



AIR FILTER TESTING LABORATORIES, INC.

4632 Old LaGrange Road • Crestwood, Kentucky 40014

ASHRAE AIR FILTER TEST STANDARD 52-76
STATICALLY TESTED DEVICES

DEVICE TESTED

TEST REQUESTED BY CUMULUS FIBRES, INC.
MANUFACTURER CUMULUS FIBRES, INC.
PRODUCT NAME MEDIA PAD
HOW LABORATORY PROCURED TEST SAMPLE FURNISHED BY MANUFACTURER
MODEL NO. 100BWOT 77 DIMENSIONS 24 in. H 24 in. W 1 in. D

REPORT NO. 6601
TEST NO. 1
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			

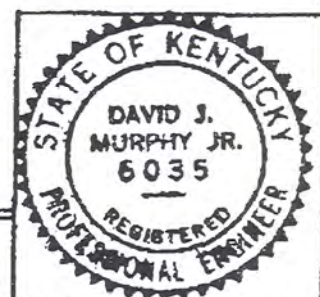
TEST RESULTS

TEST AIR FLOW RATE	<u>1200 CFM</u>	<u>300</u>					
INITIAL RESISTANCE		<u>0.20</u>					
FINAL RESISTANCE					<u>1.00</u>		<u>in. w.g.</u>
INITIAL ATMOSPHERIC DUST SPOT EFFICIENCY					<u>20</u>		<u>%</u>
AVERAGE ATMOSPHERIC DUST SPOT EFFICIENCY					<u>20</u>		<u>%</u>
AVERAGE SYNTHETIC DUST WEIGHT ARRESTANCE					<u>92</u>		<u>%</u>
ASHRAE DUST HOLDING CAPACITY					<u>230</u>		<u>gr.</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.
DEPTH 1 in. Nom.
MEDIA AREA 4 Ft.²
TYPE MEDIA NONWOVEN SYNTHETIC
TYPE & AMOUNT ADHESIVE TACKIFIED



DATE 4-22-1992 TEST SUPERVISOR J.P.S. ENGINEERING APPROVAL David Murphy



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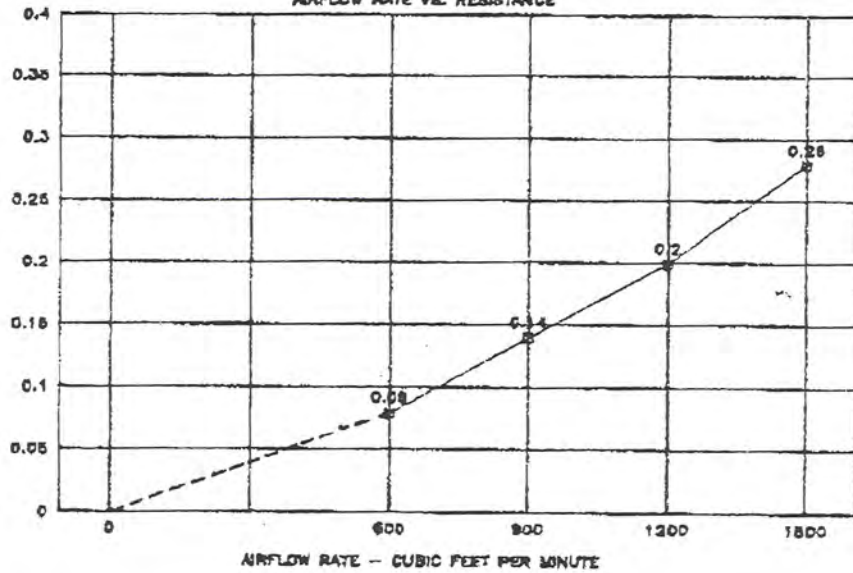
TEST NO. 1

SHEET NO. 2

CLEAN DEVICE

AIRFLOW RATE VS. RESISTANCE

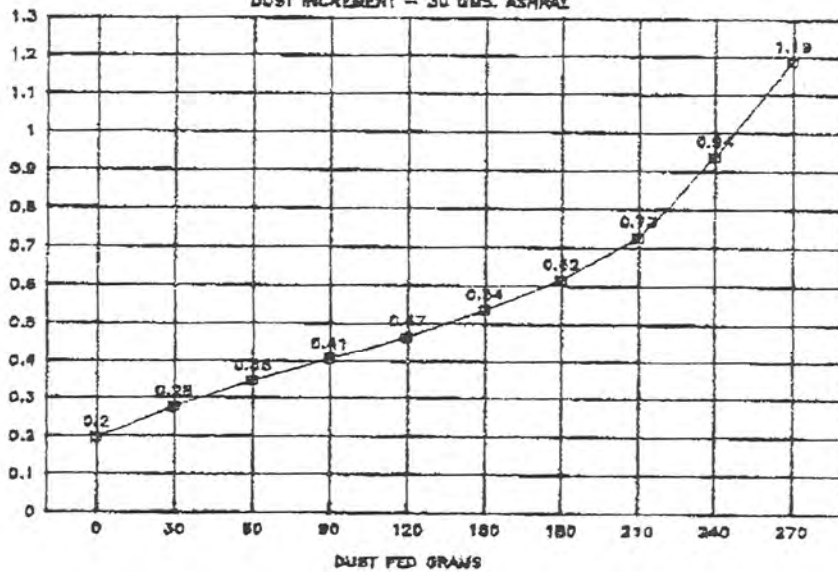
RESISTANCE - INCHES WATER GAGE



DUST FED VS. RESISTANCE

DUST INCREMENT - 30 GMS. ASHRAE

RESISTANCE - INCHES WATER GAGE



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ENGINEERING

APPROVAL

David J. Murphy Jr.





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AIR FILTER PERFORMANCE CURVES

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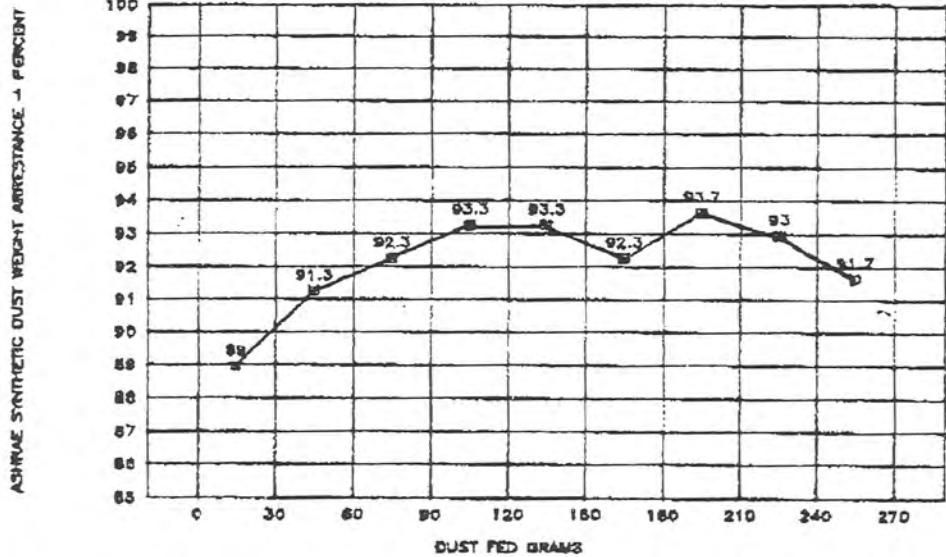
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TEST NO. 1

SHEET NO. 3

DUST FED VS. ARRESTANCE

DUST INCREMENT - 30 GMS. ASHRAE



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ENGINEERING

APPROVAL

