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|  <p>Blue Heaven Technologies</p> <p>2820 S. English Station Road - Louisville, KY 40299 Tel: (502) 357-0132</p> | <p>Date: 17-Oct-24</p> | <p>TEST NO. 24-708-1</p> |
| |   <p>ACCREDITED CERTIFICATE #6798.01 ISO/IEC 17025:2017</p> | <p>Test Report ASHRAE Standard 52.2-2017 Initial Efficiency / Resistance</p> |

Test results relate only to items tested. Report shall not be reproduced w/o permission

Filter Description

| | |
|--------------------------------|-----------------------------|
| Manufacturer | Essential Air Products, LLC |
| Filter Model | NA20242 |
| Part Number | N/A |
| Generic Filter Type | Mini-Pleat |
| Nominal Dimensions (H x W x D) | 20" x 24" x 2" |
| Pocket / Pleat Quantity | 157 Pleats |
| Media Type | Synthetic |
| Est. Gross Media Area | 3611Ft ² |
| Adhesive Type | N/A |



Test Conditions

| | | | |
|-------------------------------|-------|----------------------------|----|
| Loading Dust Type | NA | Test Air Temp (degrees F.) | 69 |
| Barometric Pressure (In. Hg.) | 29.76 | Relative Humidity (%) | 54 |

Test Results

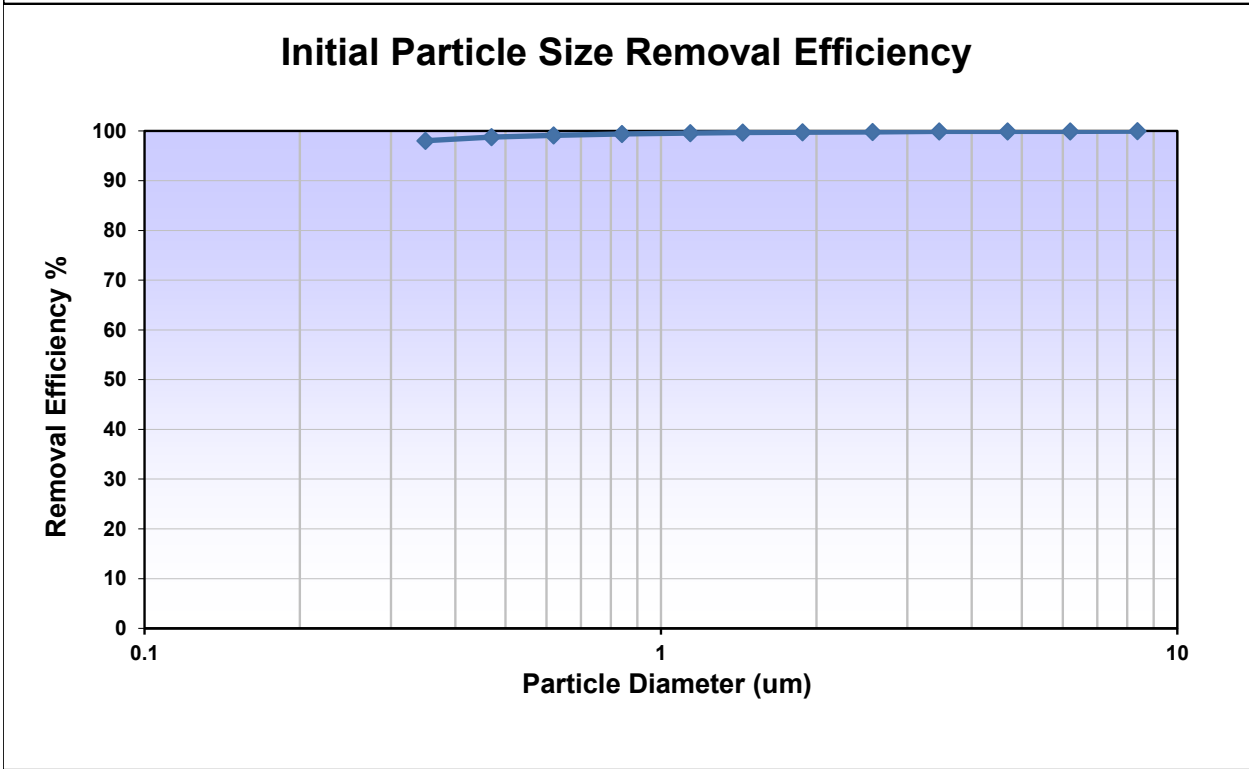
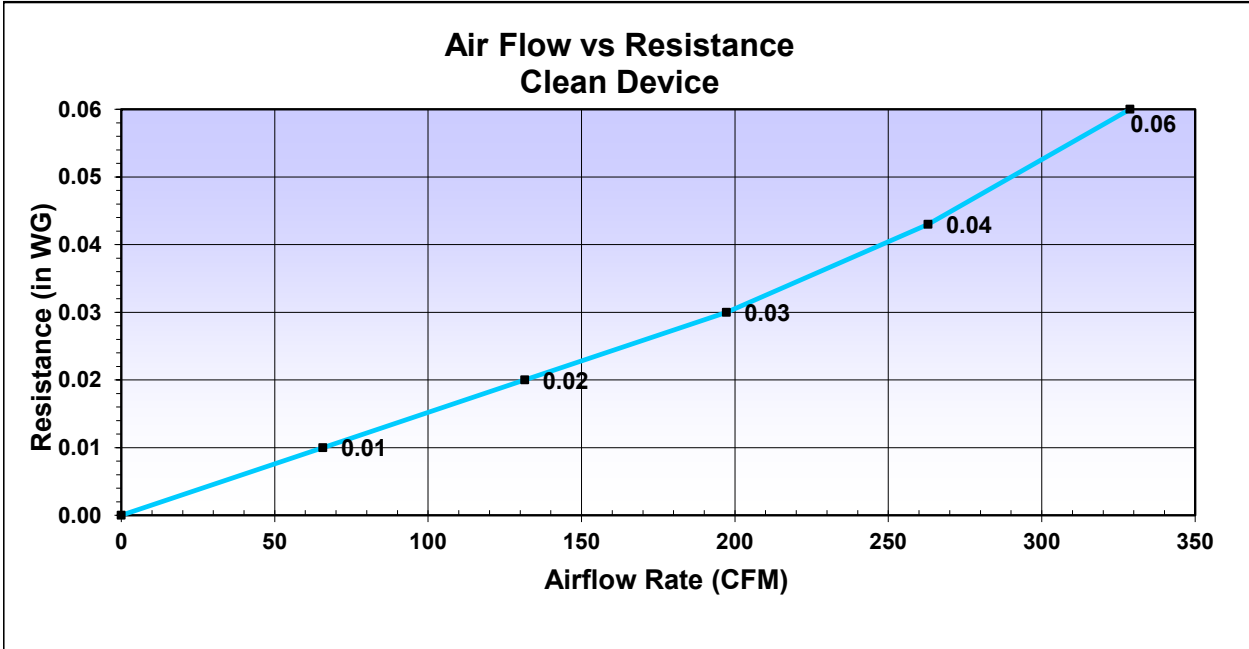
| | |
|--|--------------------------|
| Airflow Rate (CFM) | 263 |
| Nominal Face Velocity (fpm) | 79 |
| Initial Resistance (in WG) | 0.04 |
| E1 (%) Initial Efficiency 0.30 - 1.0 um | 99 |
| E2 (%) Initial Efficiency 1.0 - 3.0 um | 100 |
| E3 (%) Initial Efficiency 3.0 - 10.0 um | 100 |
| Estimated * Minimum Efficiency Reporting Value (MERV) | MERV 16 @ 263 CFM |
| <i>* If initial data is minimum</i> | |

Comments Tested For: Essential Air Products

Test Performed by: C Rees CAFS Approved By: **T Shoulders** Manager

Important Note: Please be advised that ASHRAE committee SSPC 52.2, in March 2016, published "addendum e" relative to 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.

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Data - Initial Resistance

| Airflow (CFM) | Resistance (in WG) |
|---------------|--------------------|
| 0 | 0.00 |
| 66 | 0.01 |
| 132 | 0.02 |
| 197 | 0.03 |
| 263 | 0.04 |
| 329 | 0.06 |

Data - Particle Removal Efficiency

| Particle Size Range (um) | Geometric Mean Diam (um) | Initial Particle Removal Efficiency (%) |
|--------------------------|--------------------------|---|
| 0.30 - 0.40 | 0.35 | 98.0 |
| 0.40 - 0.55 | 0.47 | 98.7 |
| 0.55 - 0.70 | 0.62 | 99.1 |
| 0.70 - 1.00 | 0.84 | 99.4 |
| 1.00 - 1.30 | 1.14 | 99.6 |
| 1.30 - 1.60 | 1.44 | 99.7 |
| 1.60 - 2.20 | 1.88 | 99.8 |
| 2.20 - 3.00 | 2.57 | 99.8 |
| 3.00 - 4.00 | 3.46 | 99.9 |
| 4.00 - 5.50 | 4.69 | 99.9 |
| 5.50 - 7.00 | 6.20 | 99.9 |
| 7.00 - 10.00 | 8.37 | 99.9 |