



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

Dimensions 20 IN. H X 20 IN. W X 1 IN. D (NOMINAL)

REPORT NO.
12312

TEST NO.
1

SHEET NO.
2

TEST RESULTS (CONDUCTED AT/ON/IN)

Test Air Flow Rate	833	ft ³ /min (cfm)
Initial Resistance	0.07	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	74	%
ASHRAE Dust Holding Capacity	74	g

Test Section Duct Size	20.0 x 20.0	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.

Face Dimension (Nom. Height)	20.00	in. H
Face Dimension (Nom. Width)	20.00	in. W
Depth Dimension (Nom. Depth)	1.00	in. D
Media Area (Gross)	2.8	ft ²
Media Area (Net Effective)	2.8	ft ²
Inlet Open Area (IOA)	2.78	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

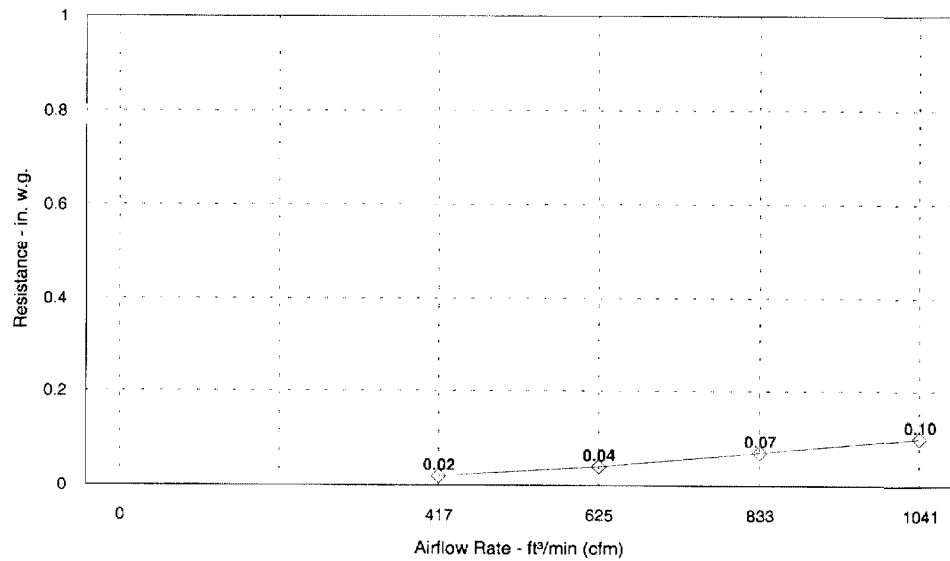
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CLEAN DEVICE

Airflow -vs- Initial Resistance



DATE
10-17-2001

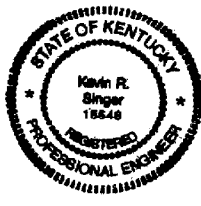
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DUST FED -vs- RESISTANCE

Dust Increment - 30 g ASHRAE





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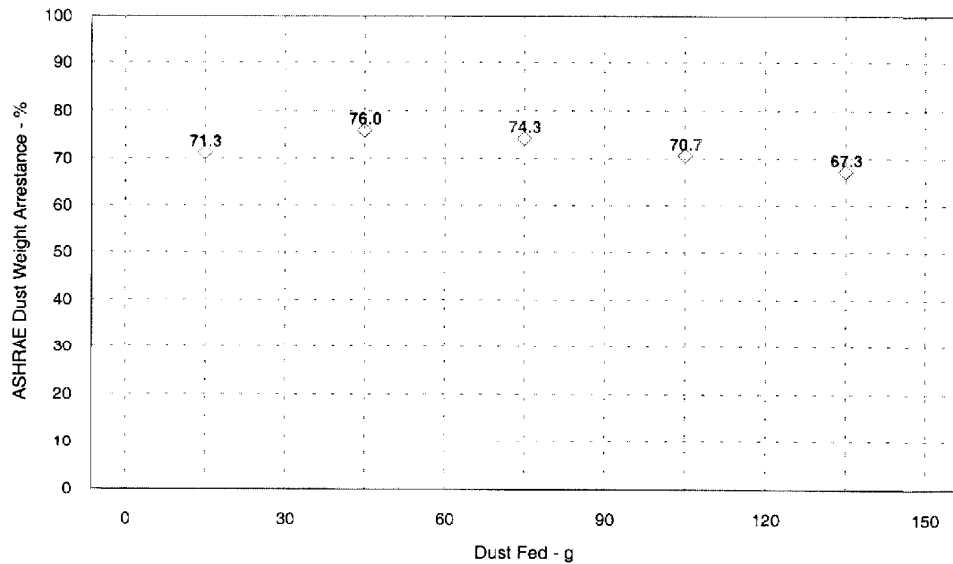
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ASHRAE STANDARD 52.1-1992 - PERFORMANCE CURVES STATICALLY TESTED DEVICES

PERFORMANCE CURVES

DUST FED -vs- ARRESTANCE

Dust Increment - 30 g ASHRAE



REPORT NO.
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TEST NO.
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SHEET NO.
4

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10-17-2001

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