



# 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

### DEVICE TESTED

**REPORT NO.**  
**11592**

**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 #2
Dimensions	20 IN. H X 25 IN. W X 6 IN. D (NOMINAL)
Product Description	MEDIA TYPE - EAC W/ POLYPROPYLENE PREFILTER; 19.00" H X 24.00" W X 0.25" D

### TEST RESULTS - see attached performance curves

Test Airflow Rate	1200	ft <sup>3</sup> /min (cfm)
Initial Resistance	0.09	in. w.g.
Final Resistance	1.00	in. w.g.
Initial Atmospheric Dust Spot Efficiency	86.5	%
Average Atmospheric Dust Spot Efficiency	57	%
Average ASHRAE Dust Weight Arrestance	96	%
ASHRAE Dust Holding Capacity	143	g
Test Section Duct Size	24.0 x 24.0	in
Test Dust	ASHRAE	
Test Dust Feed Rate	2.0	g/1000 ft <sup>3</sup>

### PHYSICAL DESCRIPTION

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

**DATE**  
02-01-2000

**TEST SUPERVISOR**  
R.A.S.

**ENGINEERING  
APPROVAL**

*Kevin R. Singer, P.E.*





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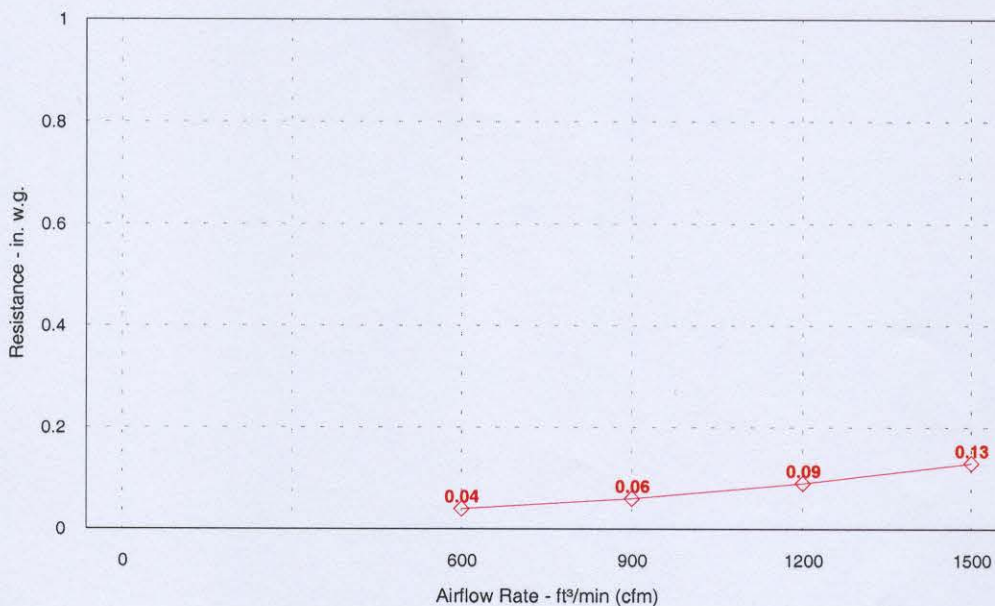
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## ASHRAE STANDARD 52.1-1992 - PERFORMANCE CURVES STATICALLY TESTED DEVICES

### PERFORMANCE CURVES

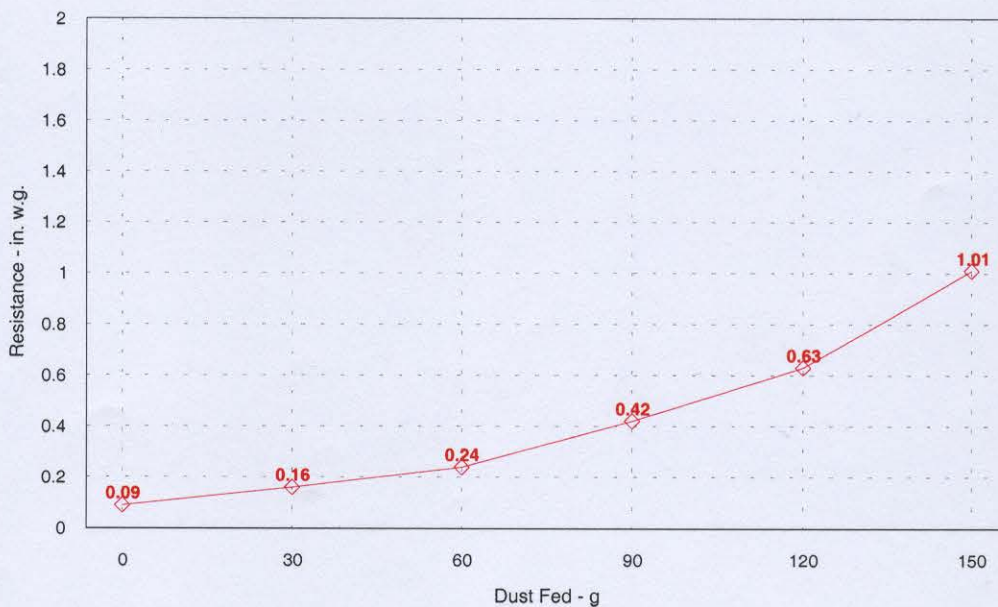
#### CLEAN DEVICE

Airflow -vs- Initial Resistance



#### DUST FED -vs- RESISTANCE

Dust Increment - 30 g ASHRAE



REPORT NO.  
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### PERFORMANCE CURVES

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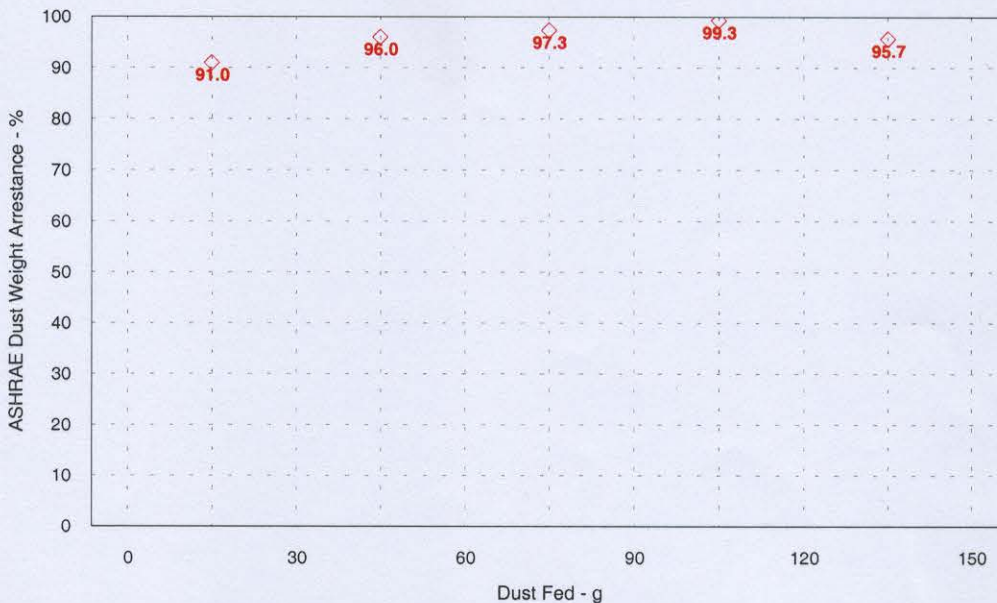
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**SHEET NO.**

4

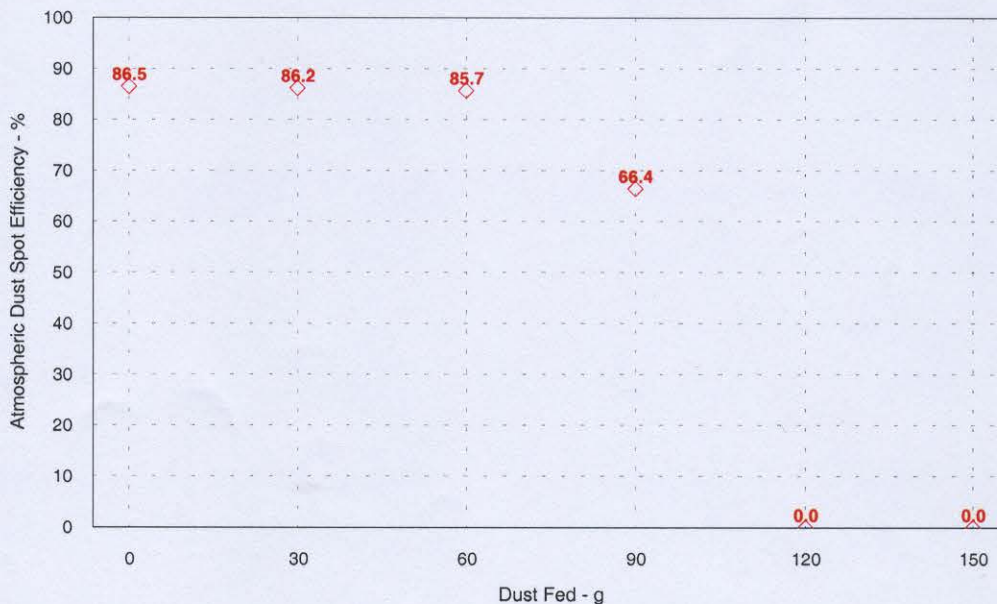
### DUST FED -vs- ARRESTANCE

Dust Increment - 30 g ASHRAE



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

Dust Increment - 30 g ASHRAE



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