



2820 S. English Station Road - Louisville, KY 40299

TEST NO. 18-164-2

# Test Report - Vertical Test Duct

Airflow vs. Initial Resistance and Particle Migration Test

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<b>Notes</b>	<p>Media was loaded for 120 minutes at a concentration of 75 mg/m<sup>3</sup>. A Palas Promo 3000 Particulate Counter was used to count the number of particles downstream from the sample. A 2300 sensor was used to quantify the number of particles 0.6 - 40 µm to penetrate the diffusion media. A vibrating plate was used at 15 PSI to vibrate the sample to simulate use in actual conditions. F400 Aluminum Oxide was used for testing. F400 dust has a mean size of 16.7 µm and 95% of its mass in the size range 9 - 30 µm.</p>																																									
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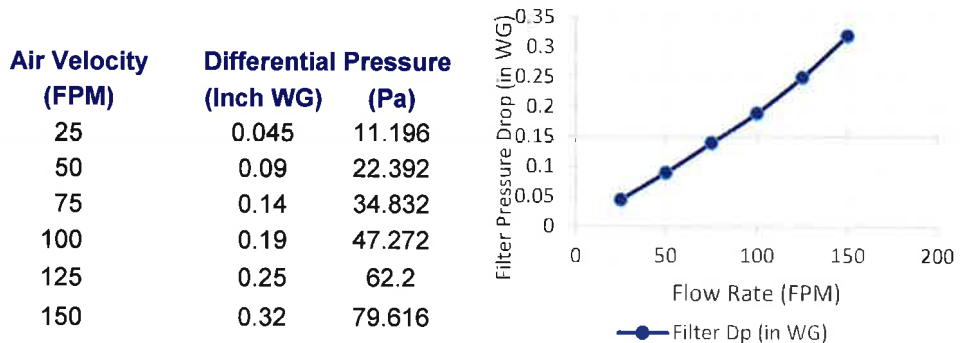
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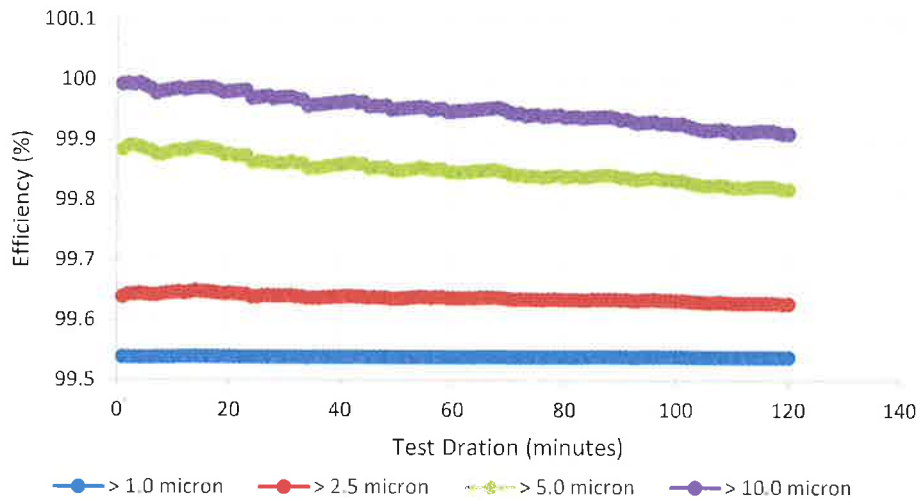
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## Resistance vs. Airflow



## Efficiency over Entire Test Period

Efficiency Based on Mass Concentrations	Avg. Downstream Concentration (mg/m <sup>3</sup> )	Efficiency (%)
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