



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

REPORT NO.
12313

TEST NO.
1

SHEET NO.
2

Dimensions 24 IN. H X 24 IN. W X 2 IN. D (NOMINAL)

Test Air Flow Rate	1200	ft ³ /min (cfm)
Initial Resistance	0.09	in. w.g.
Final Resistance	0.50	in. w.g.
Initial Atmospheric Dust Spot Efficiency	N/A	%
Average Atmospheric Dust Spot Efficiency	N/A	%
Average ASHRAE Dust Weight Arrestance	83	%
ASHRAE Dust Holding Capacity	203	g

Test Section Duct Size	24.0 x 24.0	in.
Test Dust	ASHRAE	
Test Dust Feed Rate	2.0	g/1000 ft ³

DATE
10-17-2001

TEST SUPERVISOR
R.A.S.

ENGINEERING
APPROVAL

Kevin R. Singer, P.E.

PHYSICAL DESCRIPTION

Face Dimension (Nom. Height)	24.00	in. H
Face Dimension (Nom. Width)	24.00	in. W
Depth Dimension (Nom. Depth)	2.00	in. D
Media Area (Gross)	4.0	ft ²
Media Area (Net Effective)	4.0	ft ²
Inlet Open Area (IOA)	4.00	ft ²
Type Of Media	GLASS FIBER	
Type And Amount Of Dust Adhesive	NONE	





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ASHRAE STANDARD 52.1-1992 - PERFORMANCE CURVES STATICALLY TESTED DEVICES

PERFORMANCE CURVES

REPORT NO.

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TEST NO.

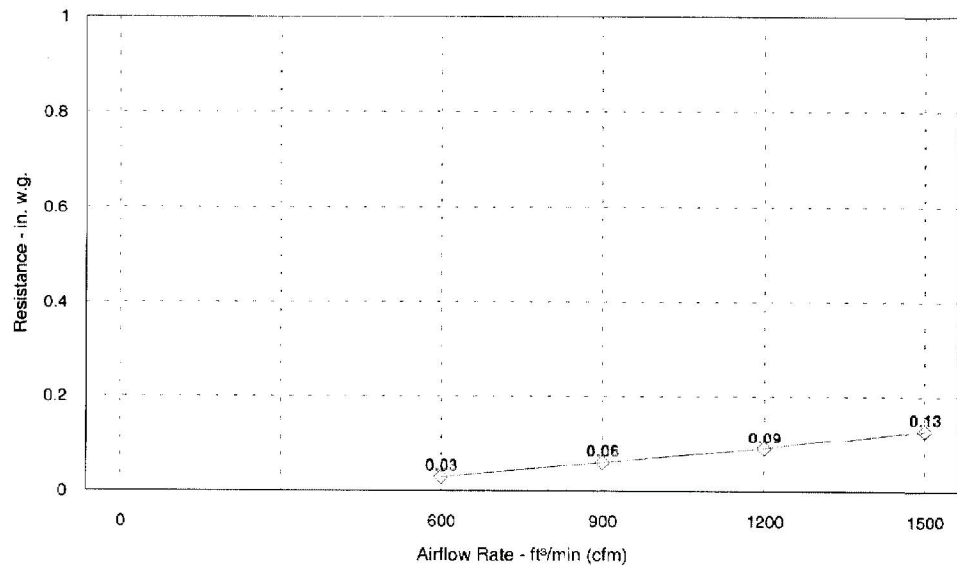
1

SHEET NO.

3

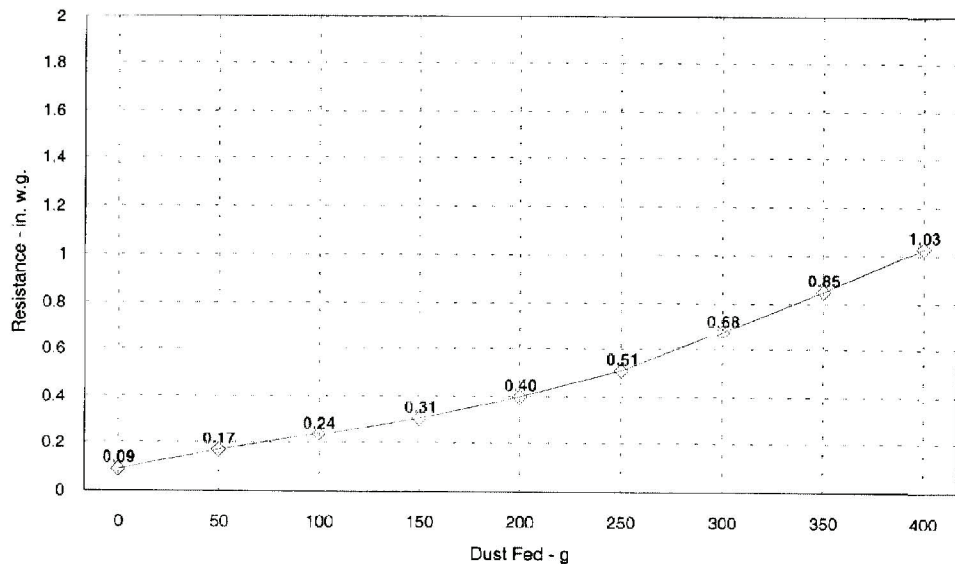
CLEAN DEVICE

Airflow -vs- Initial Resistance



DUST FED -vs- RESISTANCE

Dust Increment - 50 g ASHRAE



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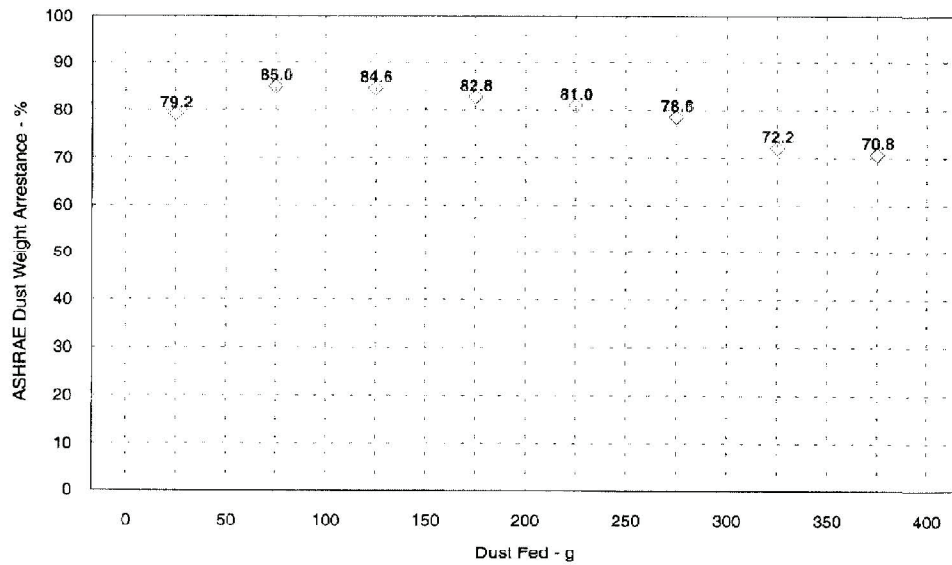
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ASHRAE STANDARD 52.1-1992 - PERFORMANCE CURVES STATICALLY TESTED DEVICES

PERFORMANCE CURVES

DUST FED -vs- ARRESTANCE

Dust Increment - 50 g ASHRAE



REPORT NO.

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TEST NO.

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SHEET NO.

4

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