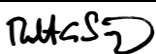
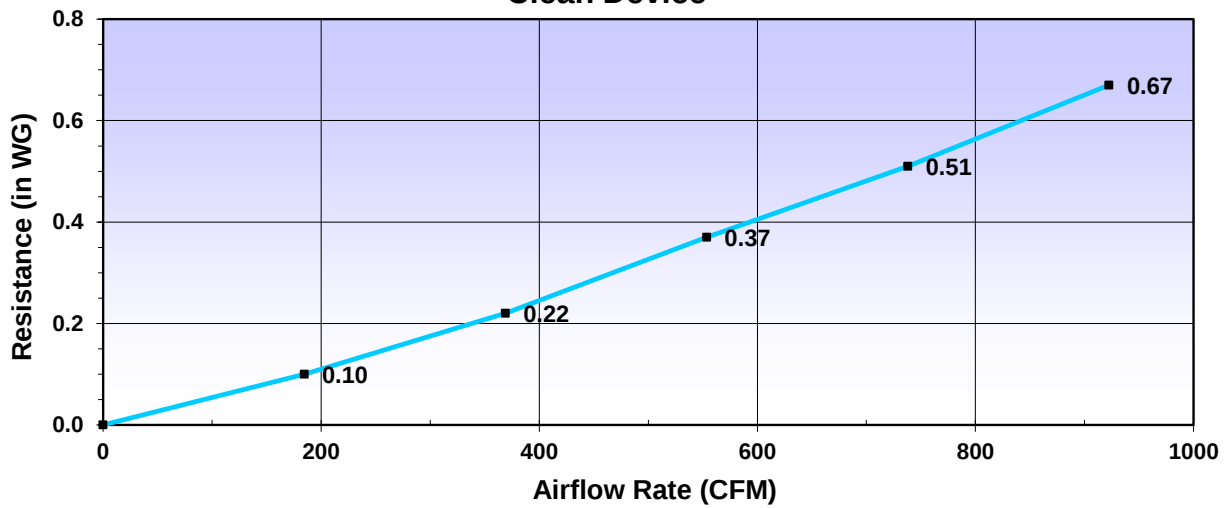


 Blue Heaven Technologies 2820 S. English Station Road - Louisville, KY 40299 Tel: (502) 357-0132 Fax (502) 267-8379	Date: 15-Dec-22 TEST NO. 22-549-1 ASHRAE Standard 52.2-2017 TEST REPORT Initial Efficiency / Resistance																		
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Test Performed by: TS, CAFS Approved By:  Manager																			

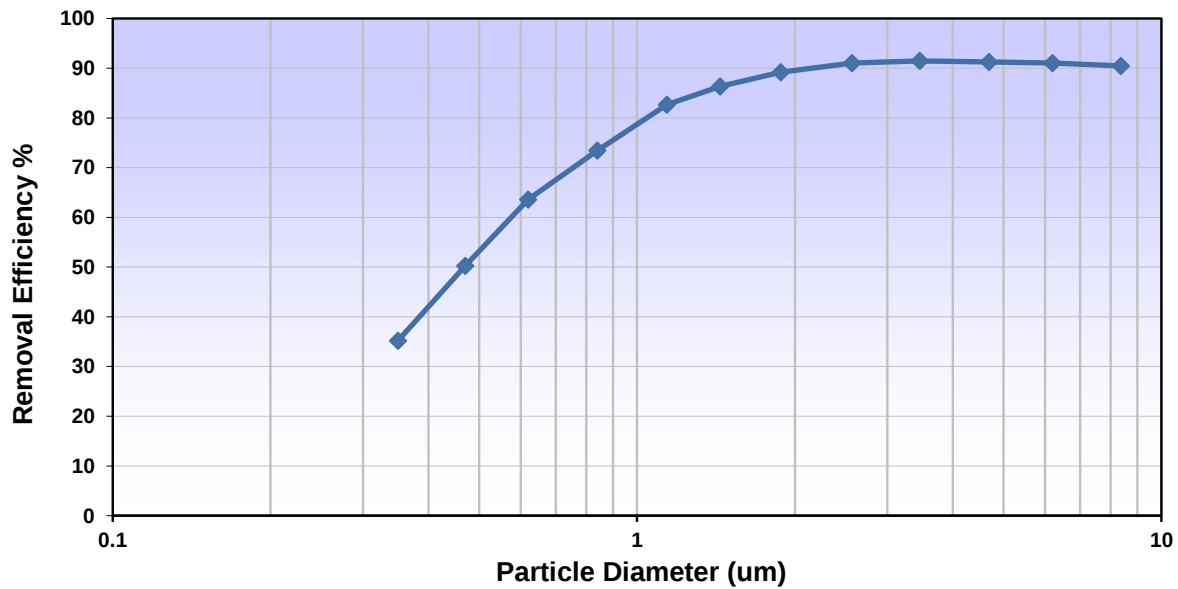
Important Note: Please be advised that the ASHRAE committee SSPC 52.2, in March 2016, has published "addendum e" relative to the 52.2-2012 test protocol. This addendum restricts the use of the acronym "MERV" as only applicable to a test report that has been completed using the "entire procedure prescribed by the standard". This report is a modified version of the procedure and therefore, subject to that ruling. In the best interest of our customers, Blue Heaven Technologies has elected to delay this action until further assessment can be made at committee level. Where applicable, the qualified use of the term "MERV" will continue to be part of our reported data.

Test No. 22-549-1
Date: 15-Dec-22

**Air Flow vs Resistance
Clean Device**



Initial Particle Size Removal Efficiency



Test No. 22-549-1
Date: 15-Dec-22

Data - Initial Resistance

Airflow (CFM)	Resistance (in WG)
0	0.00
185	0.10
369	0.22
554	0.37
738	0.51
923	0.67

Data - Particle Removal Efficiency

Particle Size Range (um)	Geometric Mean Diam (um)	Initial Particle Removal Efficiency (%)
0.30 - 0.40	0.35	35.2
0.40 - 0.55	0.47	50.3
0.55 - 0.70	0.62	63.6
0.70 - 1.00	0.84	73.4
1.00 - 1.30	1.14	82.7
1.30 - 1.60	1.44	86.3
1.60 - 2.20	1.88	89.2
2.20 - 3.00	2.57	91.0
3.00 - 4.00	3.46	91.5
4.00 - 5.50	4.69	91.2
5.50 - 7.00	6.20	91.0
7.00 - 10.00	8.37	90.5