



9920 Corporate Campus Drive,
Ste 2200 Louisville, KY 40223

Date: 9/6/19

TEST #: 19-395A

ASHRAE Standard 52.2-2017 TEST REPORT

Filter Description

Manufacturer	AAF
Filter Model	MegaPleat
Part Number	WPT 7.8D 100
Filter Type	
Filter Date Code	
Nominal Dimensions (in) H x W x D	24 x 24 x 2
Pocket / Pleat Quantity	29
Media Type	Synthetic
Vendor Name	WPT
Installation Information	N/A N/A N/A



Test Conditions

Airflow Rate (CFM)	1968	Nominal Face Velocity (ft/min)	492
Loading Dust Type:	ASHRAE	Test Air Temp (degrees F.)	77
Barometric Pressure (inches Hg)	29.5	Relative Humidity (%)	46

Efficiency Results

E1 (%) Initial Efficiency 0.30 - 1.0 um	7
E2 (%) Initial Efficiency 1.0 - 3.0 um	42
E3 (%) Initial Efficiency 3.0 - 10.0 um	83

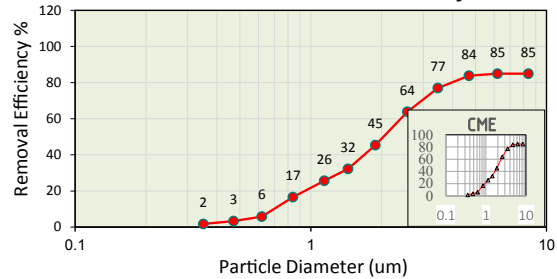
Minimum Efficiency Reporting Value (MERV)*

* Estimated rating based on Initial Efficiency data only

MERV 9 at 1968 CFM

Expected Efficiency 8

Particle Size Removal Efficiency



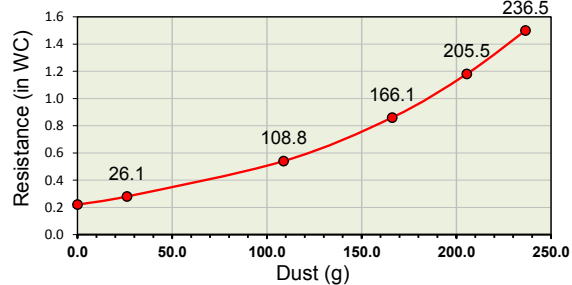
Dust Holding Results

Initial Resistance (inches WC)	0.22
Final Resistance (inches WC)	1.50
Dust Fed at Final Resistance (g)	253
Average Arrestance (%)	94
Dust Holding Capacity (g)	237

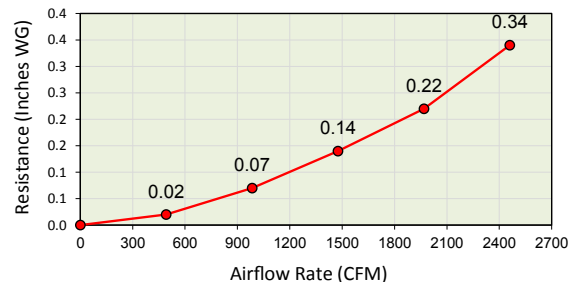
Resistance Results

Air Flow (CFM)	Resistance (w.c.)
492	0.020
984	0.070
1476	0.140
1968	0.220
2460	0.340

Dust Held vs Resistance



Resistance vs Airflow



Comments:

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Approval:

Jeffrey Weis

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