



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 Corp.
 Manufacturer: Viskon-Aire Corp.
 Product Name: Series 155
 Part #: N/A
 Dimensions: 24" x 24"
 Number of Pockets: None
 Filter Description: White/Green Poly Panel
 How Filter Obtained: Provided by Viskon-Aire Corp.

Report #: **5113**
 Test Date: **01/27/2020**



Test Results

Test Air Flow Rate(CFM)/Velocity (FPM)	<u>1496 cfm/374 fpm</u>
Initial Resistance (in. WG)	<u>0.283"</u>
Final Resistance (in. WG)	<u>1.500"</u>
Minimum Efficiency Rating Value (MERV)	<u>MERV 8 @ 1496 cfm</u>
Minimum Average Efficiency 0.3 to 1.0 Microns (E1)	<u>3.9</u>
Minimum Average Efficiency 1.0 to 3.0 Microns (E2)	<u>39.0</u>
Minimum Average Efficiency 3.0 to 10 Microns (E3)	<u>70.3</u>
Dust Fed to Final Resistance (grams)	<u>343.8 grams</u>
Dust Holding Capacity (grams)	<u>307.9 grams</u>
Arrestance:	<u>89.6%</u>

Test Description

Temp & Humidity: 71° F @ 40%
 Particle Analysis: Met One 3400
 Test Dust: ASHRAE 52.1 Dust
 Test Aerosol: KCl, Neutralized
 LMS#: 6096

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

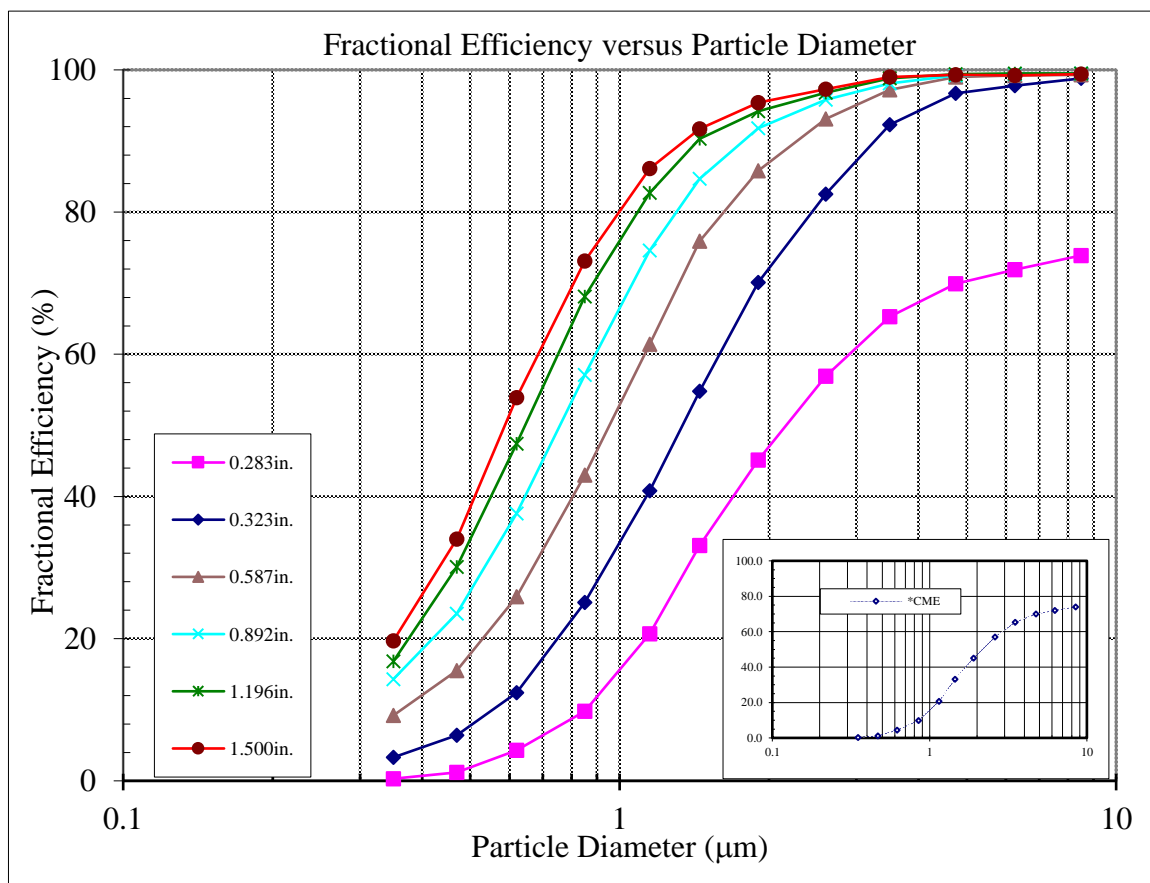
Approved By: K. C. Kwok, Ph.D.

Data verified by LMS Calibration filter* Patent Pending

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Date : January 27, 2020 Filter ID : Series 155 Test Type : 52.2-2017 REP# 5113 Test Aerosol : KCl, Neutralized	Requested by : Viskon-Aire Corp. Manufacturer : Viskon-Aire Corp.
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ΔP (" H ₂ O)	0.283in.	0.323in.	0.587in.	0.892in.	1.196in.	1.500in.	*CME
Size Range (μm)	Fractional Efficiency (%)						
0.3-0.4	0.3	3.3	9.2	14.3	16.8	19.7	0.3
0.4-0.55	1.2	6.4	15.5	23.5	30.1	34.0	1.2
0.55-0.7	4.3	12.4	25.9	37.6	47.4	53.9	4.3
0.7-1.0	9.8	25.1	43.0	57.1	68.1	73.1	9.8
1.0-1.3	20.7	40.8	61.4	74.6	82.7	86.1	20.7
1.3-1.6	33.1	54.8	75.9	84.7	90.3	91.7	33.1
1.6-2.2	45.1	70.1	85.8	91.8	94.2	95.4	45.1
2.2-3.0	56.9	82.5	93.1	95.8	96.8	97.3	56.9
3.0-4.0	65.3	92.3	97.2	98.1	98.8	99.0	65.3
4.0-5.5	69.9	96.7	99.0	99.2	99.4	99.3	69.9
5.5-7.0	71.9	97.8	99.2	99.4	99.5	99.2	71.9
7.0-10.0	73.9	98.8	99.3	99.5	99.5	99.4	73.9



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Date: January 27, 2020 Filter ID : Series 155 Test Type : Pressure Drop of Clean Filter For ASHRAE 52.2-2017 REP# 5113	Test Requested by : Viskon-Aire Corp. Filter Manufacturer : Viskon-Aire Corp.
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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	0.283
374	94	1.30	0.051	25%	12.80	0.323
748	187	2.82	0.111	50%	91.30	0.587
1122	281	4.95	0.195	75%	184.30	0.892
1496	374	7.20	0.283	100%	275.30	1.196
1870	468	10.07	0.396	125%	343.80	1.500

