



# 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.  
10822

TEST NO.  
1

SHEET NO.  
1

Test Requested By                      PERMATRON CORPORATION  
 Manufacturer                            PERMATRON CORPORATION  
 Test Sample Procurement            FURNISHED BY MANUFACTURER  
 Product Name                            DURALOFT MODEL DL  
 Model No.  
 Dimensions                              24 IN. H X 24 IN. W X 2 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	120	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)	2.00	in. D
Media Area (Gross)	4.0	ft <sup>2</sup>
Media Area (Net Effective)	3.5	ft <sup>2</sup>
Inlet Open Area (IOA)	3.50	ft <sup>2</sup>
Type Of Media	2 LAYERS PYRAMAT / 2 LAYERS 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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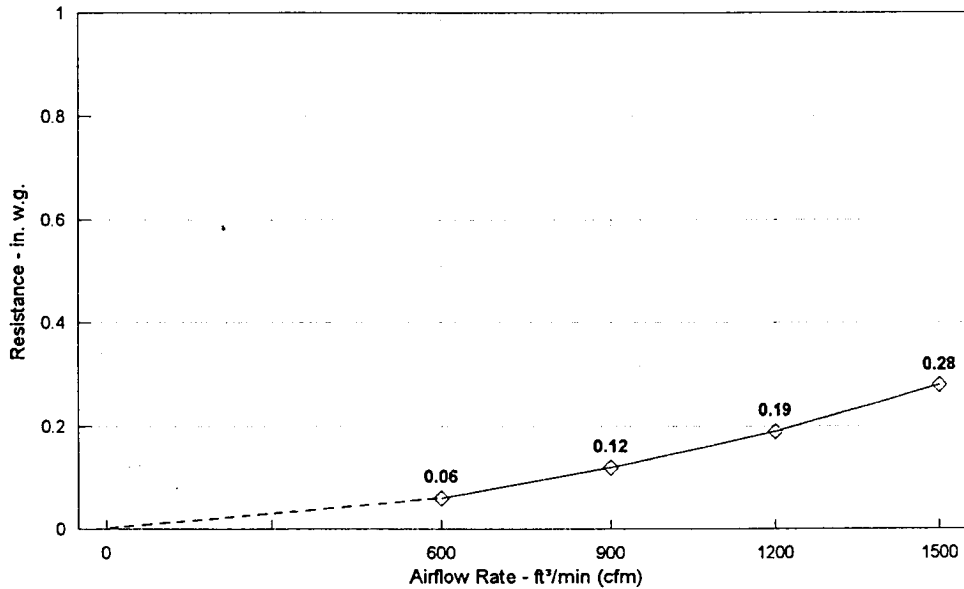
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## ASHRAE STANDARD 52.1-1992 - PERFORMANCE CURVES STATICALLY TESTED DEVICES

### PERFORMANCE CURVES

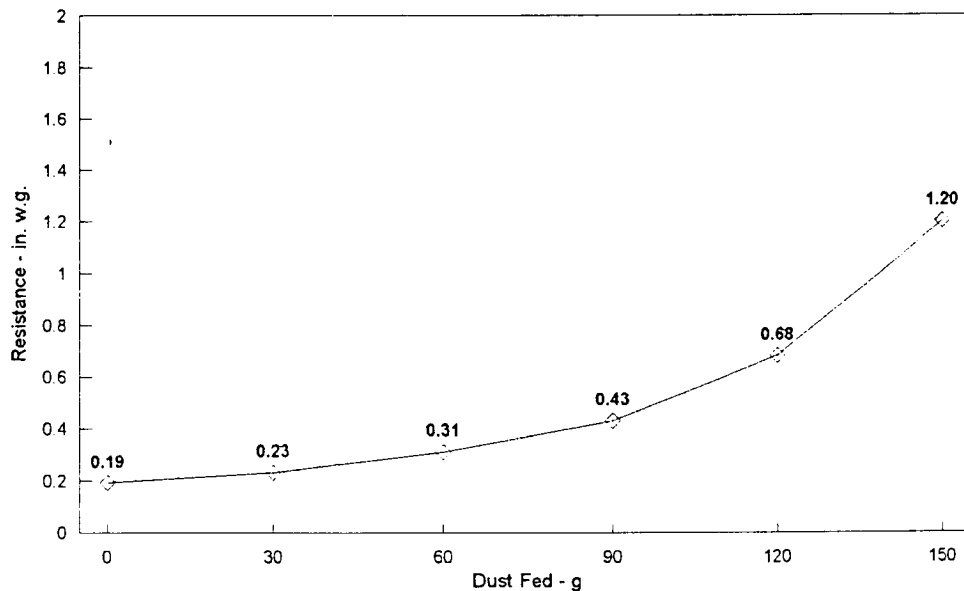
#### CLEAN DEVICE

Airflow -vs- Initial Resistance



#### DUST FED -vs- RESISTANCE

Dust Increment - 30 g ASHRAE



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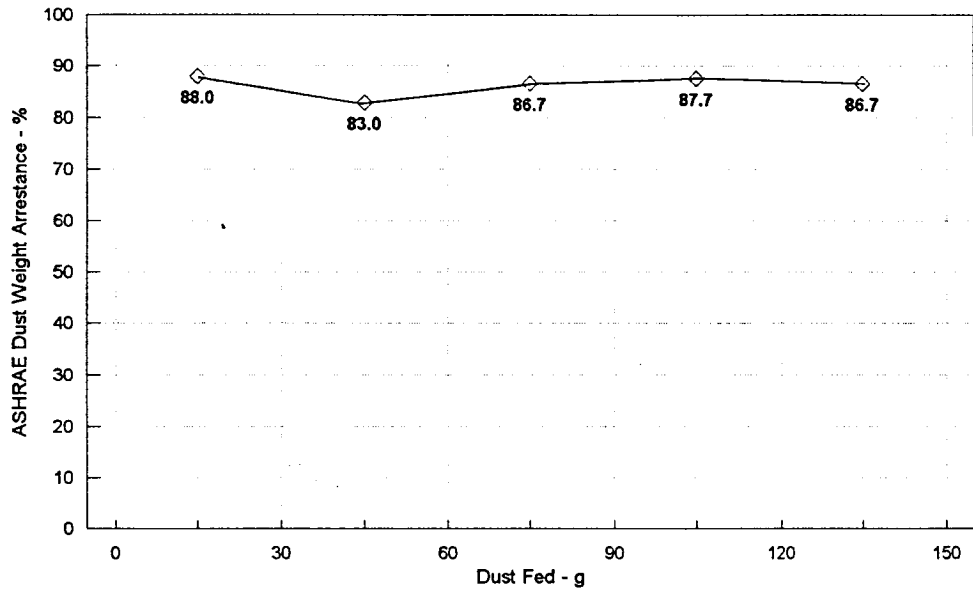
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## ASHRAE STANDARD 52.1-1992 - PERFORMANCE CURVES STATICALLY TESTED DEVICES

### PERFORMANCE CURVES

#### DUST FED -vs- ARRESTANCE

Dust Increment - 30 g ASHRAE



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