

LMS TECHNOLOGIES, INC.
6423 Cecilia Circle
Bloomington, MN 55439
(612) 918-9060, Fax: (612) 918-9061

Test Report-ASHRAE Test Standard 52.1

Test Requested By:	<u>Pneumafil Corp.</u>	Report #: 422 Test Date: 7/25/2007
Manufacturer:	<u>Beacon Filtration/Menardi</u>	
Product Name:	<u>Cylindrical/Conical Cartridge Set with membrane/100% syn. Media</u>	
Model Number:	<u>S52381C1/S52382C1/A44428C1/A44429C1</u>	
Dimensions:	<u>12 3/4" X 26" Cylinder & 17 1/2" X26" Conical</u>	
Number of Pleats:	<u>Minipleat</u>	
Filter Description:	<u>Cyl. & Cone Cart. Set with membrane/100% synthetic media</u>	
How Filter Obtained:	<u>Provided by manufacturer</u>	

Test Results

Test Air Flow Rate(CFM)/Velocity (FPM)	<u>1533 cfm</u>
Initial Resistance (in. WG)	<u>0.713</u>
Final Resistance (in. WG)	<u>4.0</u>
Initial Atmospheric Dust Spot Efficiency	<u>91.7</u>
Average Atmospheric Dust Spot Efficiency	<u>99.7</u>
Average SAE Dust Weight Arrestance	<u>99.9</u>
SAE Dust Holding Capacity	<u>8080 grams</u>
Dust Feed Rate	<u>2 grams / 1000cfm</u>

Test Conditions

Temp & Humidity:	<u>70 @ 44%</u>
Test Dust:	<u>SAE Fine</u>

Test Engineer:	<u>Mick Flom,Pat Best, Emile Tadros, Kian Imani</u>
Approved By:	<u>K. C. Kwok, Ph.D.</u>

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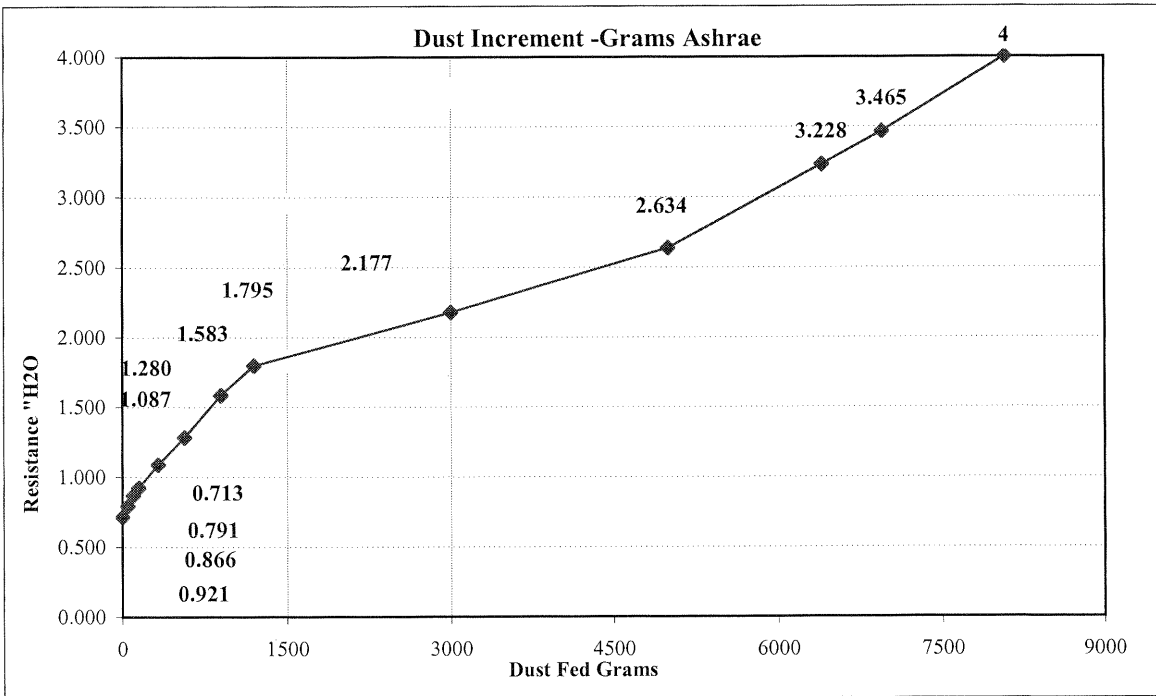
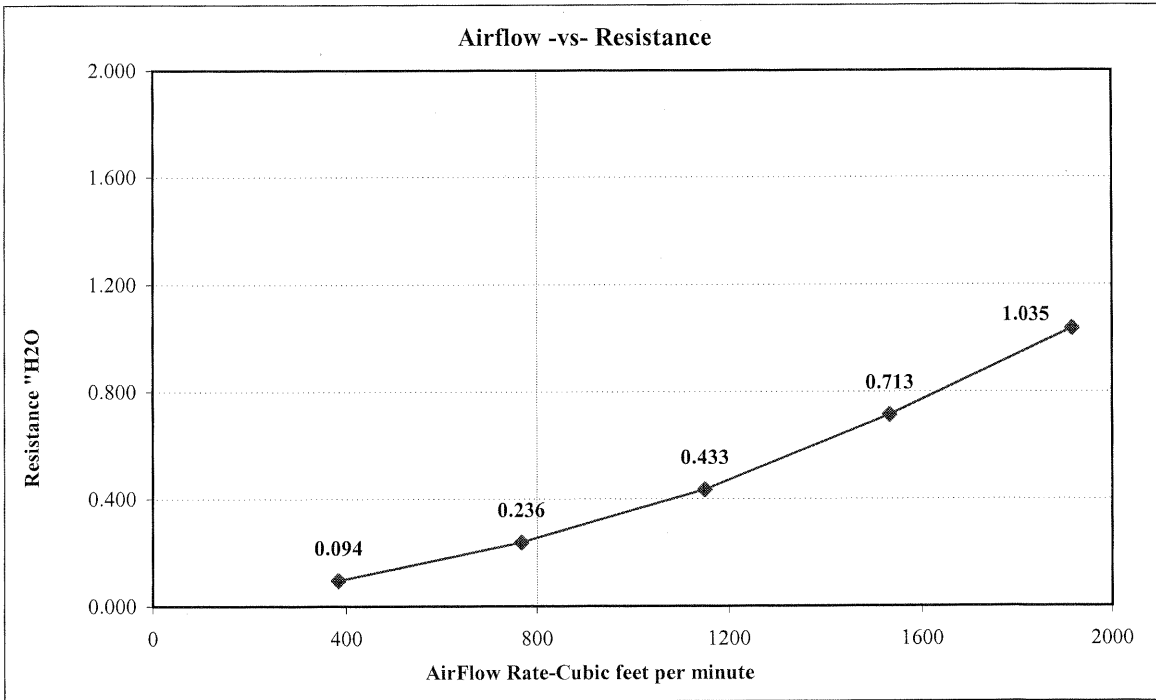
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Clean Device



Test Engineer;

Mick Flom

Approved By:

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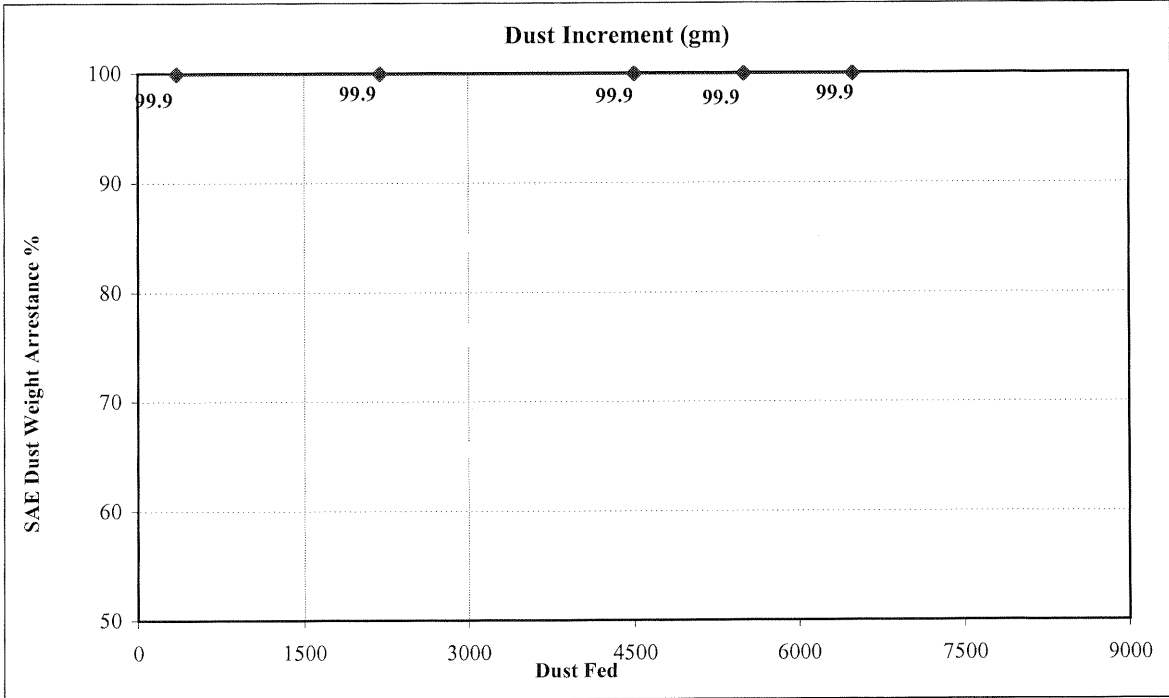
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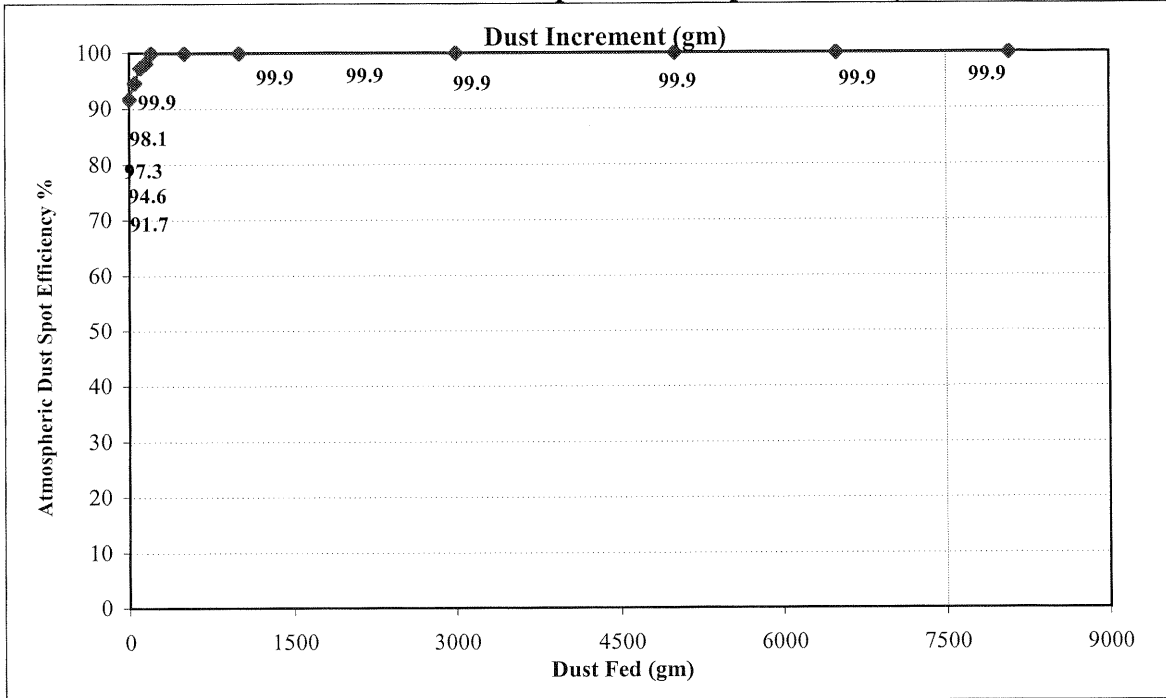
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Dust fed -vs- Arrestance



Dust Fed -vs- Atmospheric dust spot efficiency



Test Engineer:

Mick Flom

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