



LMS TECHNOLOGIES, INC.
6423 Cecilia Circle
Bloomington, MN 55439
(952) 918-9060, Fax: (952) 918-9061

Test Report-ASHRAE Test Standard 52.2-2017 (New Classification)

Test Requested By: Viskon-Aire Corporation
 Manufacturer: Viskon-Aire Corporation
 Product Name: RV1124242208F
 Part #: N/A
 Dimensions: 24" x 24" x 22"
 Number of Pleats: 8 Pockets
 Filter Description: Revolution Bag 24x24x22 8P
 How Filter Obtained: Provided by Visikon Aire

Report #: **5110**
 Test Date: **01/16/2020**



Test Results

Test Air Flow Rate(CFM)/Velocity (FPM)	<u>1968 cfm / 492 fpm</u>
Initial Resistance (in. WG)	<u>0.183"</u>
Final Resistance (in. WG)	<u>1.500"</u>
Minimum Efficiency Rating Value (MERV)	<u>MERV 11 @ 1968 cfm</u>
Minimum Average Efficiency 0.3 to 1.0 Microns (E1)	<u>33.9</u>
Minimum Average Efficiency 1.0 to 3.0 Microns (E2)	<u>71.9</u>
Minimum Average Efficiency 3.0 to 10 Microns (E3)	<u>96.2</u>
Dust Fed to Final Resistance (grams)	<u>963.5 grams</u>
Dust Holding Capacity (grams)	<u>961.4 grams</u>
Arrestance:	<u>99.8%</u>

Test Description

Temp & Humidity: 71° F @ 40%
 Particle Analysis: Met One 3400
 Test Dust: SAE Fine Dust
 Test Aerosol: KCl, Neutralized
 LMS#: 6074

Test Engineer : Emile Tadros/Kevin Kwong/Pat Best/Jose Tizcareno/Kia Kiantaj

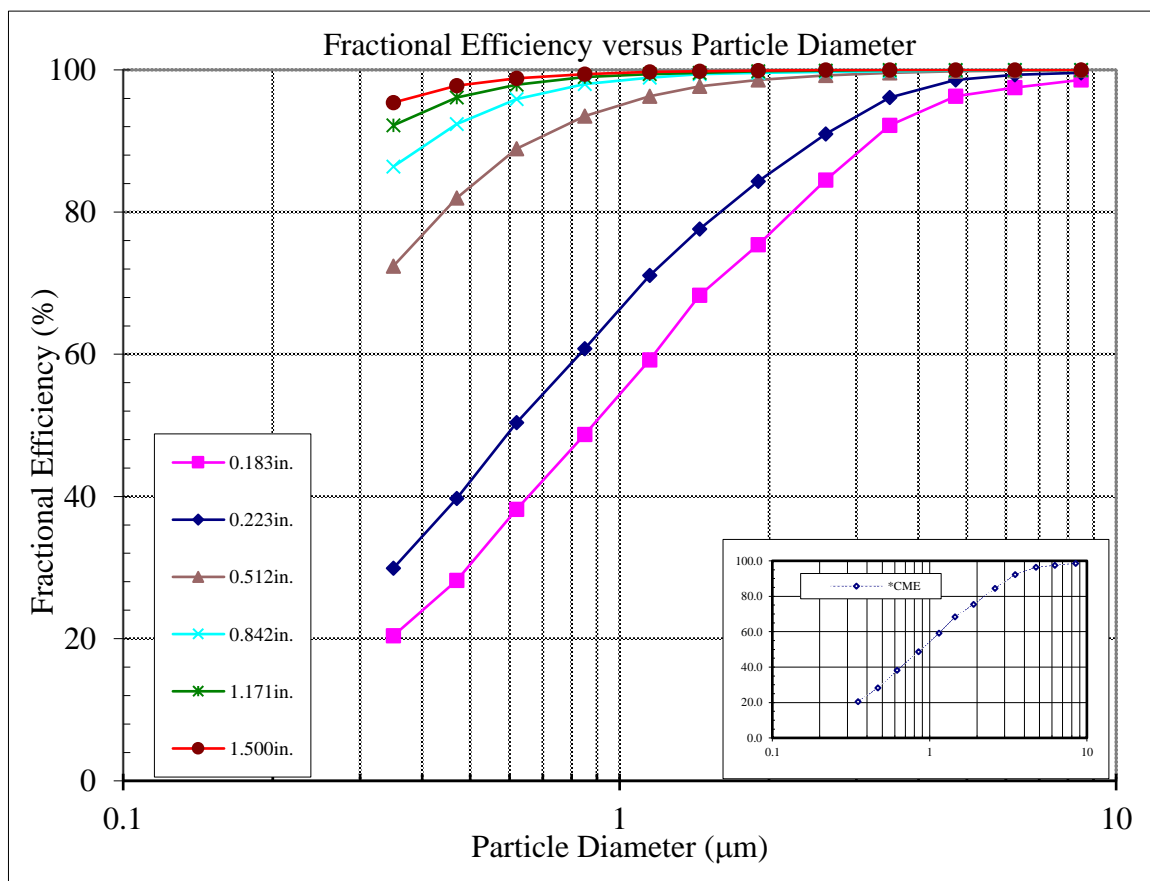
Approved By: K. C. Kwok, Ph.D.

Data verified by LMS Calibration filter* Patent Pending

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Date : January 16, 2020 Filter ID : RV1124242208F Test Type : 52.2-2017 REP# 5110 Test Aerosol : KCl, Neutralized	Requested by : Viskon-Aire Corporation Manufacturer : Viskon-Aire Corporation
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ΔP (" H ₂ O)	0.183in.	0.223in.	0.512in.	0.842in.	1.171in.	1.500in.	*CME
Size Range (μm)	Fractional Efficiency (%)						
0.3-0.4	20.4	29.9	72.4	86.4	92.2	95.4	20.4
0.4-0.55	28.2	39.7	82.0	92.4	96.1	97.8	28.2
0.55-0.7	38.2	50.4	88.9	95.9	97.9	98.8	38.2
0.7-1.0	48.7	60.8	93.5	98.0	99.0	99.4	48.7
1.0-1.3	59.2	71.1	96.3	98.9	99.4	99.7	59.2
1.3-1.6	68.3	77.6	97.7	99.4	99.6	99.8	68.3
1.6-2.2	75.4	84.3	98.6	99.6	99.8	99.9	75.4
2.2-3.0	84.5	91.0	99.2	99.7	99.9	100.0	84.5
3.0-4.0	92.2	96.1	99.6	99.8	100.0	100.0	92.2
4.0-5.5	96.3	98.6	99.8	99.9	100.0	100.0	96.3
5.5-7.0	97.5	99.3	99.9	100.0	100.0	100.0	97.5
7.0-10.0	98.6	99.6	100.0	100.0	100.0	100.0	98.6



ENGINEERING APPROVAL
 K.C. KWOK, PH.D. _____

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Date: January 16, 2020 Filter ID : RV1124242208F Test Type : Pressure Drop of Clean Filter For ASHRAE 52.2-2017 REP# 5110	Test Requested by : Viskon Aire Corporation Filter Manufacturer : Viskon Aire Corporation
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Flow Rate CFM	Velocity FPM	dP (mm H ₂ O)	Pressure drop ("H ₂ O)	% of Rated Airflow	Dust fed	Pressure drop
0	0	0.00	0.000	0%	0.00	0.183
492	123	1.18	0.046	25%	30.00	0.223
984	246	2.33	0.092	50%	373.00	0.512
1476	369	3.46	0.136	75%	611.50	0.842
1968	492	4.65	0.183	100%	788.50	1.171
2460	615	5.95	0.234	125%	963.50	1.500

