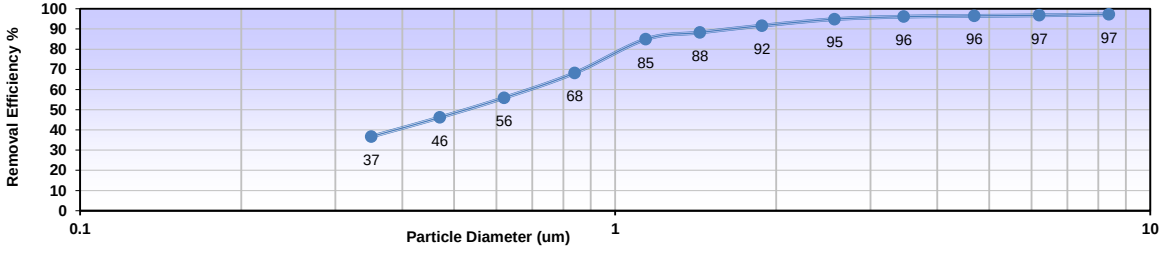


|                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                            |                                                                                                                                                                                             |                                                                                                                                                                   |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
|  <p><b>Blue Heaven Technologies</b><br/>2820 S. English Station Road - Louisville, KY 40299</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  <p><b>ACCREDITED</b><br/>CERTIFICATE #6298.01<br/>ISO/IEC 17025:2017</p> |                                                                                                                                                                                             | <p><b>TEST NO. 25-212-1</b></p> <p><b>ISO 16890-2 :2016 Air Filter Test Result Summary</b><br/><b>Section 2</b></p> <p style="text-align: right;">page 1 of 2</p> |  |  |
| <b>Counter Information</b>                                                                                                                                                       | Manufacturer <u>TSI, Inc.</u><br>Model No. <u>3330</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                            | <b>Test Conditions</b>                                                                                                                                                                      |                                                                                                                                                                   |  |  |
|                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                            |                                                                                                                                                                                             |                                                                                                                                                                   |  |  |
|                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                            | Test Flow Rate (CFM) <u>294</u><br>Test Aerosol <u>Aerosolized KCl &amp; DEHS</u><br>Temperature (Deg F) <u>67.0</u><br>Relative Humidity (%) <u>47.0</u><br>Barometer (in Hg) <u>29.61</u> |                                                                                                                                                                   |  |  |
| <b>Device Tested</b>                                                                                                                                                             | Manufacturer <u>Filter Giganten</u><br>Model <u>Erstatningsfilter til Uni 3 Filtersett</u><br>Part Number <u>NA</u><br>Dimensions <u>16 3/8" x 7 1/2" x 1 1/4"</u><br>Type of Media <u>Synthetic</u><br>Media Area <u>0.85ft²</u><br>Construction <u>NA</u><br>Filter/Media Electrostatic Charge <u>NA</u><br>Media Color <u>White</u><br>Media Adhesive <u>NA</u><br>Sample Procurement <u>Filter Giganten</u><br>Initial Weight (g) <u>180.2</u><br>Final Device Weight (g) <u>180.2</u><br>Initial Pressure Drop ("w.c.) <u>0.51</u> |                                                                                                                                                            |                                                                                                                                                                                             |                                                                                 |  |  |
|                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                            |                                                                                                                                                                                             |                                                                                                                                                                   |  |  |
|                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                            |                                                                                                                                                                                             |                                                                                                                                                                   |  |  |
|                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                            |                                                                                                                                                                                             |                                                                                                                                                                   |  |  |
|                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                            |                                                                                                                                                                                             |                                                                                                                                                                   |  |  |
|                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                            |                                                                                                                                                                                             |                                                                                                                                                                   |  |  |
|                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                            |                                                                                                                                                                                             |                                                                                                                                                                   |  |  |
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|                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                            |                                                                                                                                                                                             |                                                                                                                                                                   |  |  |
|                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                            |                                                                                                                                                                                             |                                                                                                                                                                   |  |  |
|                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                            |                                                                                                                                                                                             |                                                                                                                                                                   |  |  |
|                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                            |                                                                                                                                                                                             |                                                                                                                                                                   |  |  |

**Initial Particle Size Removal Efficiency**



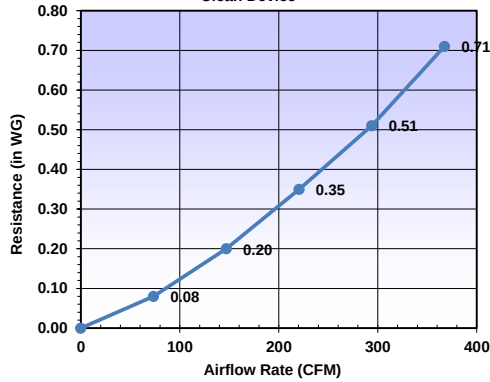
| Particle Diameter (um) | Removal Efficiency (%) |
|------------------------|------------------------|
| 0.1                    | 37                     |
| 0.3                    | 46                     |
| 0.5                    | 56                     |
| 0.7                    | 68                     |
| 1.0                    | 85                     |
| 1.5                    | 88                     |
| 2.0                    | 92                     |
| 3.0                    | 95                     |
| 4.0                    | 96                     |
| 5.0                    | 96                     |
| 7.0                    | 97                     |
| 10.0                   | 97                     |

**DEHS Size 0.3 - 1.0 and KCL Size 1.0 - 10.0**

| Range (um) | Geo. Mean | Initial Efficiency (%) | Upstream Number of Particles |
|------------|-----------|------------------------|------------------------------|
| 0.3-0.4    | 0.35      | 37                     | 196805                       |
| 0.4-0.55   | 0.47      | 46                     | 150359                       |
| 0.55-0.7   | 0.62      | 56                     | 90537                        |
| 0.7-1.0    | 0.84      | 68                     | 112140                       |
| 1.0-1.3    | 1.14      | 85                     | 19128                        |
| 1.3-1.6    | 1.44      | 88                     | 15872                        |
| 1.6-2.0    | 1.88      | 92                     | 29067                        |
| 2.0-3.0    | 2.57      | 95                     | 16102                        |
| 3.0-4.0    | 3.46      | 96                     | 6396                         |
| 4.0-5.5    | 4.69      | 96                     | 2735                         |
| 5.5-7.0    | 6.20      | 97                     | 665                          |
| 7.0-10.0   | 8.37      | 97                     | 389                          |

**Air Flow vs Resistance Clean Device**



| Airflow Rate (CFM) | Resistance (in WG) |
|--------------------|--------------------|
| 0                  | 0.00               |
| 74                 | 0.08               |
| 147                | 0.20               |
| 221                | 0.35               |
| 294                | 0.51               |
| 368                | 0.71               |

| %   | Airflow (CFM) | Resistance (in WG) |
|-----|---------------|--------------------|
| 0   | 0             | 0.00               |
| 25  | 74            | 0.08               |
| 50  | 147           | 0.20               |
| 75  | 221           | 0.35               |
| 100 | 294           | 0.51               |
| 125 | 368           | 0.71               |

|                 |                                                                    |  |  |
|-----------------|--------------------------------------------------------------------|--|--|
| <b>Comments</b> | Tested For: <u>Filter Giganten</u><br>Device Condition: <u>New</u> |  |  |
|                 |                                                                    |  |  |



## TEST REPORT NOTES PAGE



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Louisville, KY. 40299

Phone: 502.357.0132

Website: [www.blueheaventech.com](http://www.blueheaventech.com)

Date:

3/27/2025

Report Number:

25-212-1

Equipment Used/  
Serial Numbers:

|                 |           |  |
|-----------------|-----------|--|
| Duct            | VD1       |  |
| OPD             | 215       |  |
| Filter Pressure | 170829305 |  |
| Orifice         | 1b-4a     |  |
|                 |           |  |
|                 |           |  |
|                 |           |  |
|                 |           |  |

Authorized by:

**Bobby Singer**

President, Blue Heaven Technologies

Performed by:

**Tom Singer**

Title:

CAFS, Blue Heaven Technologies

*The test results attached relate only to the items tested.*

*This data is provided for the exclusive use of the test requestor.*

*This test report shall not be reproduced except in full without the approval of Blue Heaven*

***Decision Rule:** Regardless Of Uncertainty, Blue Heaven Technologies Will Report A Statement of*

***Note:** If Blue Heaven Technologies is reporting test data to a Standard and the test result is*