



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 PERMATRON CORPORATION
 MANUFACTURER PERMATRON CORPORATION
 PRODUCT NAME ELECTROSTATIC AIR CLEANER
 HOW LABORATORY PROCURED TEST SAMPLE FURNISHED BY MANUFACTURER
 MODEL NO. 1N-1 DIMENSIONS 24 in. H 24 in. W 1 in. D

REPORT NO. 5633
 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</u> | | → | <u>CFM</u> |
| INITIAL RESISTANCE | <u>0.11</u> | | → | <u>in.w.g.</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>78</u> <u>%</u> |
| ASHRAE DUST HOLDING CAPACITY | | | | <u>130</u> <u>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 Ft²
 TYPE MEDIA WOVEN SYNTHETIC
 TYPE & AMOUNT ADHESIVE NONE



DATE 4-16-1990

TEST SUPERVISOR J.P.S.

ENGINEERING APPROVAL David J. Murphy Jr.



AIR FILTER TESTING LABORATORIES, INC.

4632 Old LaGrange Road • Crestwood, Kentucky 40014

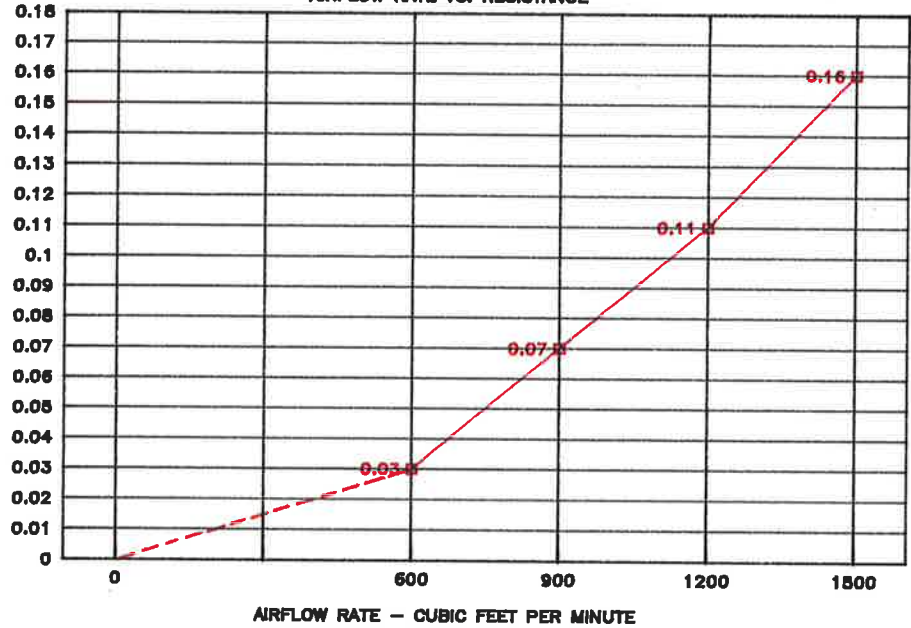
ASHRAE STANDARD 52-76 AIR FILTER PERFORMANCE CURVES

STATICALLY
TESTED
DEVICES

REPORT NO. 5633
TEST NO. 1
SHEET NO. 2

CLEAN DEVICE AIRFLOW RATE VS. RESISTANCE

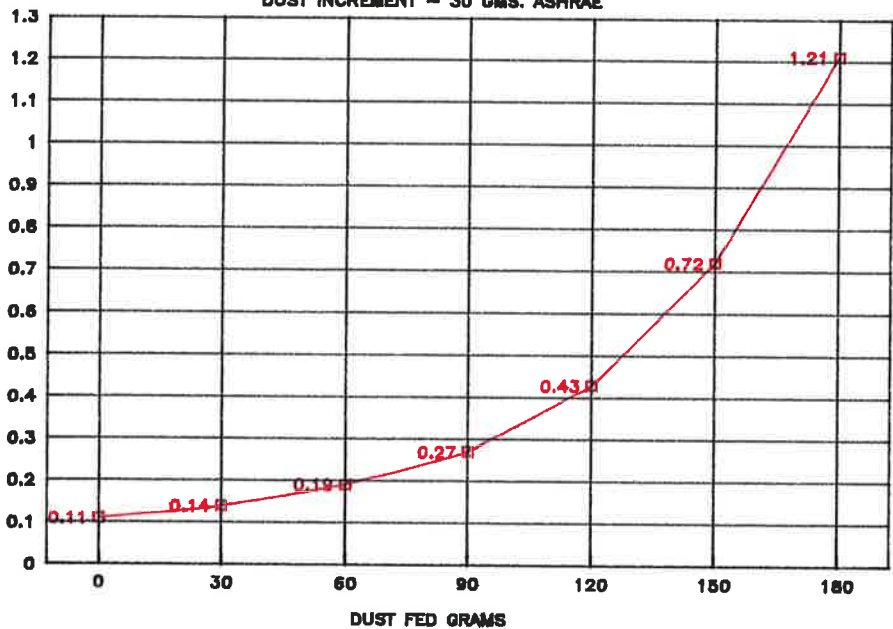
RESISTANCE - INCHES WATER GAGE



DUST FED VS. RESISTANCE

DUST INCREMENT - 30 GMS. ASHRAE

RESISTANCE - INCHES WATER GAGE



DATE

4-16-1990

TEST SUPERVISOR

J.P.S.

ENGINEERING

APPROVAL

David J. Murphy Jr.





AIR FILTER TESTING LABORATORIES, INC.

4632 Old LaGrange Road • Crestwood, Kentucky 40014

ASHRAE STANDARD 52-76 AIR FILTER PERFORMANCE CURVES

STATICALLY
TESTED
DEVICES

REPORT NO. 5633

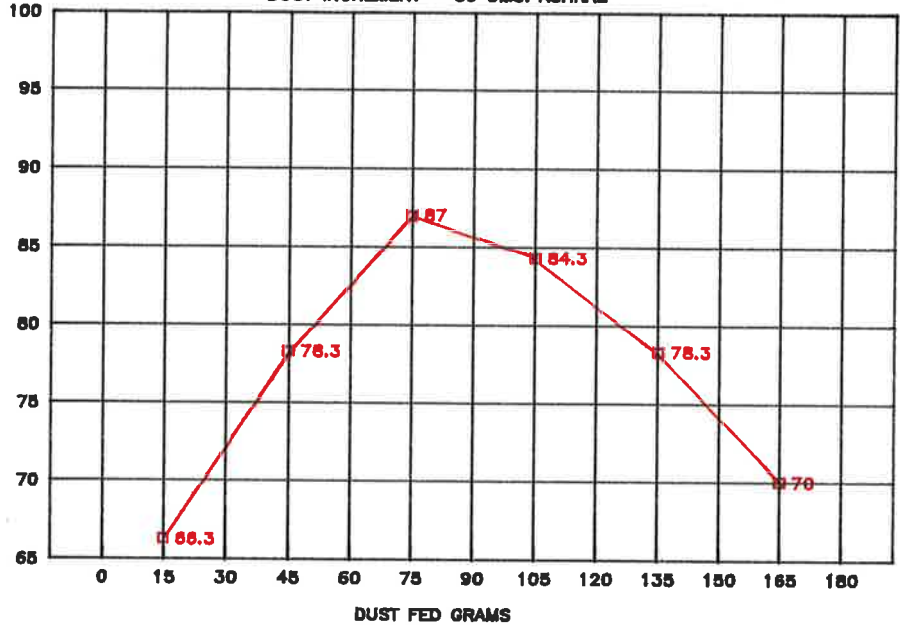
TEST NO. 1

SHEET NO. 3

DUST FED VS. ARRESTANCE

DUST INCREMENT - 30 GMS. ASHRAE

ASHRAE DUST WEIGHT ARRESTANCE - PERCENT



DATE

4-16-1990

TEST SUPERVISOR

J.P.S.

ENGINEERING

APPROVAL

David J. Murphy Jr.

