



AIR FILTER TESTING LABORATORIES, INC.

4632 Old LaGrange Road • Crestwood, Kentucky 40014

ASHRAE AIR FILTER TEST STANDARD 52.1-1992
STATICALLY TESTED DEVICES

DEVICE TESTED

TEST REQUESTED BY PRECISIONAIR, INC.
MANUFACTURER PRECISIONAIR, INC.
PRODUCT NAME EXPANDED METAL PANEL
HOW LABORATORY PROCURED TEST SAMPLE FURNISHED BY MANUFACTURER
MODEL NO. _____ DIMENSIONS 24 IN. H 24 IN. W 1 IN. D

REPORT NO. 7207
TEST NO. 1A
SHEET NO. 1

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		
ASHRAE DUST HOLDING CAPACITY		

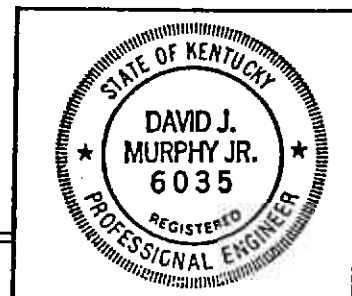
TEST RESULTS

TEST AIR FLOW RATE	<u>1200 CFM</u>	<u>300</u>	→	<u>FPM</u>
INITIAL RESISTANCE		<u>0.04</u>	→	<u>IN. W.G.</u>
FINAL RESISTANCE				<u>0.50 IN. W.G.</u>
INITIAL ATMOSPHERIC DUST SPOT EFFICIENCY				<u><20 %</u>
AVERAGE ATMOSPHERIC DUST SPOT EFFICIENCY				<u><20 %</u>
AVERAGE SYNTHETIC DUST WEIGHT ARRESTANCE				<u>57 %</u>
ASHRAE DUST HOLDING CAPACITY				<u>215 Gm.</u>

TEST SECTION DUCT SIZE 24 IN. x 24 IN. DUST FEEDING RATE 2.0 GM / 1000 CF
SEE BACK SIDE (PAGE 1A) FOR PERFORMANCE CURVES

PHYSICAL DESCRIPTION

FACE DIMENSIONS 24 IN. x 24 IN. NOM.
DEPTH 1 IN. NOM.
MEDIA AREA 3.36 FT.²
TYPE MEDIA EXPANDED METAL
TYPE & AMOUNT ADHESIVE NONE



DATE 4-12-1993 TEST SUPERVISOR J.P.S. ENGINEERING APPROVAL David Murphy



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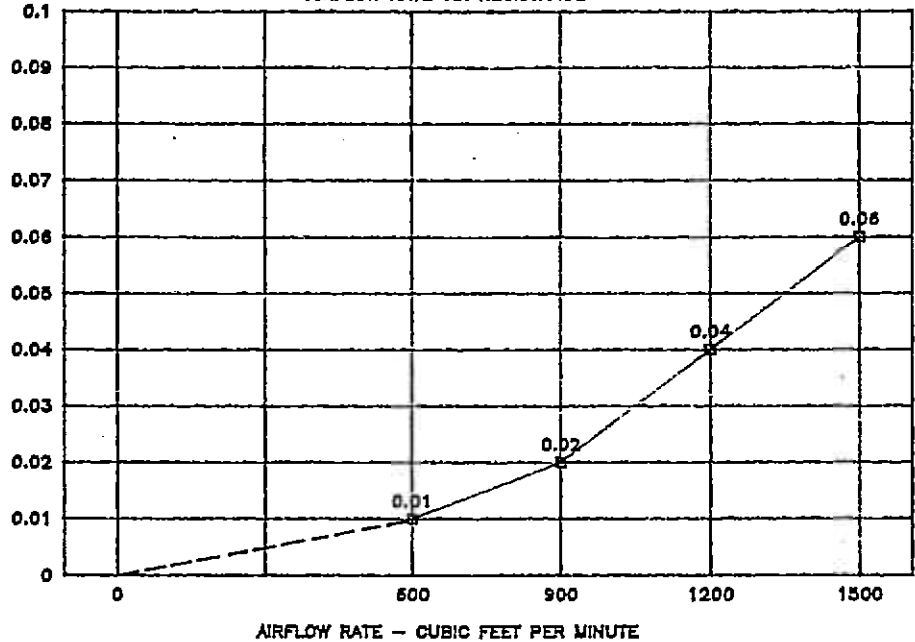
REPORT NO. 7207

TEST NO. 1

SHEET NO. 2

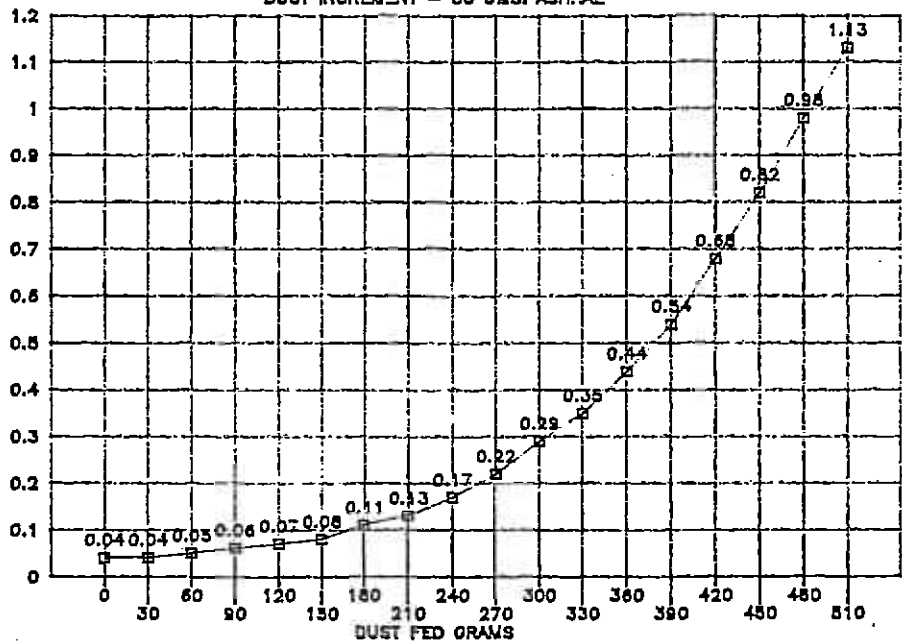
CLEAN DEVICE

AIRFLOW RATE VS. RESISTANCE



DUST FED VS. RESISTANCE

DUST INCREMENT - 30 GMS. ASHRAE



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ENGINEERING

APPROVAL

David J. Murphy Jr.





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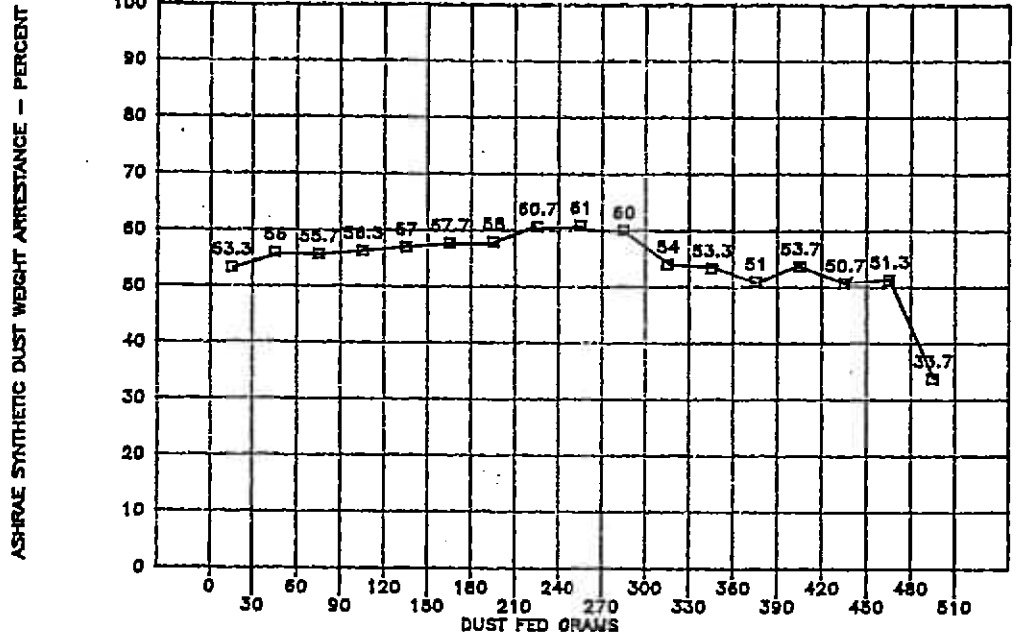
ASHRAE STANDARD 52.1-1992
AIR FILTER PERFORMANCE CURVES

STATICALLY
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DEVICES

REPORT NO. 7207
TEST NO. 1
SHEET NO. 3

DUST FED VS. ARRESTANCE

DUST INCREMENT - 30 GMS. ASHRAE



DATE

4-12-1993

TEST SUPERVISOR

J.P.S.

ENGINEERING

APPROVAL

