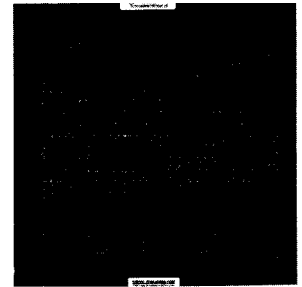


FILTRATION MANUFACTURING, INC.  
 47 J. FARIS DRIVE  
 ANDALUSIA, ALABAMA 36420  
 800-239-9495  
 800-239-9798 Fax  
 www.aplus2000.net



1" MODEL



## A+2000 TECHNICAL DATA SHEET

### Materials

The A+2000 is constructed of exceptionally durable synthetic materials, including polystyrene and specially woven polypropylene fibers. These materials provide extremely long life and are resistant to degradation. Because the A+2000 uses no foam, it can be effectively cleaned and reused indefinitely.

### Filtering Mechanism

The A+2000 is an electrostatic air filter which uses a combination of impingement and charged particle attraction as its filtering mechanism. It has been recognized that the electrostatic attraction between oppositely charged bodies will withdraw particles from the air stream to the oppositely charged filtering media. Even if only one of the materials - particles or fibers - is charged, it may still induce a charge on the neutral material to produce a polarization force.

### Test Methodology

Lab tested by the Air Filter Testing Laboratories, Inc. in accordance with the American Society of Heating, Refrigeration and Air Conditioning Engineers ASHRAE® Standard 52-76. If you have additional technical questions, please call 1-800-239-9495.

|   |  |
|---|--|
| MODEL TESTED/SIZE .....                                 | 24x24x1  |
| MEDIA TYPE .....  | WOVEN SYNTHETIC W/ POLYGLASS   |
| MEDIA AREA .....  | 3.36 Ft <sup>2</sup>   |
| TEST AIR FLOW RATE .....                                | 1200 CFM   |
| POLLEN (GIANT RAGWEED) INCREMENT .....                  | 10G  |
| INITIAL POLLEN (GIANT RAGWEED) REMOVAL EFFICIENCY ..... | 88%  |
| INITIAL RESISTANCE .....                                | .13  |
| ARRESTANCE CAPABILITIES (PEAK) .....                    | 85%  |
| AVERAGE SYNTHETIC DUST WEIGHT ARRESTANCE .....          | 83%  |
| INITIAL ATMOSPHERIC DUST SPOT EFFICIENCY .....          | <20%   |
| AVERAGE ATMOSPHERIC DUST SPOT EFFICIENCY .....          | <20%   |
| ASHRAE DUST HOLDING CAPACITY .....                      | 105 GM ( .5 WG)<br>150 GM (1.0 WG)   |
| DUST FEEDING RATE .....                                 | 2.0 GM/1000 CF   |
| FLAME RETARDANCY .....                                  | AIR FILTER UNIT CLASSIFIED BY UNDERWRITERS<br>LABORATORIES, INC.® AS TO FLAMMABILITY<br>ONLY. CLASS 2 5M48 |

### Air Flow Efficiency

Employing a multi-layer peak and valley design, the A+2000 offers excellent air flow characteristics. Resistance to air flow is a critical factor in ventilation, especially if air-conditioning is involved. Excessive resistance can cause freezing of the cooling coils and could burn out the unit's compressor, a very expensive item to replace.

### AIR FLOW RECOMMENDATIONS

#### Standard Size Filter

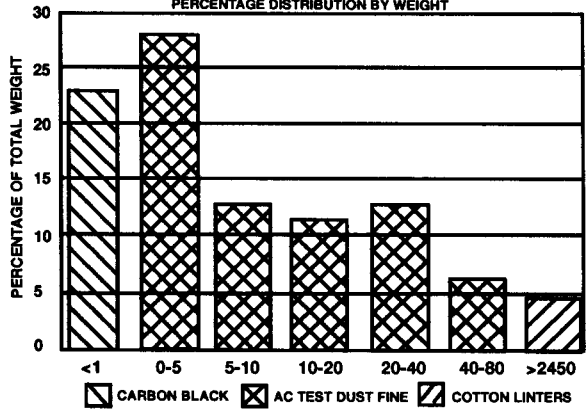
|               | Minimum/Maximum Air Flow |
|---------------|--------------------------|
| 12 x 24 ..... | 450 - 900 CFM            |
| 12 x 30 ..... | 500 - 1000 CFM           |
| 14 x 14 ..... | 525 - 1050 CFM           |
| 14 x 25 ..... | 550 - 1100 CFM           |
| 14 x 30 ..... | 660 - 1315 CFM           |
| 16 x 20 ..... | 500 - 1000 CFM           |
| 16 x 25 ..... | 625 - 1250 CFM           |
| 16 x 30 ..... | 700 - 1400 CFM           |
| 18 x 24 ..... | 675 - 1350 CFM           |
| 18 x 25 ..... | 700 - 1400 CFM           |
| 20 x 20 ..... | 625 - 1250 CFM           |
| 20 x 25 ..... | 780 - 1560 CFM           |
| 20 x 30 ..... | 1000 - 1900 CFM          |
| 24 x 24 ..... | 1000 - 1900 CFM          |
| 24 x 30 ..... | 1025 - 2050 CFM          |



AIR FILTER UNIT  
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\* ANSI/ASHRAE Standard 52.1-1992, Gravimetric and Dust Spot Procedures for Testing Air Cleaning Devices Used in General Ventilation for Removing Particulate Matter, American Society of Heating, Refrigeration and Air-Conditioning Engineers, Inc. Atlanta, GA 30329.

FILTRATION MANUFACTURING, INC. PARTICLE SIZE DISTRIBUTION ASHRAE TEST DUST  
PERCENTAGE DISTRIBUTION BY WEIGHT



National Air Filtration Association



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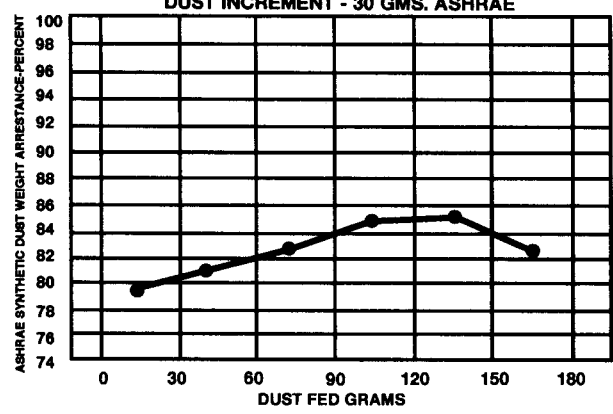
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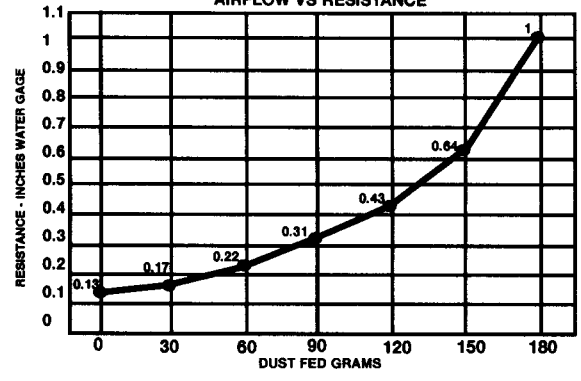
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DUST FED VS. ARRESTANCE  
DUST INCREMENT - 30 GMS. ASHRAE



DUST FED RESISTANCE  
AIRFLOW VS RESISTANCE



CLEAN DEVICE  
AIRFLOW VS RESISTANCE

