



AIR FILTER TESTING LABORATORIES, INC.

4632 OLD LA GRANGE ROAD | CRESTWOOD, KENTUCKY 40014 PHONE (502) 222-5720

ASHRAE TEST STANDARD 52.1-1992 STATICALLY TESTED DEVICES

REPORT NO. 9498

TEST NO. 1

SHEET NO. 1

DEVICE TESTED

MODEL MMA – METAL MESH ALUMINUM
 PERMATRON CORPORATION 2020 TOUHY AVENUE, ELK GROVE VILLAGE, IL 60007
 1-800-882-8012 sales@permatron.com
 MODEL NO. MMA DIMENSIONS 20 IN. H 20 IN. W 2 IN. D

RATED PERFORMANCE DATA FROM MANUFACTURERS CATALOG NO.		DATED	
AIR FLOW CAPACITY			
INITIAL RESISTANCE			
FINAL RESISTANCE			
INITIAL ATMOSPHERIC DUST SPOT EFFICIENCY			
AVERAGE ATMOSPHERIC DUST SPOT EFFICIENCY			
AVERAGE SYNTHETIC DUST WEIGHT ARRESTANCE			
AVERAGE DUST HOLDING CAPACITY			

TEST RESULTS

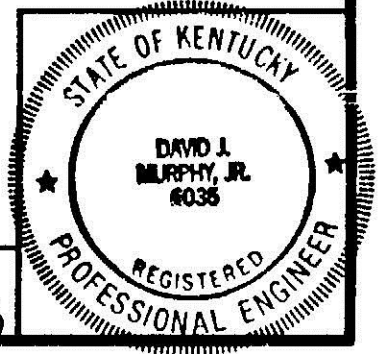
TEST AIR FLOW RATE	972		CFM
INITIAL RESISTANCE	0.10		IN. W.G.
FINAL RESISTANCE		0.52	IN. W.G.
INITIAL ATMOSPHERIC DUST SPOT EFFICIENCY		< 20	%
AVERAGE ATMOSPHERIC DUST SPOT EFFICIENCY		< 20	%
AVERAGE SYNTHETIC DUST WEIGHT ARRESTANCE		65	%
ASHRAE DUST HOLDING CAPACITY		390	GM.

TEST SECTION DUCT SIZE 20 IN. X 20 IN. DUST FEEDING RATE 2.0 GM./1000 CF

(SEE ATTACHED PERFORMANCE CURVES)

PHYSICAL DESCRIPTION

FACE DIMENSIONS (NOM.) 20 IN. X 20 IN.
 DEPTH (NOM.) 2 IN.
 MEDIA AREA 2.6 FT²
 TYPE MEDIA EXPANDED ALUMINUM
 TYPE & AMOUNT ADHESIVE OIL



DATE 8-5-1996

TEST SUPERVISOR J.P.S.

ENGINEERING APPROVAL

David J. Murphy Jr.



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ASHRAE TEST STANDARD 52.1-1992 AIR FILTER PERFORMANCE CURVES

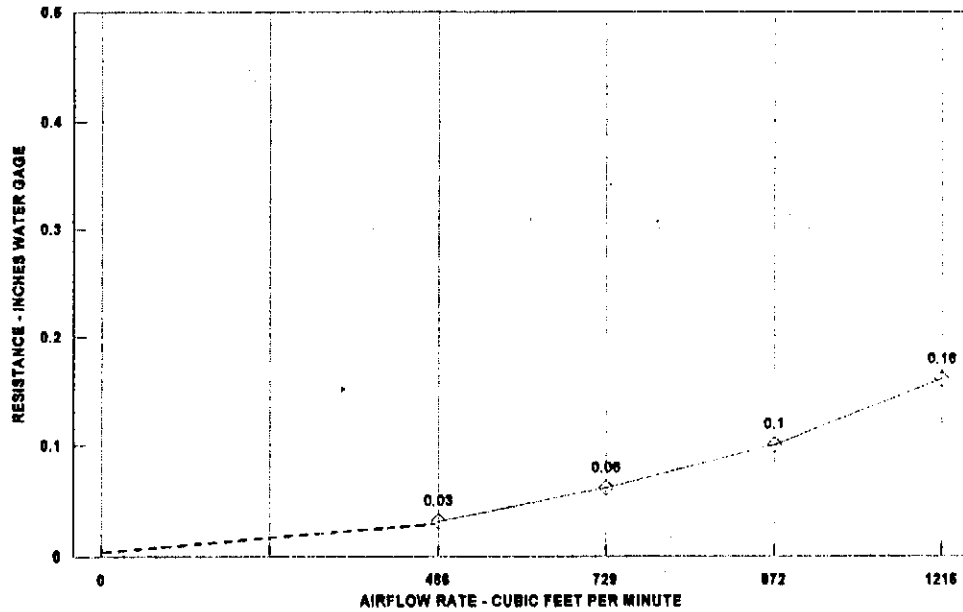
REPORT NO. 9498

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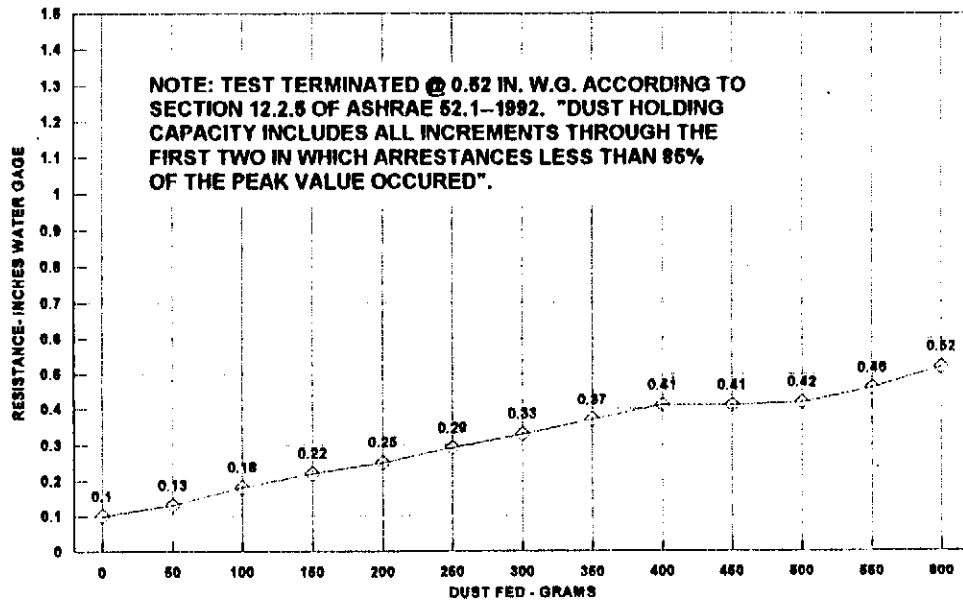
SHEET NO. 2

STATICALLY
TESTED
DEVICES

CLEAN DEVICE AIRFLOW -VS- RESISTANCE



DUST FED -VS- RESISTANCE DUST INCREMENT - 50 GRAMS ASHRAE



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8-5-1996

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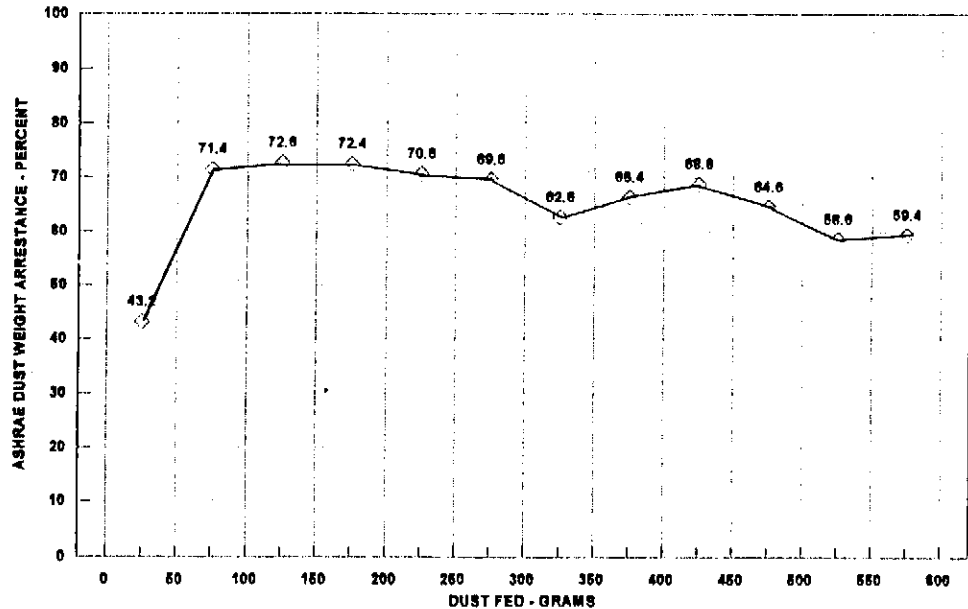
TEST NO. 1

SHEET NO. 3

STATICALLY
TESTED
DEVICES

DUST FED -VS- ARRESTANCE

DUST INCREMENT - 60 GRAMS ASHRAE



DATE

8-5-1996

TEST SUPERVISOR

J.P.S.

ENGINEERING
APPROVAL

David J. Murphy, Jr.

