



AIR FILTER TESTING LABORATORIES, INC.

4632 Old LaGrange Road • Crestwood, Kentucky 40014

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

ASHRAE STANDARD 52.1-1992 STATICALLY TESTED DEVICES

REPORT NO.

11591

TEST NO.

1

SHEET NO.

1

Test Requested By	PERMATRON CORP.
Manufacturer	HONEYWELL
Test Sample Procurement	FURNISHED BY PERMATRON CORP.
Product Name	ELECTRONIC AIR CLEANER
Model No.	TEST #1
Dimensions	20 IN. H X 25 IN. W X 6 IN. D (NOMINAL)
Product Description	MEDIA TYPE - EAC W/ 2 METAL MESH PREFILTER; 19.00" H X 11.50" W X 0.38" D

Test Airflow Rate	1200	ft ³ /min (cfm)
Initial Resistance	0.07	in. w.g.
Final Resistance	1.00	in. w.g.
Initial Atmospheric Dust Spot Efficiency	76.9	%
Average Atmospheric Dust Spot Efficiency	14	%
Average ASHRAE Dust Weight Arrestance	76	%
ASHRAE Dust Holding Capacity	251	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
02-02-2000

TEST SUPERVISOR
R.A.S.

**ENGINEERING
APPROVAL**

Face Dimension (Nom. Height)	20.00	in. H
Face Dimension (Nom. Width)	25.00	in. W
Depth Dimension (Nom. Depth)	6.00	in. D





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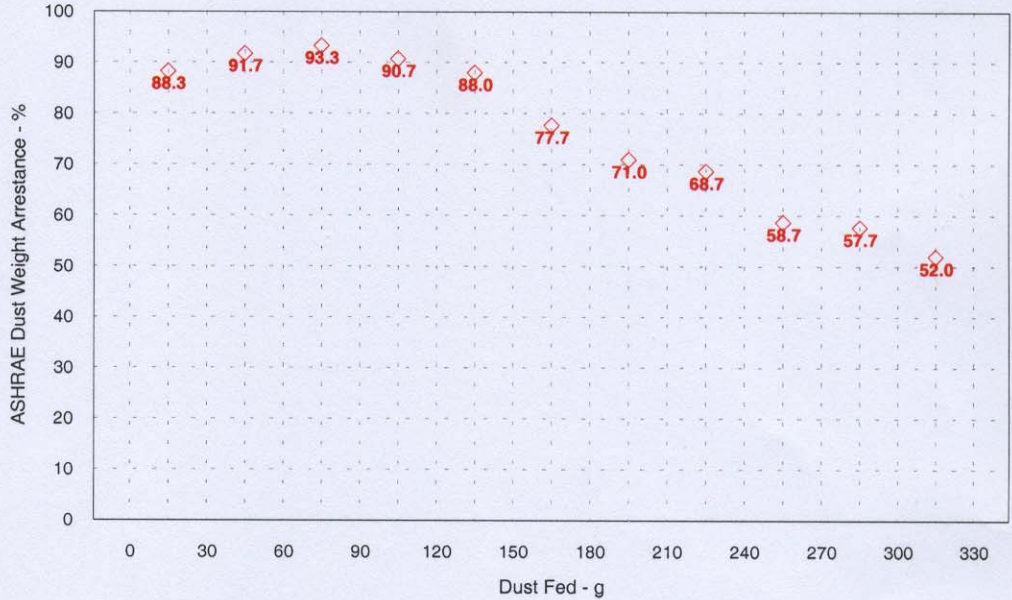
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ASHRAE STANDARD 52.1-1992 - PERFORMANCE CURVES STATICALLY TESTED DEVICES

PERFORMANCE CURVES

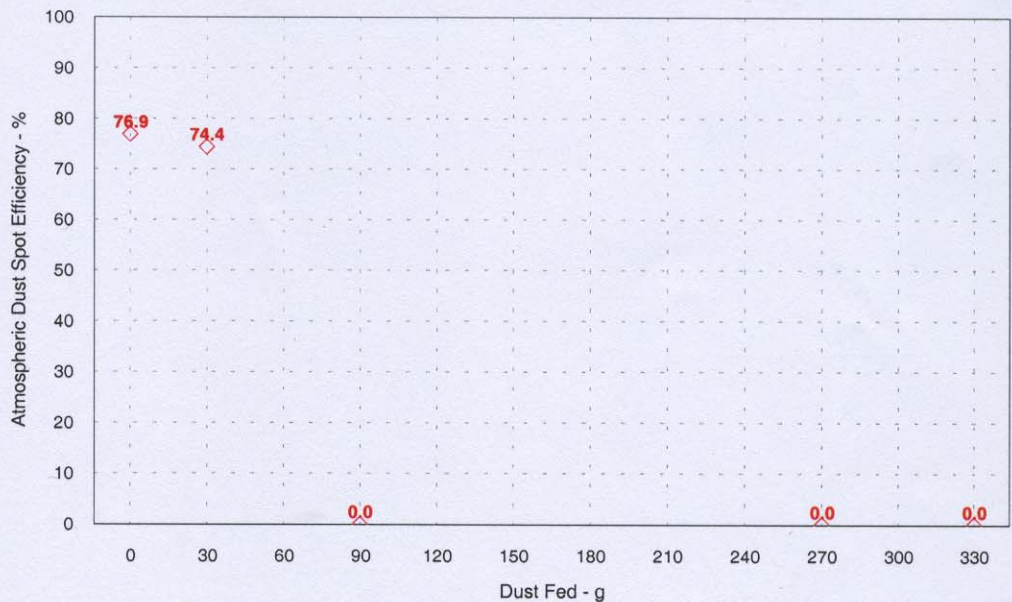
DUST FED -vs- ARRESTANCE

Dust Increment - 30 g ASHRAE



DUST FED -vs- ATMOS. DUST SPOT EFFICIENCY

Dust Increment - 30 g ASHRAE



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ENGINEERING
APPROVAL

Kevin R. Singer, P.E.





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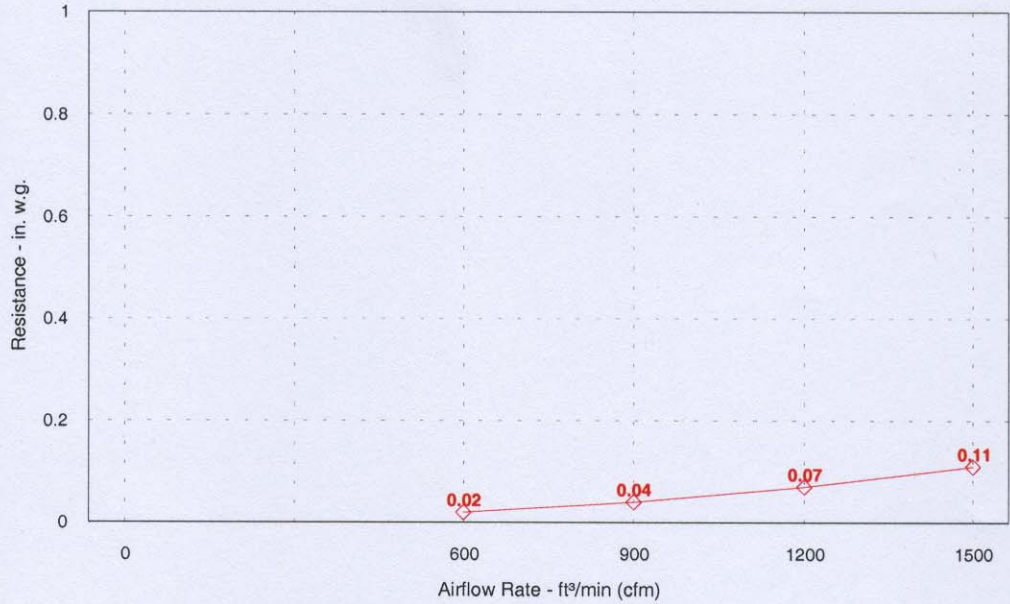
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ASHRAE STANDARD 52.1-1992 - PERFORMANCE CURVES STATICALLY TESTED DEVICES

PERFORMANCE CURVES

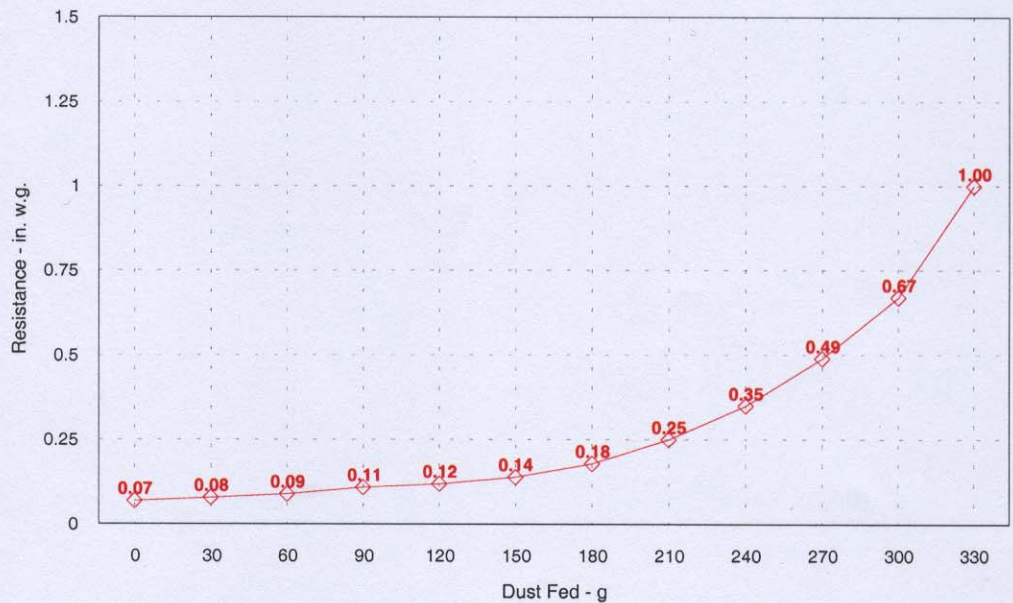
CLEAN DEVICE

Airflow -vs- Initial Resistance



DUST FED -vs- RESISTANCE

Dust Increment - 30 g ASHRAE



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