



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

Test Requested By	PERMATRON CORP.
Manufacturer	PERMATRON CORP.
Test Sample Procurement	FURNISHED BY MANUFACTURER
Product Name	DUST PLUS COMMERCIAL
Model No.	DPCH-2
Dimensions	24 IN. H X 24 IN. W X 2 IN. D (NOMINAL)
Product Description	

REPORT NO.
11570

TEST NO.
1

SHEET NO.
1

TEST RESULTS - see attached performance curves

Test Airflow Rate	0	ft ³ /min (cfm)
Initial Resistance	0.28	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	89	%
ASHRAE Dust Holding Capacity	108	g

Test Section Duct Size	24.0 x 24.0	in
Test Dust	ASHRAE	
Test Dust Feed Rate	2.0	g/1000 ft ³

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 ²
Media Area (Net Effective)	4.0	ft ²
Inlet Open Area (IOA)	4.00	ft ²
Type Of Media	POLYPROPYLENE / CARBON	
Type And Amount Of Dust Adhesive	NONE	

DATE
01-18-2000

TEST SUPERVISOR
R.A.S.

ENGINEERING
APPROVAL

Kevin R. Singer, P.E.





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 - PERFORMANCE CURVES STATICALLY TESTED DEVICES

PERFORMANCE CURVES

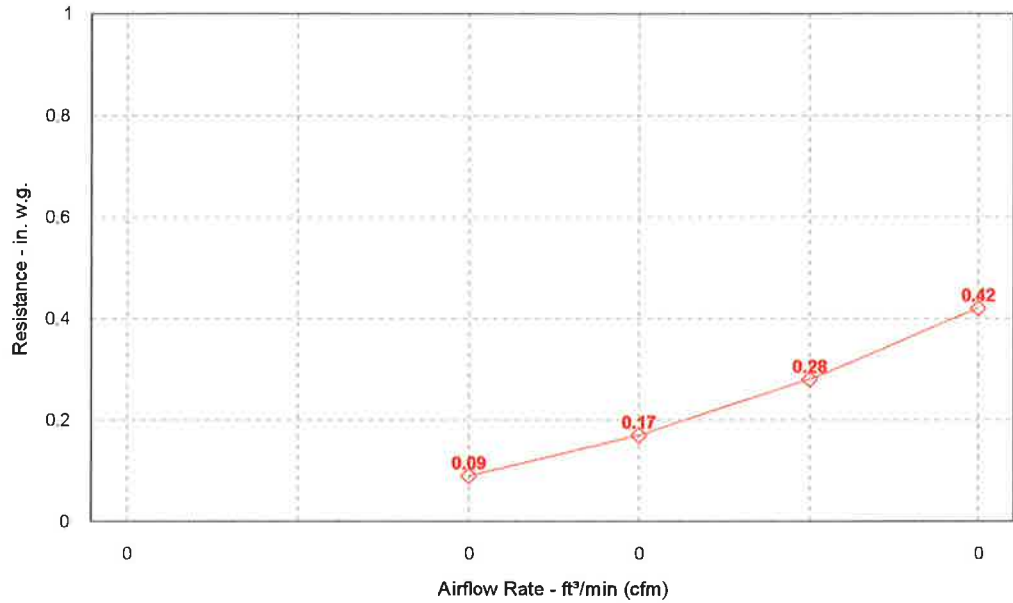
REPORT NO.
11570

TEST NO.
1

SHEET NO.
2

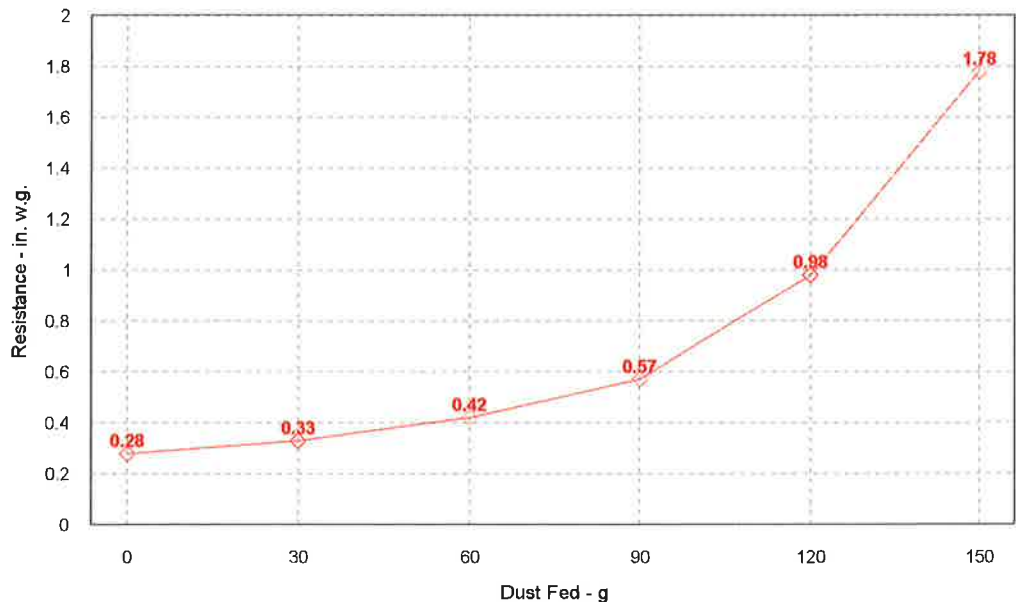
CLEAN DEVICE

Airflow -vs- Initial Resistance



DUST FED -vs- RESISTANCE

Dust Increment - 30 g ASHRAE



DATE

01-18-2000

TEST SUPERVISOR

R.A.S.

ENGINEERING

APPROVAL

Kevin R. Singer, P.E.





AIR FILTER TESTING LABORATORIES, INC.

4632 Old LaGrange Road • Crestwood, Kentucky 40014

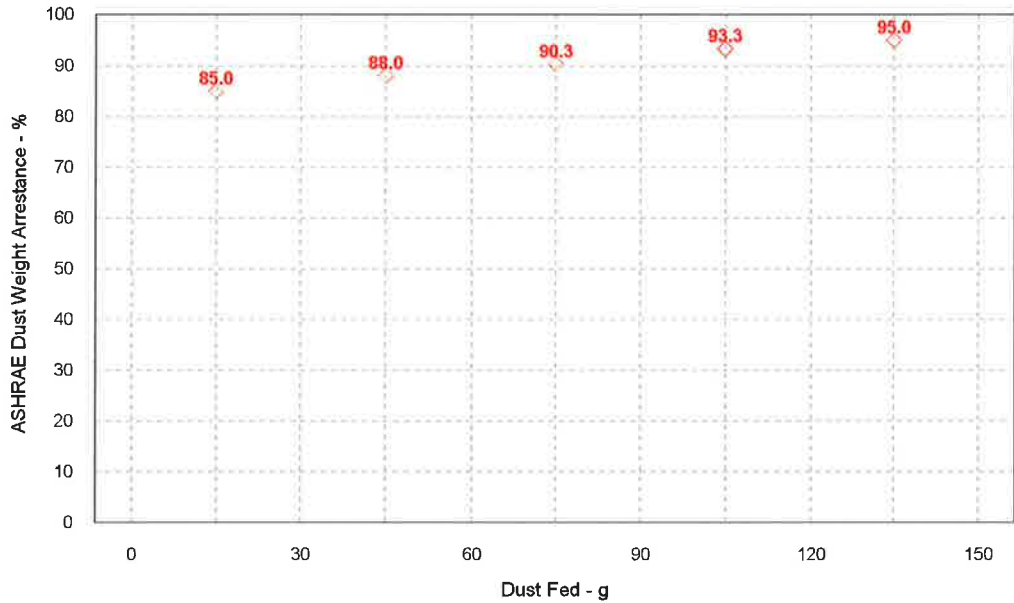
Phone (502) 222-5720 • Fax (502) 222-5720

ASHRAE STANDARD 52.1-1992 - PERFORMANCE CURVES STATICALLY TESTED DEVICES

PERFORMANCE CURVES

DUST FED -vs- ARRESTANCE

Dust Increment - 30 g ASHRAE



REPORT NO.
11570

TEST NO.
1

SHEET NO.
3

DATE
01-18-2000

TEST SUPERVISOR
R.A.S.

ENGINEERING
APPROVAL

Kevin R. Singer, P.E.

