



# 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.  
10821

TEST NO.  
1

SHEET NO.  
1

Test Requested By	PERMATRON CORPORATION
Manufacturer	PERMATRON CORPORATION
Test Sample Procurement	FURNISHED BY MANUFACTURER
Product Name	LIFESTYLE PLUS MODEL LR
Model No.	
Dimensions	24 IN. H X 24 IN. W X 1 IN. D (NOMINAL)
Product Description	

### TEST RESULTS - see attached performance curves

Test Airflow Rate	1200	ft <sup>3</sup> /min (cfm)
Initial Resistance	0.07	in. w.g.
Final Resistance	0.75	in. w.g.
Initial Atmospheric Dust Spot Efficiency	< 20	%
Average Atmospheric Dust Spot Efficiency	< 20	%
Average ASHRAE Dust Weight Arrestance	74	%
ASHRAE Dust Holding Capacity	110	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)	24.00	in. H
Face Dimension (Nom. Width)	24.00	in. W
Depth Dimension (Nom. Depth)	1.00	in. D
Media Area (Gross)	4.0	ft <sup>2</sup>
Media Area (Net Effective)	3.6	ft <sup>2</sup>
Inlet Open Area (IOA)	3.60	ft <sup>2</sup>
Type Of Media	PYRAMAT / 12-MIL HONEYCOMB	
Type And Amount Of Dust Adhesive	NONE	

DATE  
09-09-1998

TEST SUPERVISOR  
R.A.S.

ENGINEERING  
APPROVAL

*Kevin R. Singer, P.E.*





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

### PERFORMANCE CURVES

REPORT NO.

10821

TEST NO.

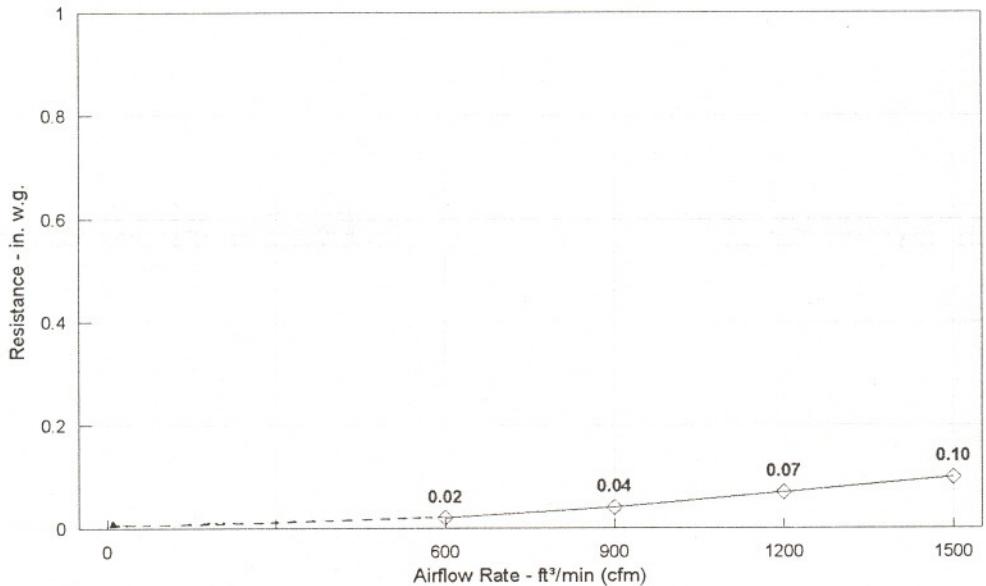
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SHEET NO.

1

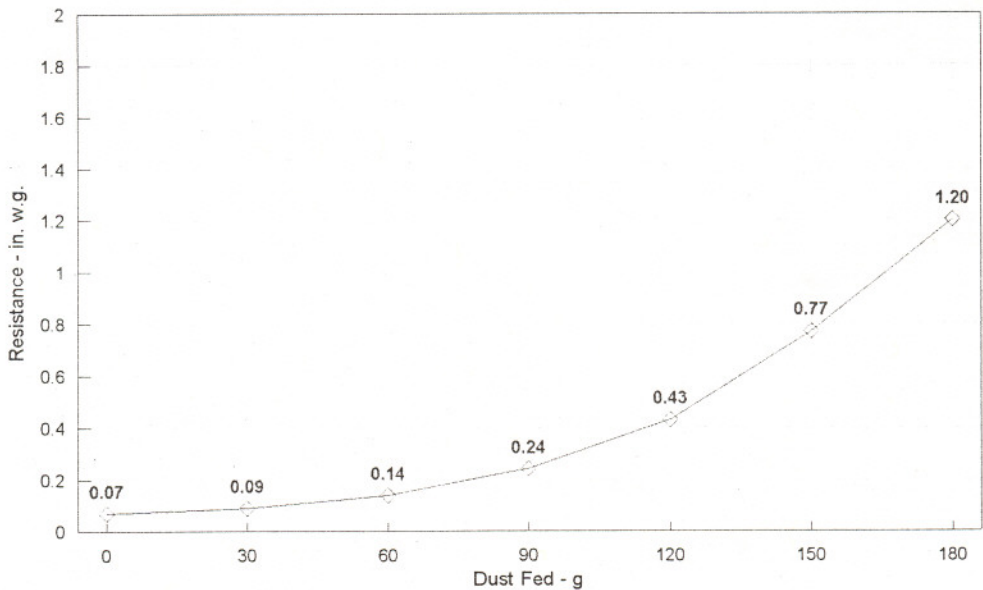
### CLEAN DEVICE

Airflow -vs- Initial Resistance



### DUST FED -vs- RESISTANCE

Dust Increment - 30 g ASHRAE



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SHEET NO.  
1

Test Requested By                      PERMATRON CORPORATION  
 Manufacturer                            PERMATRON CORPORATION  
 Test Sample Procurement            FURNISHED BY MANUFACTURER  
 Product Name                            LIFESTYLE PLUS MODEL MF  
 Model No.  
 Dimensions                                24 IN. H X 24 IN. W X 1 IN. D (NOMINAL)  
 Product Description

### TEST RESULTS - see attached performance curves

Test Airflow Rate	1200	ft <sup>3</sup> /min (cfm)
Initial Resistance	0.19	in. w.g.
Final Resistance	1.00	in. w.g.
Initial Atmospheric Dust Spot Efficiency	< 20	%
Average Atmospheric Dust Spot Efficiency	< 20	%
Average ASHRAE Dust Weight Arrestance	86	%
ASHRAE Dust Holding Capacity	138	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)	24.00	in. H
Face Dimension (Nom. Width)	24.00	in. W
Depth Dimension (Nom. Depth)	1.00	in. D
Media Area (Gross)	4.0	ft <sup>2</sup>
Media Area (Net Effective)	3.6	ft <sup>2</sup>
Inlet Open Area (IOA)	3.60	ft <sup>2</sup>
Type Of Media	12-MIL POLYPROPYLENE / NONWOVEN 12-MIL POLY- PROPYLENE	
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.

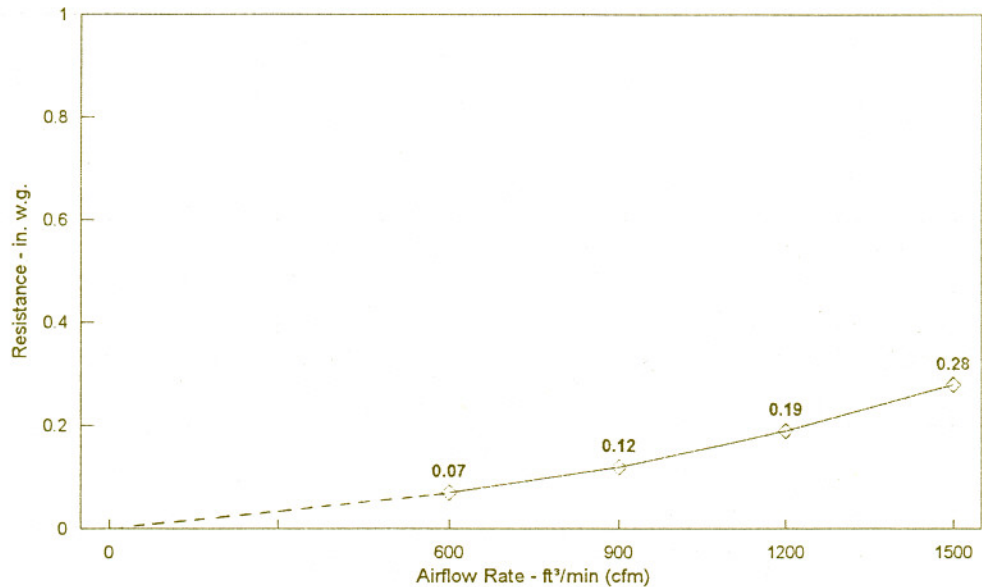
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SHEET NO.

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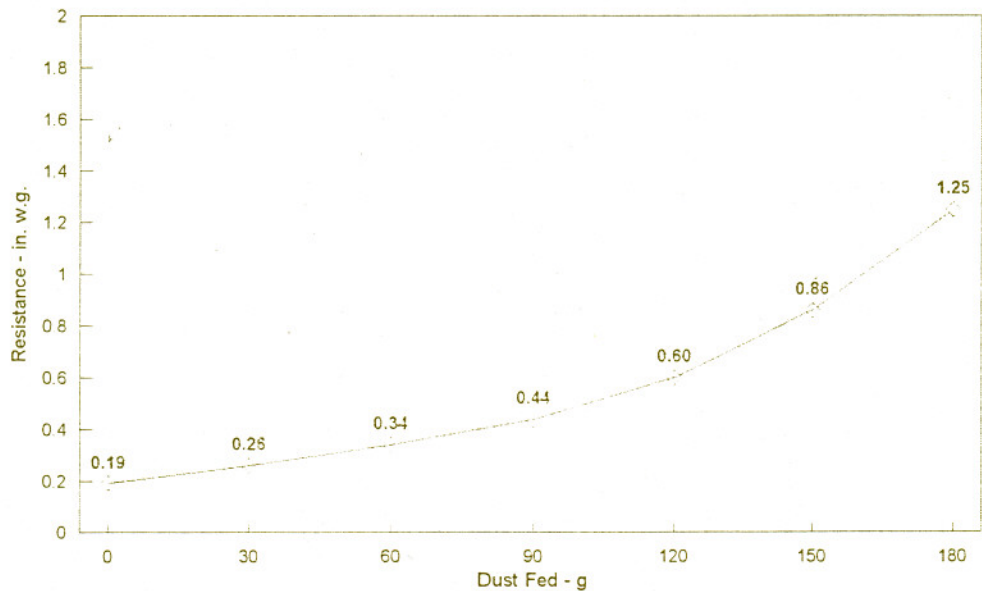
### CLEAN DEVICE

Airflow -vs- Initial Resistance



### DUST FED -vs- RESISTANCE

Dust Increment - 30 g ASHRAE



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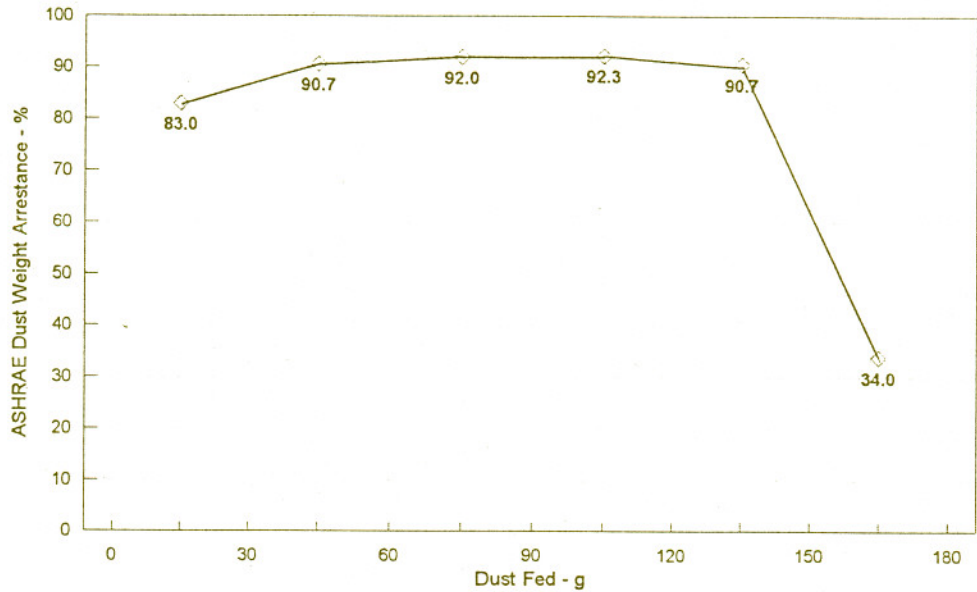
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## ASHRAE STANDARD 52.1-1992 - PERFORMANCE CURVES STATICALLY TESTED DEVICES

### PERFORMANCE CURVES

#### DUST FED -vs- ARRESTANCE

Dust Increment - 30 g ASHRAE



REPORT NO.  
10820

TEST NO.  
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SHEET NO.  
2

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