



# AIR FILTER TESTING LABORATORIES, INC.

4632 Old LaGrange Road • Buckner, Kentucky 40010

Phone (502) 222-5720 • Fax (502) 222-9881

## ASHRAE STANDARD 52.1-1992 STATICALLY TESTED DEVICES

### DEVICE TESTED

**REPORT NO.**  
**13811**

**TEST NO.**  
1

**SHEET NO.**  
1

Test Requested By	MYER FILTER COMPANY
Manufacturer	MYER FILTER COMPANY
Test Sample Procurement	FURNISHED BY MANUFACTURER
Product Name	CYLINDRICAL AIR INTAKE FILTER
Model No.	38 0002
Dimensions	324 mm O.D. X 213 mm I.D. X 660 mm LG. (NOMINAL)
Product Description	

### TEST RESULTS - see attached performance curves

Test Airflow Rate	625	ft <sup>3</sup> /min (cfm)
Initial Resistance	0.56	in. w.g.
Final Resistance	4.00	in. w.g.
Initial Atmospheric Dust Spot Efficiency	32.9	%
Average Atmospheric Dust Spot Efficiency	96	%
Average SAE Fine Dust Weight Arrestance	100	%
SAE Fine Dust Holding Capacity	7093	g
Test Section Duct Size	432	mm O.D.
Test Dust	SAE FINE	
Test Dust Feed Rate	71.0	mg/m <sup>3</sup>

### PHYSICAL DESCRIPTION

Number Of Pleats	304	no. pleats
Face Dimension (Nom. O.D.)	324	mm O.D.
Face Dimension (Nom. I.D.)	213	mm I.D.
Face Dimension (Nom. Length)	660	mm LG.
Depth Dimension (Nom. Depth)	51	mm D
Media Area (Gross)	20.4	M <sup>2</sup>
Media Area (Net Effective)	19.2	M <sup>2</sup>
Inlet Open Area (IOA)	0.66	M <sup>2</sup>
Type Of Media	RESIN IMPREGNATED MIXTURE OF CELLULOSE & SYNTHETIC FIBRES	
Type And Amount Of Dust Adhesive	NONE	

**DATE**  
06-15-2009

**TEST SUPERVISOR**  
M.A.M.

**ENGINEERING**  
**APPROVAL**

*Kevin R. Singer, P.E.*





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## ASHRAE STANDARD 52.1-1992 - PERFORMANCE CURVES STATICALLY TESTED DEVICES

### PERFORMANCE CURVES

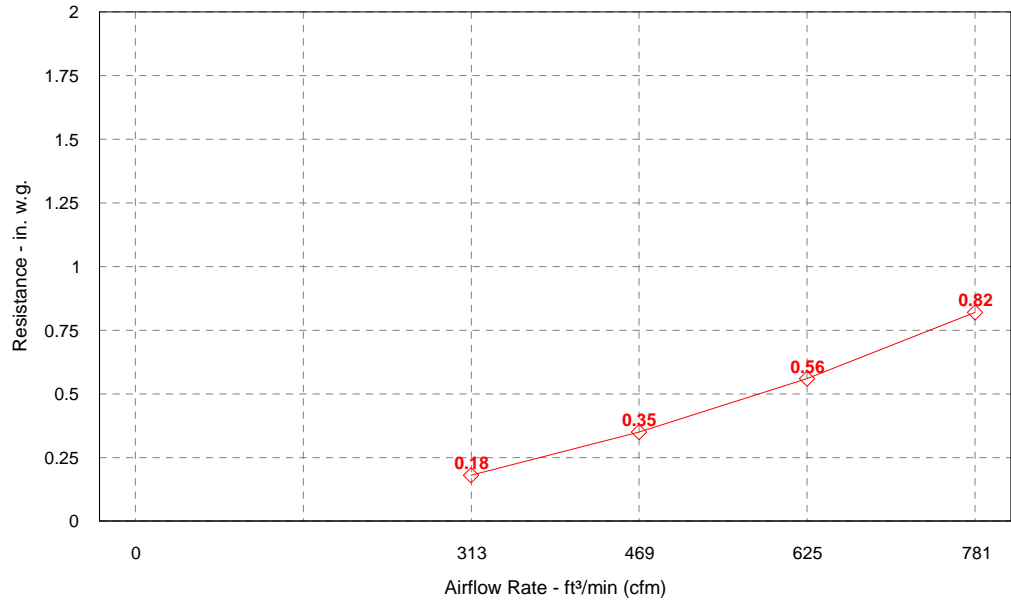
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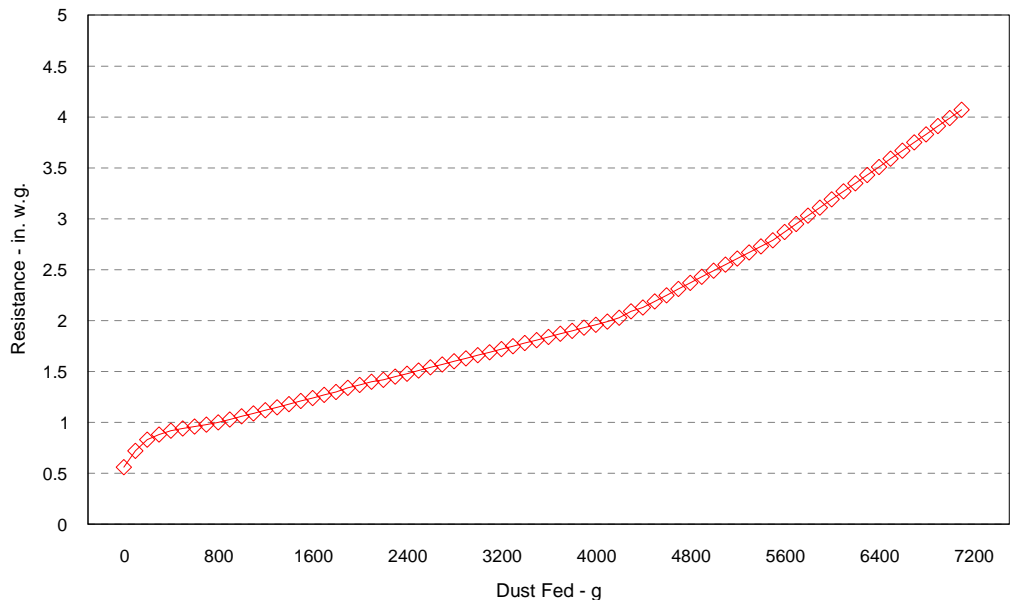
### CLEAN DEVICE

Airflow -vs- Initial Resistance



### DUST FED -vs- RESISTANCE

Dust Increment - 100 g SAE Fine



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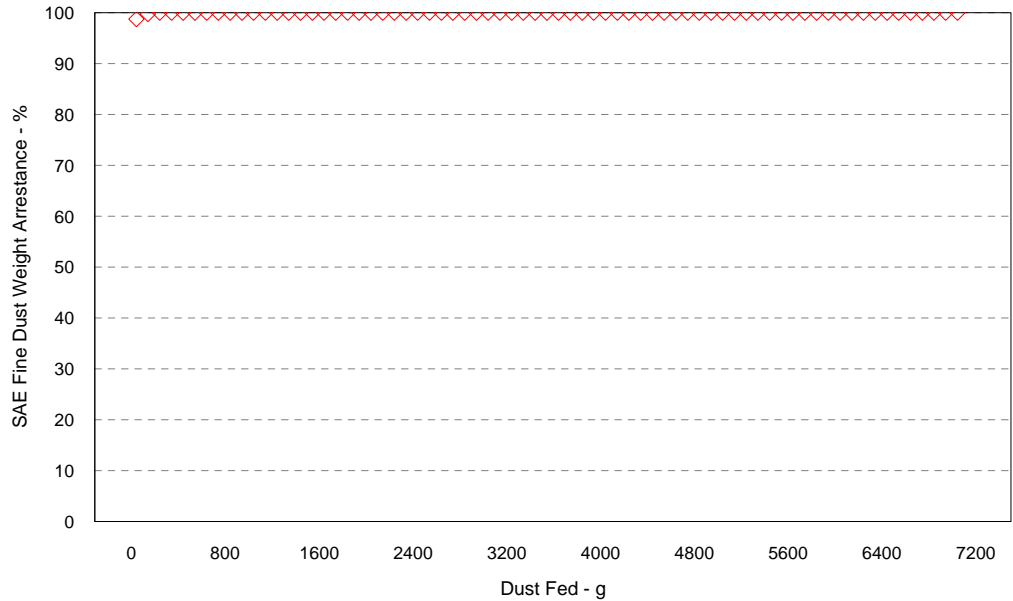
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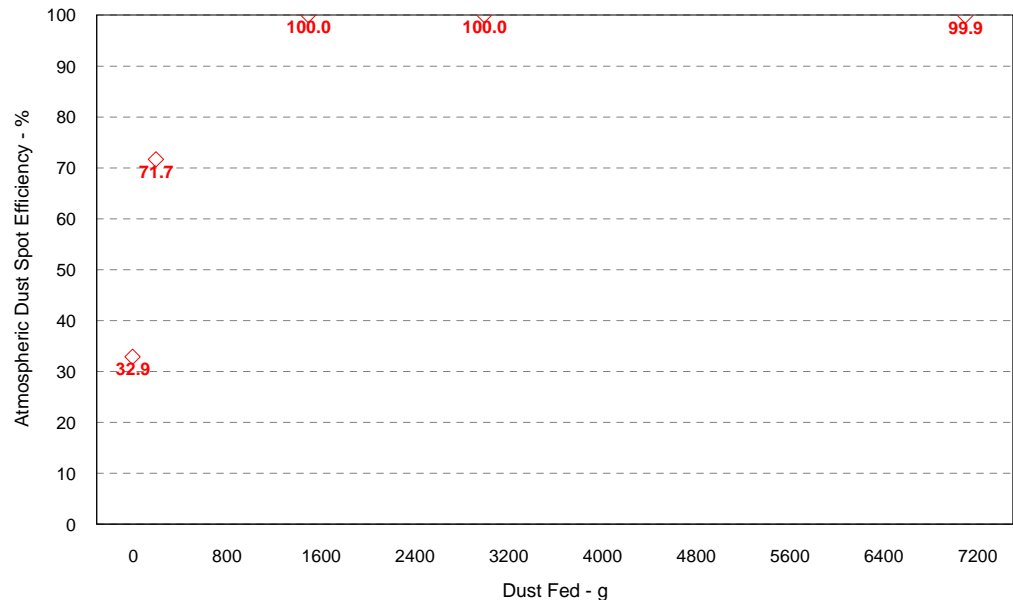
### DUST FED -vs- ARRESTANCE

Dust Increment - 100 g SAE Fine



### DUST FED -vs- ATMOS. DUST SPOT EFFICIENCY

Dust Increment - 100 g SAE Fine



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