

50855 Electro Static.



# AIR FILTER TESTING LABORATORIES, INC.

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

## AFTL

### ASHRAE TEST STANDARD 52.1-1992 STATICALLY TESTED DEVICES

REPORT NO. 8076 TEST NO. 1 SHEET NO. 1

TEST REQUESTED BY PRECISIONARE, INC.  
 MANUFACTURER PRECISIONAIRE, INC.  
 PRODUCT NAME ELECTROSTATIC WASHABLE AIR CLEANER WITH ANTI-MICROBIAL  
 HOW AFTL PROCURED TEST SAMPLE FURNISHED BY MANUFACTURER

MODEL NO. \_\_\_\_\_ DIMENSIONS 24 IN. H 24 IN. W 1 IN. D

DEVICE TESTED

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	1200		CFM
INITIAL RESISTANCE	0.23		IN. W.G.
FINAL RESISTANCE		1.00	IN. W.G.
INITIAL ATMOSPHERIC DUST SPOT EFFICIENCY		0.03	%
AVERAGE ATMOSPHERIC DUST SPOT EFFICIENCY		6	%
AVERAGE SYNTHETIC DUST WEIGHT ARRESTANCE		90	%
ASHRAE DUST HOLDING CAPACITY		130	GM.

TEST SECTION DUCT SIZE 24 IN. X 24 IN. DUST FEEDING RATE 2.0 GM./1000 CF  
(SEE ATTACHED PERFORMANCE CURVES)

PHYSICAL DESCRIPTION

FACE DIMENSIONS (NOM.) 24 IN. X 24 IN.  
 DEPTH (NOM.) 1 IN.  
 MEDIA AREA 3.9 FT<sup>2</sup>  
 TYPE MEDIA POLYPROPYLENE / NONWOVEN SYNTHETIC  
 TYPE & AMOUNT ADHESIVE NONE



DATE 8-23-1994 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

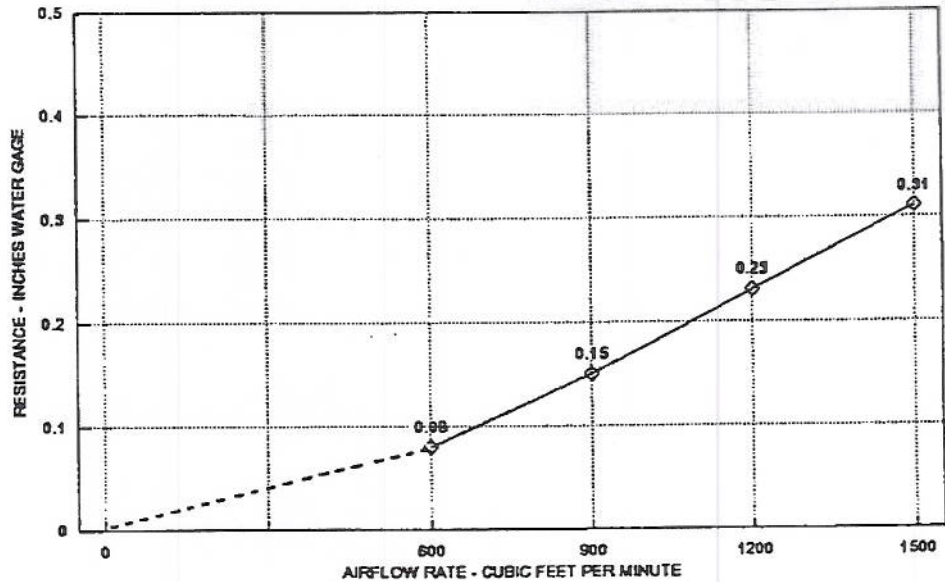
REPORT NO. 8076

TEST NO. 1

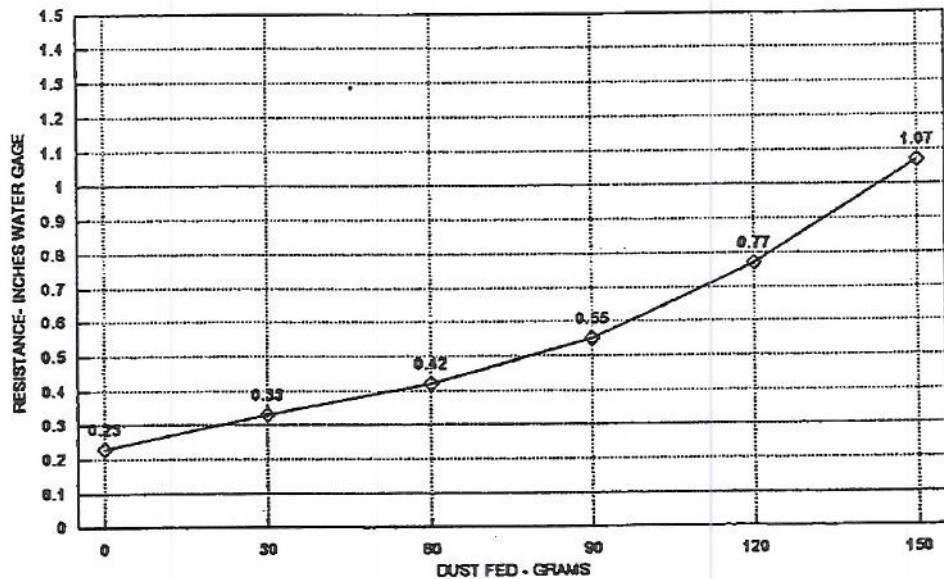
SHEET NO. 2

STATICALLY  
TESTED  
DEVICES

### CLEAN DEVICE AIRFLOW -VS- RESISTANCE



### DUST FED -VS- RESISTANCE DUST INCREMENT - 30 GRAMS ASHRAE



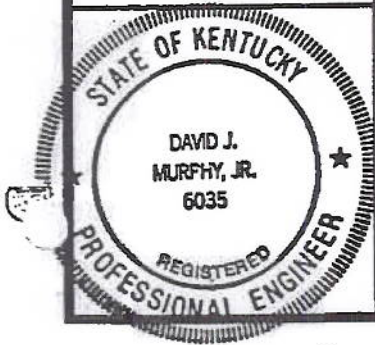
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### ASHRAE TEST STANDARD 52.1-1992 AIR FILTER PERFORMANCE CURVES

REPORT NO. 8076

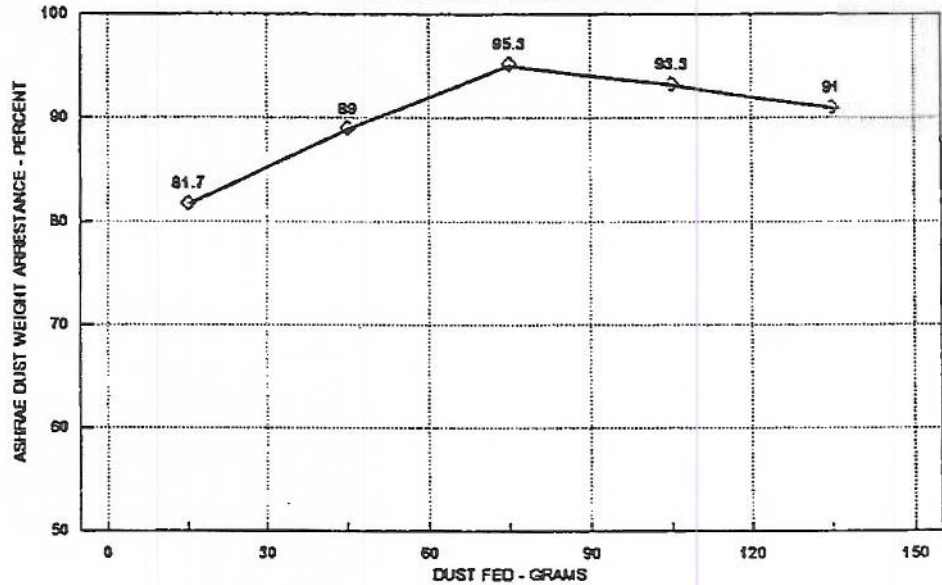
TEST NO. 1

SHEET NO. 3

STATICALLY  
TESTED  
DEVICES

#### DUST FED -VS- ARRESTANCE

DUST INCREMENT - 30 GRAMS ASHRAE



DATE

8-23-1994

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APPROVAL

#### DUST FED -VS- ATMOSPHERIC DUST SPOT EFFICIENCY

DUST INCREMENT - 30 GRAMS ASHRAE

