

LMS TECHNOLOGIES, INC.
6423 Cecilia Circle
Bloomington, MN 55439
(952) 918-9060, Fax: (952) 918-9061

Test Report-ASHRAE Test Standard 52.1

Report #: 217
Test Date: 01/09/13

Test Requested By: MANUFACTURER

Model Number: MERV 8

Dimensions: 24x24x4

Number of pleats: 19 pleats

Filter Description: White synthetic deep pleat filter

Test Results

| | |
|--|--------------------------|
| Test Air Flow Rate(CFM)/Velocity (FPM) | <u>2000 cfm/ 500 fpm</u> |
| Initial Resistance (in. WG) | <u>0.231</u> |
| Final Resistance (in. WG) | <u>1.0</u> |
| Initial Atmospheric Dust Spot Efficiency | <u>35.2</u> |
| Average Atmospheric Dust Spot Efficiency | <u>38.7</u> |
| Average Synthetic Dust Weight Arrestance | <u>93</u> |
| Ashrae Dust Holding Capacity | <u>145.1 grams</u> |
| Dust Feed Rate | <u>2 grams/ 1000cfm</u> |

Test Conditions

Temp & Humidity: 70 @ 34%

Test Dust: ASHRAE 52.1 Dust

Test Technician: Mick Flom

Approved By: K. C. Kwok, Ph.D.

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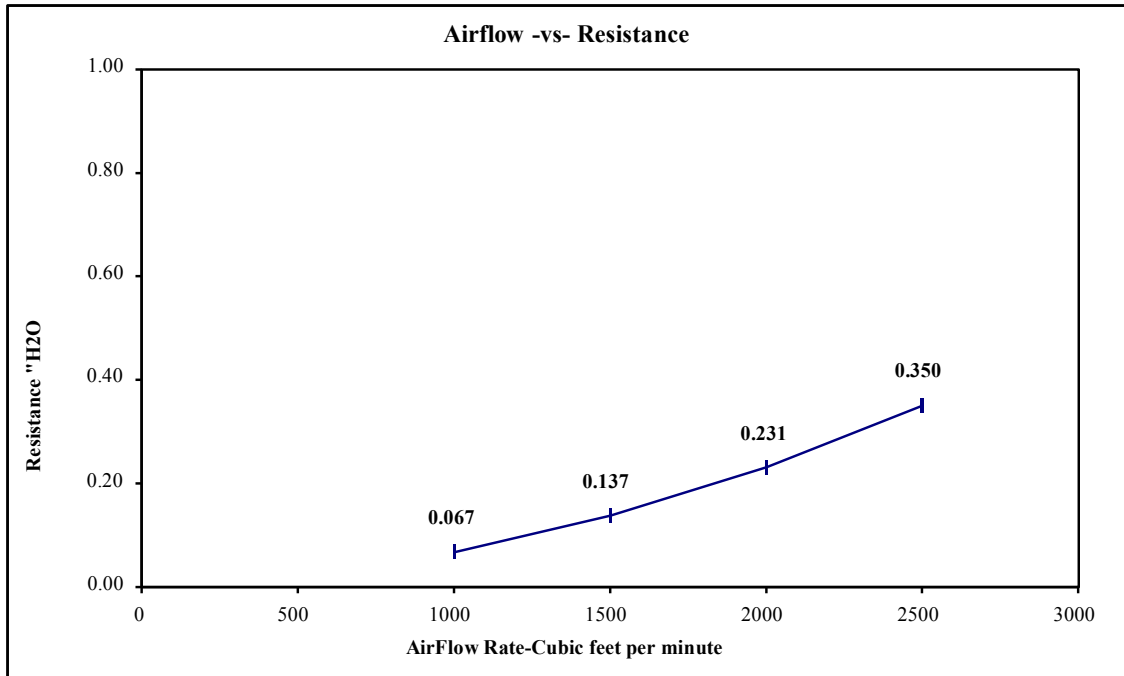
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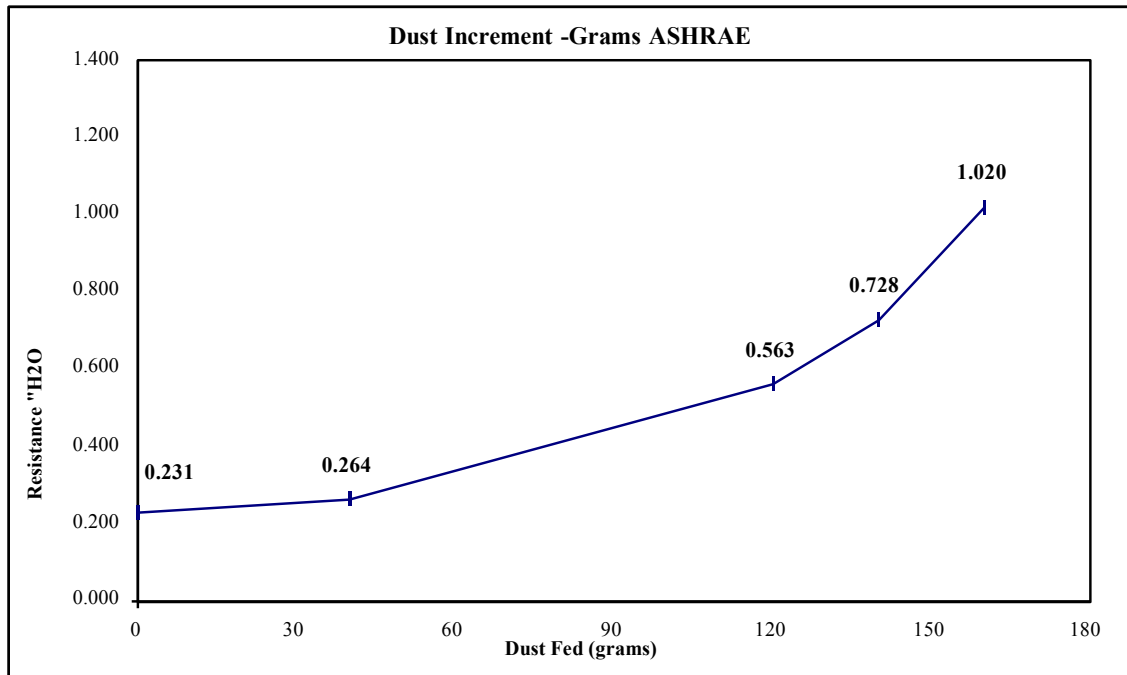
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Clean Device



Dust fed -vs- Resistance



Test Tehnician: Mick Flom
Approved By: K.C. Kwok, Ph.D

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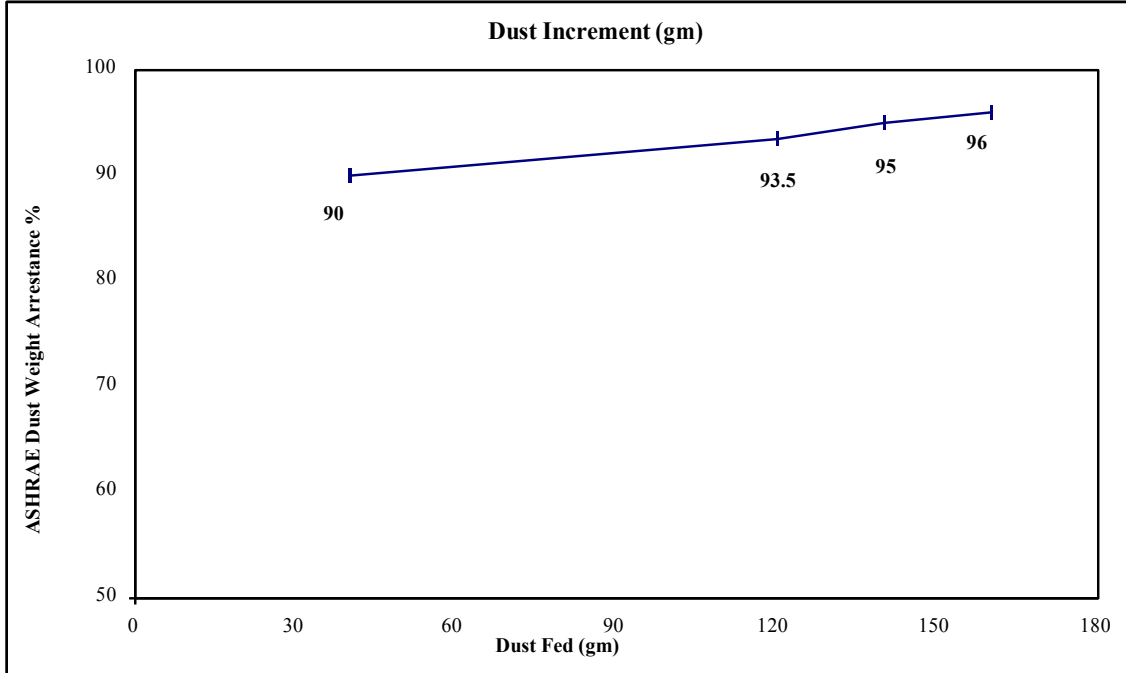
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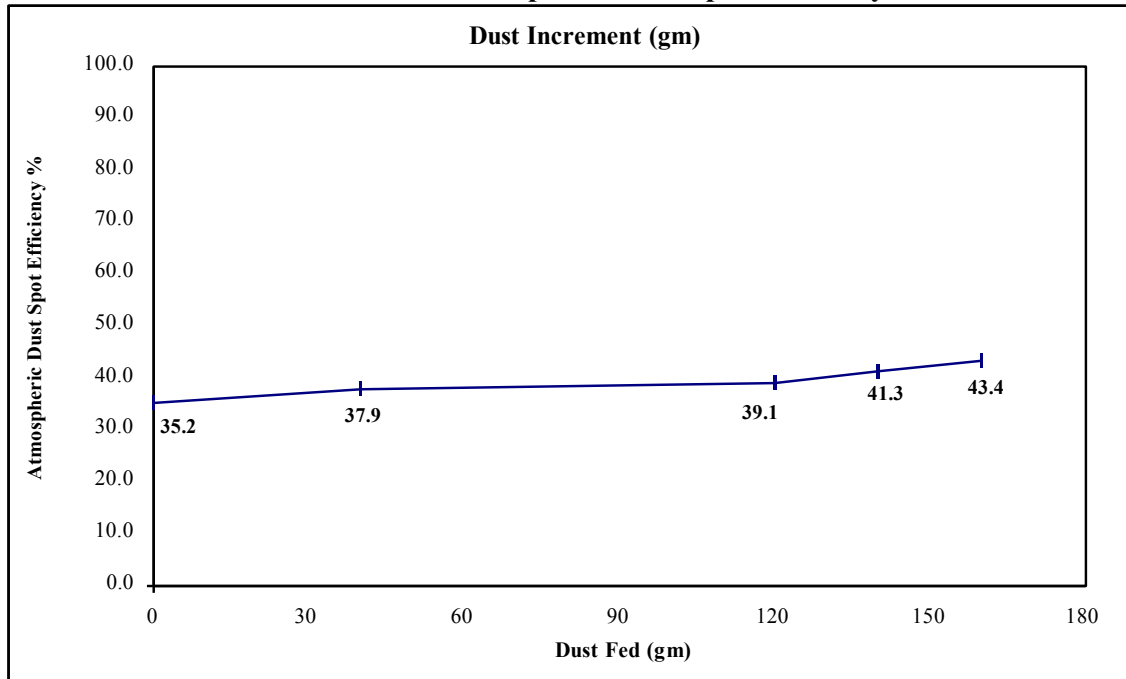
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Dust fed -vs- Arrestance



Dust Fed -vs- Atmospheric Dust Spot Efficiency



Test Technician:

Mick Flom

Approved By:

K. C. Kwok, Ph.D