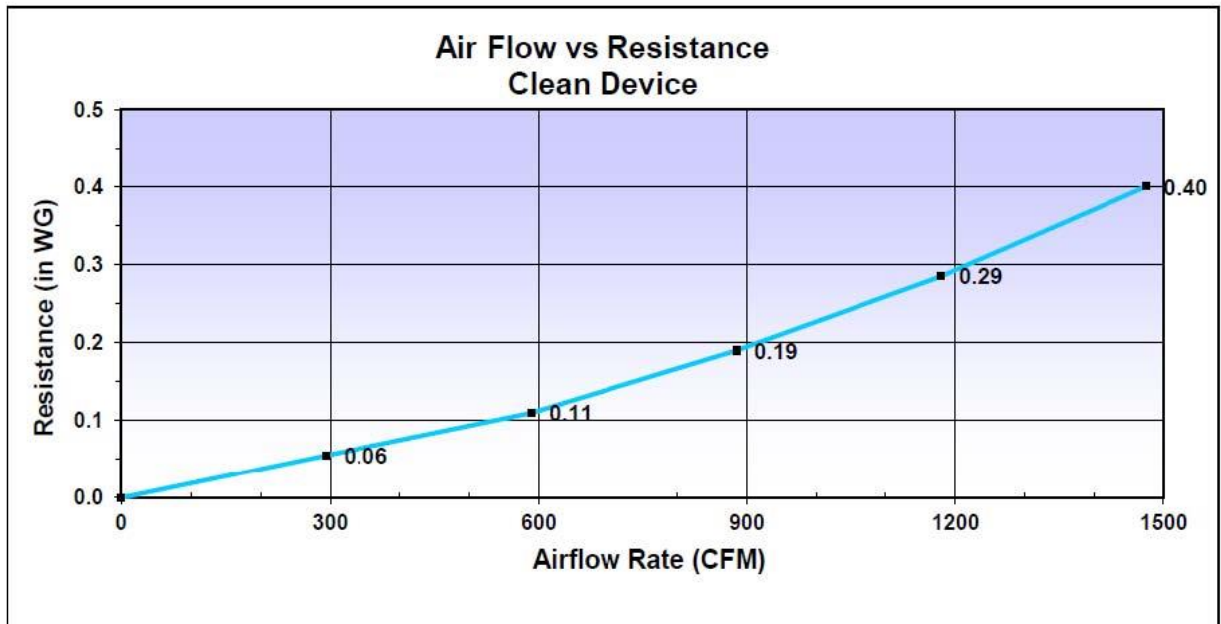
**Test Results**

Airflow Rate (CFM)	1180
Nominal Face Velocity (fpm)	295
Initial Resistance (in WG)	0.29
E1 (%) Initial Efficiency 0.30 - 1.0 um	63
E2 (%) Initial Efficiency 1.0 - 3.0 um	90
E3 (%) Initial Efficiency 3.0 - 10.0 um	95
Estimated * Minimum Efficiency Reporting Value (MERV) * If initial data is minimum	MERV 13 @ 1180 CFM

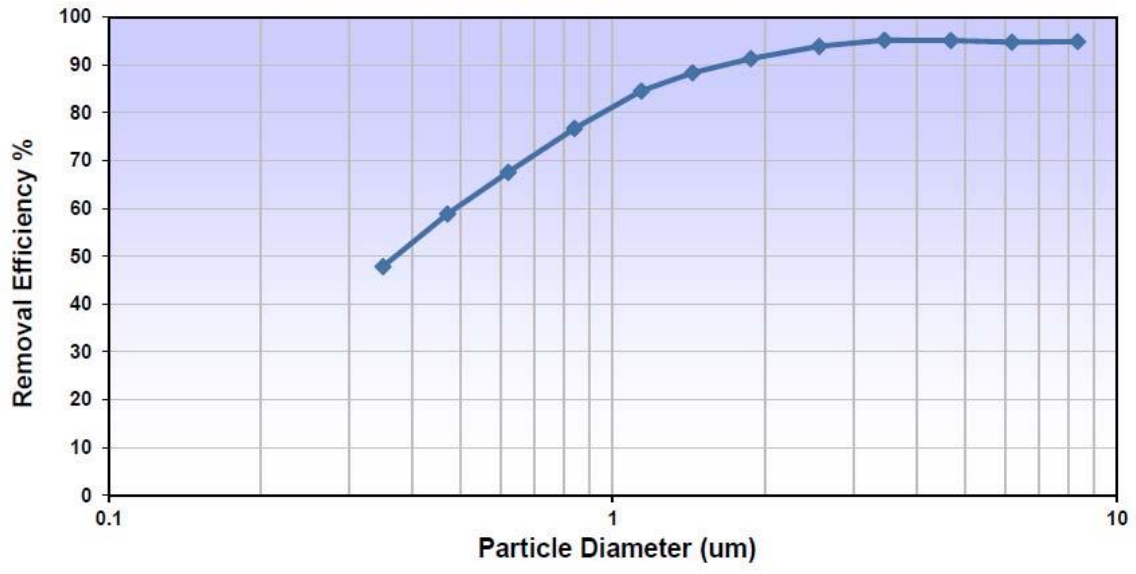
**Comments** Tested For: Filtration Products Supply

Test Performed by: JPS

Approved By:



### Initial Particle Size Removal Efficiency



### Data - Initial Resistance

Airflow (CFM)	Resistance (in WG)
0	0.00
295	0.06
590	0.11
885	0.19
1180	0.29
1475	0.40

### Data - Particle Removal Efficiency

Particle Size Range (um)	Geometric Mean Diam (um)	Initial Particle Removal Efficiency (%)
0.30 - 0.40	0.35	47.8
0.40 - 0.55	0.47	58.9
0.55 - 0.70	0.62	67.6
0.70 - 1.00	0.84	76.7
1.00 - 1.30	1.14	84.6
1.30 - 1.60	1.44	88.3
1.60 - 2.20	1.88	91.3
2.20 - 3.00	2.57	93.9
3.00 - 4.00	3.46	95.2
4.00 - 5.50	4.69	95.1
5.50 - 7.00	6.20	94.8
7.00 - 10.00	8.37	94.8

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