


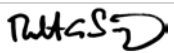
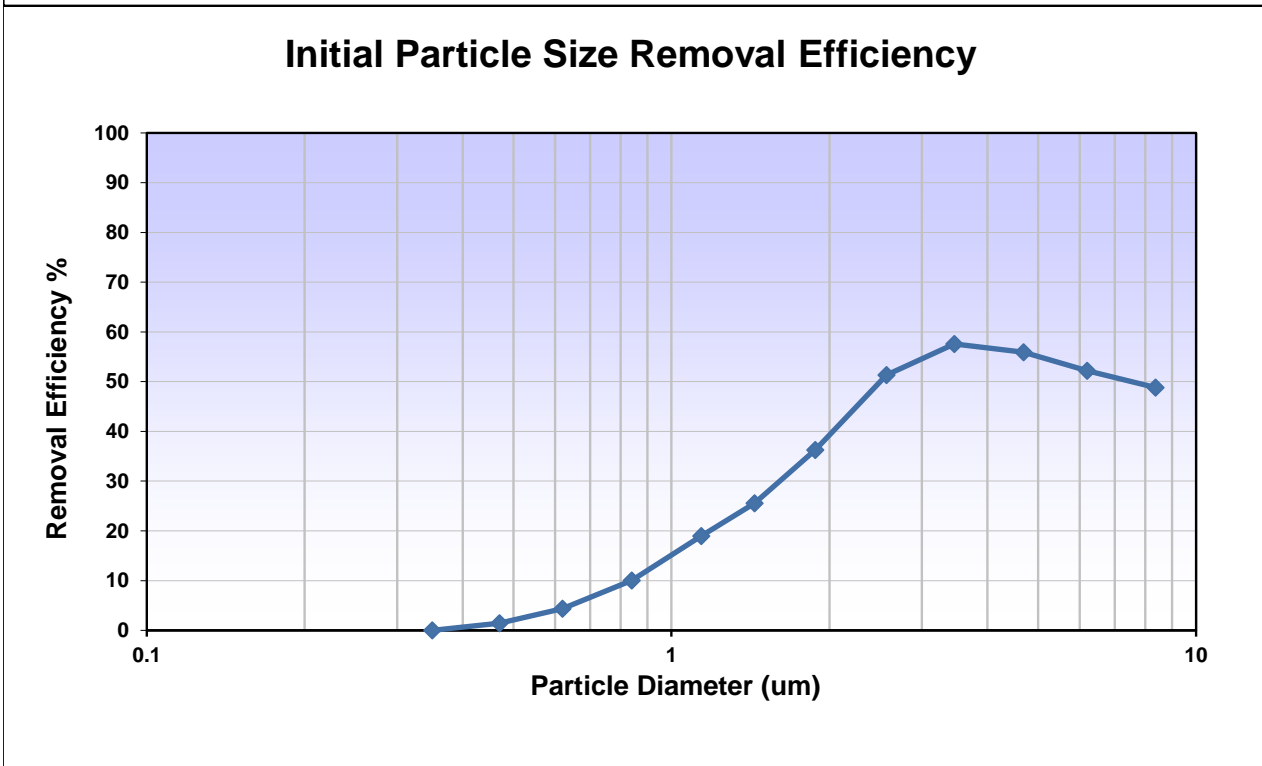
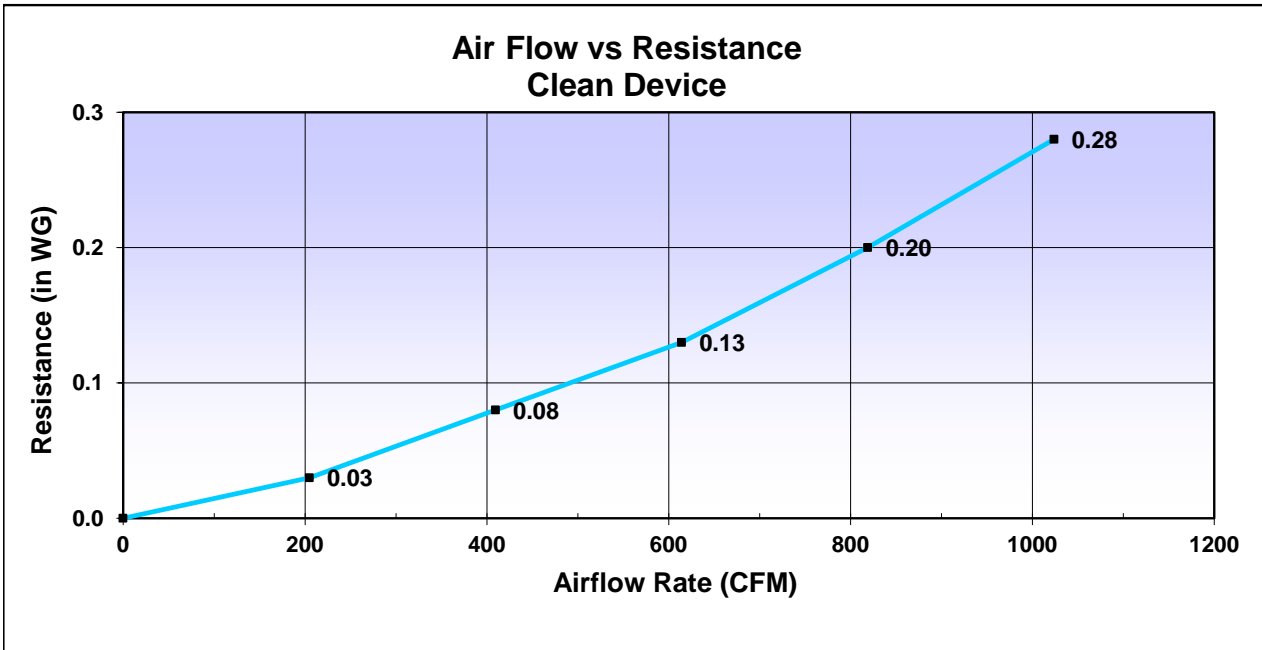


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|--|---|----------------------------|-------------|-----------------------------|----------------|-------------------------------|---------|---|---------------|--|----------------|---|-----|--|-------------------------------------|------------------------------|----------------------|---------------|-----|
| | <p>Date: 15-Mar-17 TEST NO. 17-157-1Rev2</p> <p style="text-align: center;">ASHRAE Standard 52.2-2017 TEST REPORT Initial Efficiency / Resistance</p> | | | | | | | | | | | | | | | | | | |
| <p>Filter Description</p> <table style="width: 100%;"> <tr> <td style="width: 50%;">Manufacturer</td> <td>ElectroDust</td> </tr> <tr> <td>Filter Model</td> <td>E Model (Thin)</td> </tr> <tr> <td>Part Number</td> <td>E2020-1</td> </tr> <tr> <td>Generic Filter Type</td> <td>ElectroStatic</td> </tr> <tr> <td>Nominal Dimensions (H x W x D)</td> <td>20" x 20" x 1"</td> </tr> <tr> <td>Pocket / Pleat Quantity</td> <td>N/A</td> </tr> <tr> <td>Media Type</td> <td>Woven Polymer / Non Woven Synthetic</td> </tr> <tr> <td>Est. Gross Media Area</td> <td>2.78 Ft²</td> </tr> <tr> <td>Adhesive Type</td> <td>N/A</td> </tr> </table> | | Manufacturer | ElectroDust | Filter Model | E Model (Thin) | Part Number | E2020-1 | Generic Filter Type | ElectroStatic | Nominal Dimensions (H x W x D) | 20" x 20" x 1" | Pocket / Pleat Quantity | N/A | Media Type | Woven Polymer / Non Woven Synthetic | Est. Gross Media Area | 2.78 Ft ² | Adhesive Type | N/A |
| Manufacturer | ElectroDust | | | | | | | | | | | | | | | | | | |
| Filter Model | E Model (Thin) | | | | | | | | | | | | | | | | | | |
| Part Number | E2020-1 | | | | | | | | | | | | | | | | | | |
| Generic Filter Type | ElectroStatic | | | | | | | | | | | | | | | | | | |
| Nominal Dimensions (H x W x D) | 20" x 20" x 1" | | | | | | | | | | | | | | | | | | |
| Pocket / Pleat Quantity | N/A | | | | | | | | | | | | | | | | | | |
| Media Type | Woven Polymer / Non Woven Synthetic | | | | | | | | | | | | | | | | | | |
| Est. Gross Media Area | 2.78 Ft ² | | | | | | | | | | | | | | | | | | |
| Adhesive Type | N/A | | | | | | | | | | | | | | | | | | |
|  |  | | | | | | | | | | | | | | | | | | |
| <p>Test Conditions</p> <table style="width: 100%;"> <tr> <td style="width: 33%;">Loading Dust Type</td> <td style="width: 33%;">NA</td> <td style="width: 33%;">Test Air Temp (degrees F.)</td> <td style="width: 15%;">65</td> </tr> <tr> <td>Barometric Pressure (In. Hg.)</td> <td>29.80</td> <td>Relative Humidity (%)</td> <td>47</td> </tr> </table> | | Loading Dust Type | NA | Test Air Temp (degrees F.) | 65 | Barometric Pressure (In. Hg.) | 29.80 | Relative Humidity (%) | 47 | | | | | | | | | | |
| Loading Dust Type | NA | Test Air Temp (degrees F.) | 65 | | | | | | | | | | | | | | | | |
| Barometric Pressure (In. Hg.) | 29.80 | Relative Humidity (%) | 47 | | | | | | | | | | | | | | | | |
| <p>Test Results</p> <table style="width: 100%;"> <tr> <td style="width: 70%;">Airflow Rate (CFM)</td> <td style="text-align: right;">819</td> </tr> <tr> <td>Nominal Face Velocity (fpm)</td> <td style="text-align: right;">295</td> </tr> <tr> <td>Initial Resistance (in WG)</td> <td style="text-align: right;">0.20</td> </tr> <tr> <td>E1 (%) Initial Efficiency 0.30 - 1.0 um</td> <td style="text-align: right;">4</td> </tr> <tr> <td>E2 (%) Initial Efficiency 1.0 - 3.0 um</td> <td style="text-align: right;">33</td> </tr> <tr> <td>E3 (%) Initial Efficiency 3.0 - 10.0 um</td> <td style="text-align: right;">54</td> </tr> <tr> <td>Estimated * Minimum Efficiency Reporting Value (MERV)</td> <td style="text-align: right;">MERV 7 @ 819 CFM</td> </tr> <tr> <td colspan="2">* If initial data is minimum</td> </tr> </table> | | Airflow Rate (CFM) | 819 | Nominal Face Velocity (fpm) | 295 | Initial Resistance (in WG) | 0.20 | E1 (%) Initial Efficiency 0.30 - 1.0 um | 4 | E2 (%) Initial Efficiency 1.0 - 3.0 um | 33 | E3 (%) Initial Efficiency 3.0 - 10.0 um | 54 | Estimated * Minimum Efficiency Reporting Value (MERV) | MERV 7 @ 819 CFM | * If initial data is minimum | | | |
| Airflow Rate (CFM) | 819 | | | | | | | | | | | | | | | | | | |
| Nominal Face Velocity (fpm) | 295 | | | | | | | | | | | | | | | | | | |
| Initial Resistance (in WG) | 0.20 | | | | | | | | | | | | | | | | | | |
| E1 (%) Initial Efficiency 0.30 - 1.0 um | 4 | | | | | | | | | | | | | | | | | | |
| E2 (%) Initial Efficiency 1.0 - 3.0 um | 33 | | | | | | | | | | | | | | | | | | |
| E3 (%) Initial Efficiency 3.0 - 10.0 um | 54 | | | | | | | | | | | | | | | | | | |
| Estimated * Minimum Efficiency Reporting Value (MERV) | MERV 7 @ 819 CFM | | | | | | | | | | | | | | | | | | |
| * If initial data is minimum | | | | | | | | | | | | | | | | | | | |
| <p>Comments Tested For: ElectroDust</p> <div style="text-align: right;">  </div> | | | | | | | | | | | | | | | | | | | |
| <p>Test Performed by: TS</p> | <p>Approved By: </p> | | | | | | | | | | | | | | | | | | |

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, _____ 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. 17-157-1Rev2
Date: 15-Mar-17



Test No. 17-157-1Rev2
Date: 15-Mar-17

Data - Initial Resistance

| Airflow (CFM) | Resistance (in WG) |
|---------------|--------------------|
| 0 | 0.00 |
| 205 | 0.03 |
| 410 | 0.08 |
| 614 | 0.13 |
| 819 | 0.20 |
| 1024 | 0.28 |

Data - Particle Removal Efficiency

| Particle Size Range (um) | Geometric Mean Diam (um) | Initial Particle Removal Efficiency (%) |
|--------------------------|--------------------------|---|
| 0.30 - 0.40 | 0.35 | 0.0 |
| 0.40 - 0.55 | 0.47 | 1.4 |
| 0.55 - 0.70 | 0.62 | 4.4 |
| 0.70 - 1.00 | 0.84 | 10.1 |
| 1.00 - 1.30 | 1.14 | 19.0 |
| 1.30 - 1.60 | 1.44 | 25.6 |
| 1.60 - 2.20 | 1.88 | 36.3 |
| 2.20 - 3.00 | 2.57 | 51.3 |
| 3.00 - 4.00 | 3.46 | 57.6 |
| 4.00 - 5.50 | 4.69 | 55.9 |
| 5.50 - 7.00 | 6.20 | 52.2 |
| 7.00 - 10.00 | 8.37 | 48.8 |