



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 CUMULUS FIBRES, INC.
 MANUFACTURER CUMULUS FIBRES, INC.
 PRODUCT NAME FILTER MEDIA
 HOW LABORATORY PROCURED TEST SAMPLE FURNISHED BY MANUFACTURER
 MODEL NO. 200BWT0110 DIMENSIONS 24IN. H 24IN. W 2IN. D

REPORT NO. 7236
 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			

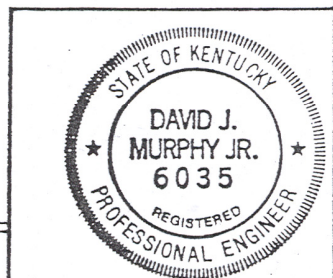
TEST RESULTS

TEST AIR FLOW RATE	<u>1200 CFM</u>	<u>300</u>	→	<u>FPM</u>
INITIAL RESISTANCE		<u>0.29</u>	→	<u>IN.W.G.</u>
FINAL RESISTANCE				<u>1.00 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>93 %</u>
ASHRAE DUST HOLDING CAPACITY				<u>185 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.
 DEPTH 2 IN. NOM.
 MEDIA AREA 4 FT²
 TYPE MEDIA NONWOVEN SYNTHETIC 2 PLY WHT/BLU
 TYPE & AMOUNT ADHESIVE TACKIFIED



DATE 5-12-1993 TEST SUPERVISOR J.P.S. ENGINEERING APPROVAL David J. Murphy Jr.



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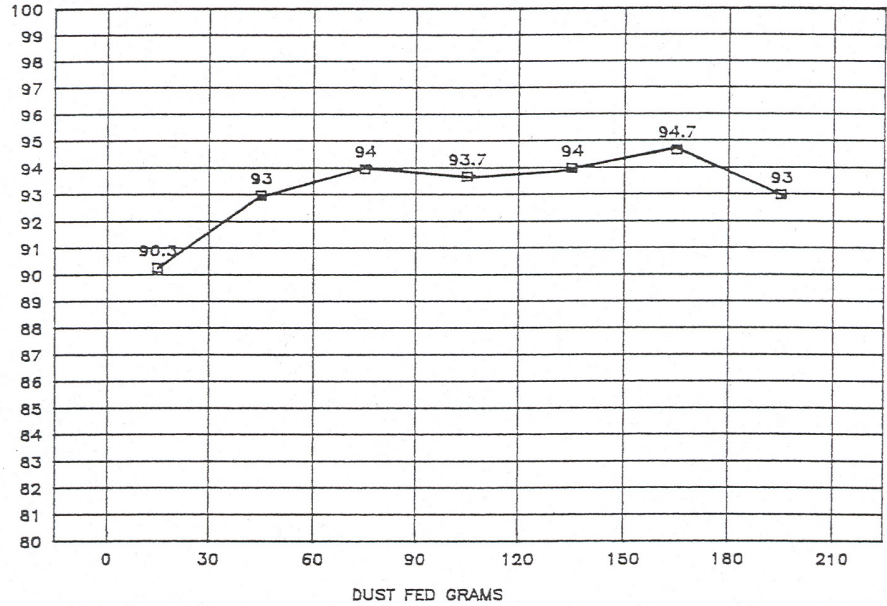
TEST NO. 1

SHEET NO. 3

DUST FED VS. ARRESTANCE

DUST INCREMENT - 30 GMS. ASHRAE

ASHRAE SYNTHETIC DUST WEIGHT ARRESTANCE - PERCENT



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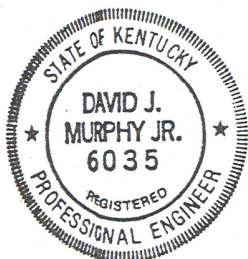
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ENGINEERING

APPROVAL

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STATICALLY TESTED DEVICES

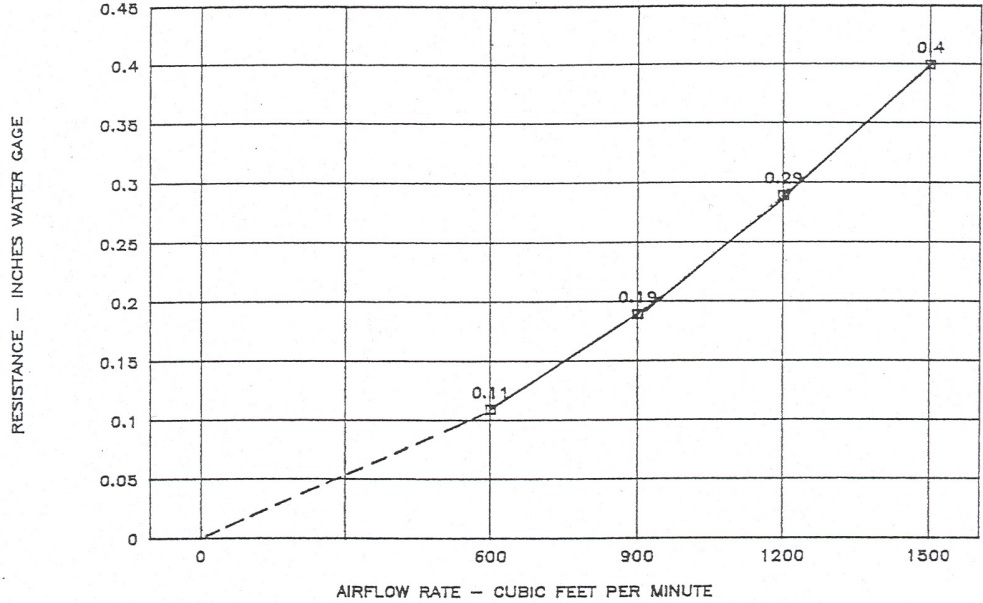
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SHEET NO. 2

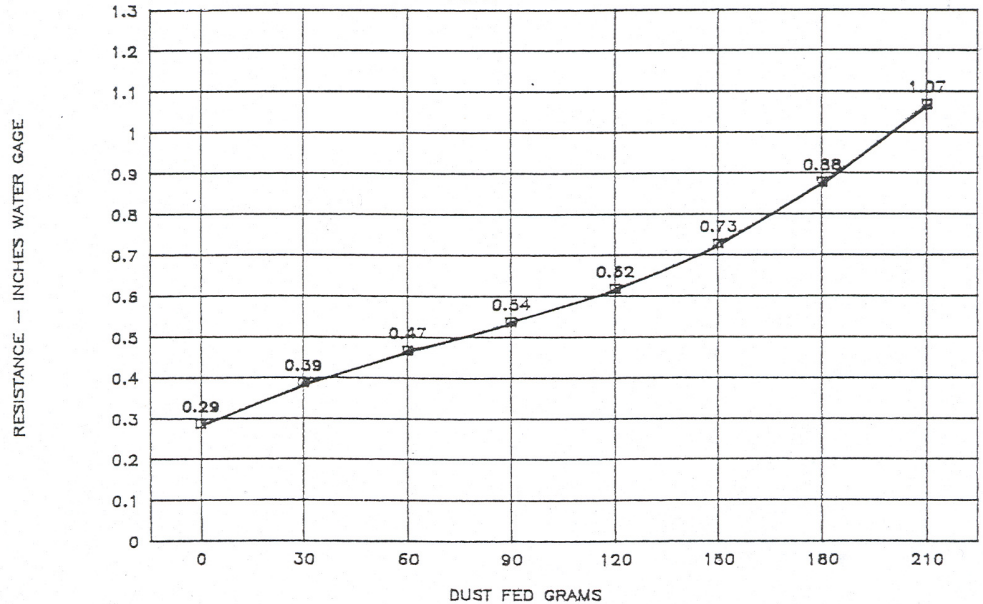
CLEAN DEVICE

AIRFLOW RATE VS. RESISTANCE



DUST FED VS. RESISTANCE

DUST INCREMENT - 30 GMS. ASHRAE



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