

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

**Test Report-ASHRAE Test Standard 52.1**

Report #: **214**  
Test Date: **01/09/16**

Test Requested By: Manufacturer

Model Number: MERV 8

Dimensions: 24x24x1 Inches

Number of pleats: 28 pleats

Filter Description: White synthetic pleat filter

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**Test Results**

|  |                          |
|--|--------------------------|
| Test Air Flow Rate(CFM)/Velocity (FPM)   | <u>1200 cfm/ 300 fpm</u> |
| Initial Resistance (in. WG)              | <u>0.172</u>             |
| Final Resistance (in. WG)                | <u>1.0</u>               |
| Initial Atmospheric Dust Spot Efficiency | <u>30</u>                |
| Average Atmospheric Dust Spot Efficiency | <u>45.6</u>              |
| Average Synthetic Dust Weight Arrestance | <u>89</u>                |
| Ashrae Dust Holding Capacity             | <u>64.1 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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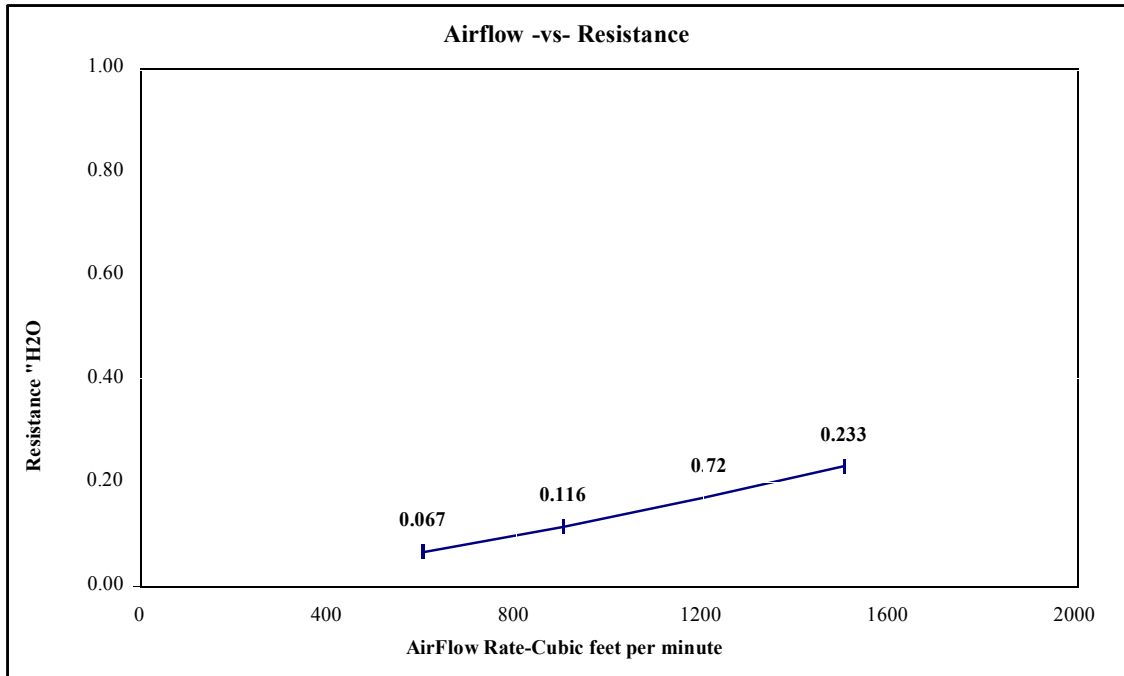
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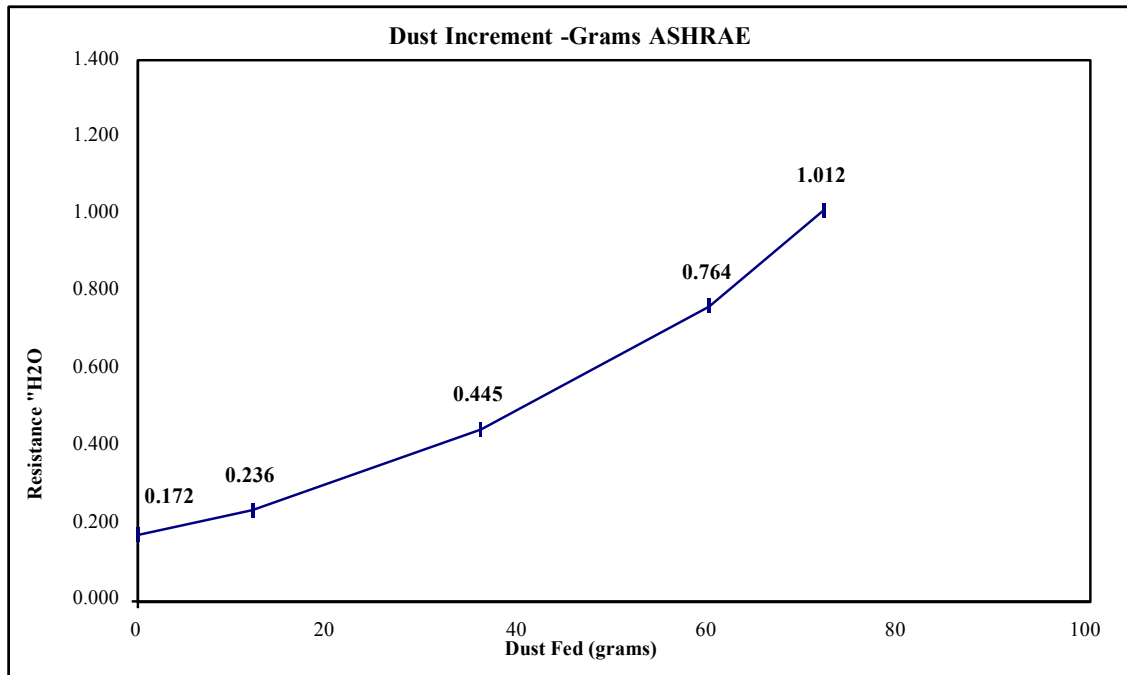
Test Report-ASHRAE Test Standard 52.1

Sheet #: 2

**Clean Device**



**Dust fed -vs- Resistance**



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

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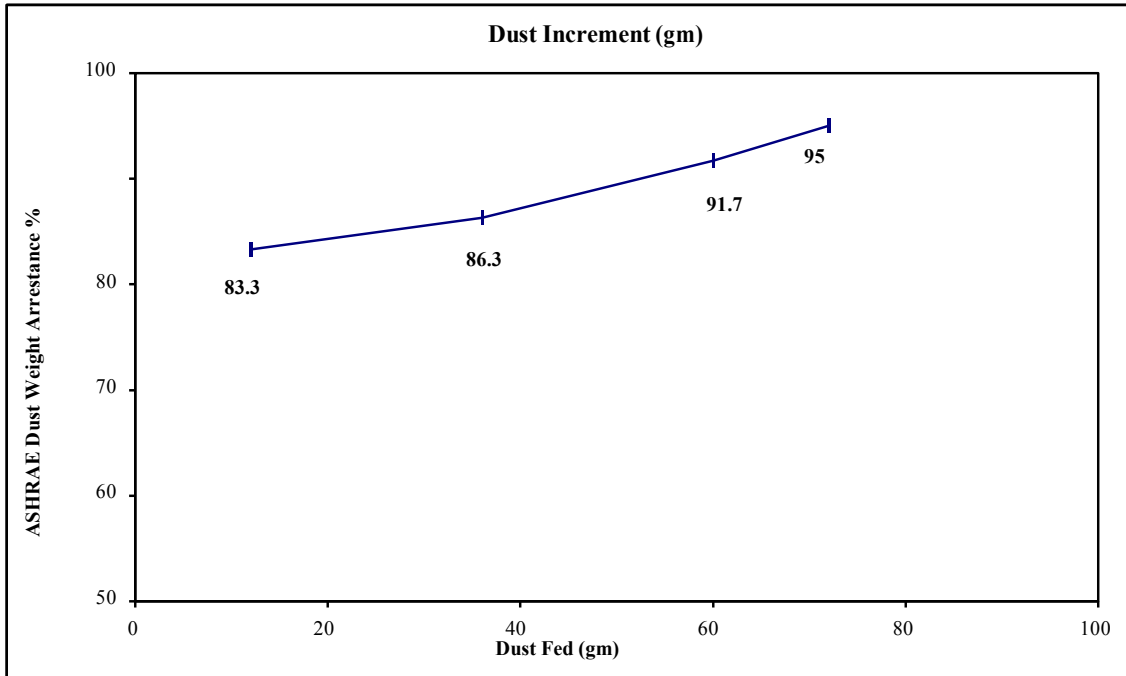
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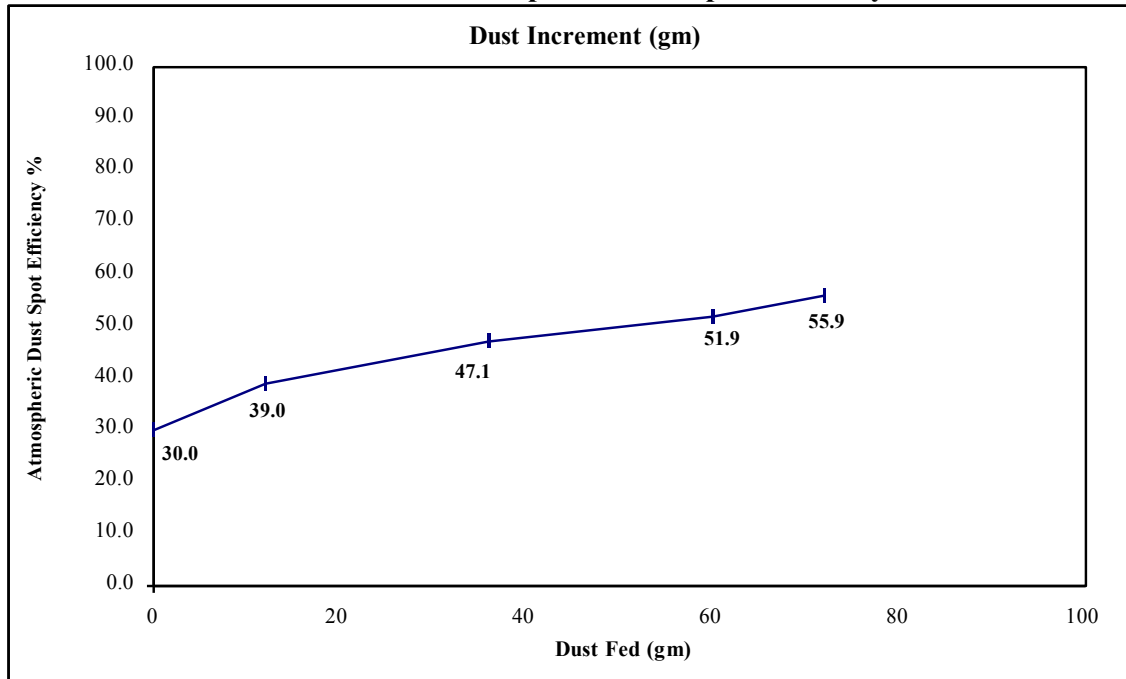
Test Report-ASHRAE Test Standard 52.1

Sheet #: 3

**Dust fed -vs- Arrestance**



**Dust Fed -vs- Atmospheric Dust Spot Efficiency**



Test Technician:

Mick Flom

Approved By:

K. C. Kwok, Ph.D