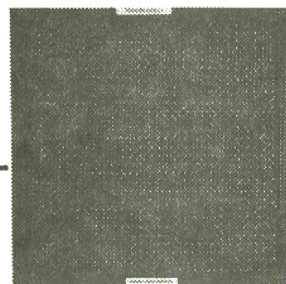


FILTRATION MANUFACTURING, INC.  
47 J. FARIS DRIVE  
ANDALUSIA, ALABAMA 36420  
800-239-9495  
800-239-9798 FAX



2" MODEL



## A+2000 TECHNICAL DATA SHEET

The 2" size A+2000 Permanent Air Filter is an efficient heating and air conditioning filter designed for heavy duty commercial and industrial applications. Such applications are generally in spaces where a high concentration of heavy airborne particles or other airborne contaminants are present.

### 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

The effectiveness of a filter is tested and subsequently rated by ASHRAE (American Society of Heating, Refrigeration and Air-Conditioning Engineers). The test results below are measurements using the ASHRAE Standard 52-76 and ASHRAE method 52.1 (airflow vs. resistance) tested by the Air Filter Testing Laboratories, Inc. The test for Initial Staining Dirt Efficiency is a critical measurement of how well the filter removes microscopic staining particles such as tobacco tar, allergens and grease. The Average Arrestance Test refers to the percentage of ordinary dust, hair, lint, and other large-particulate matter removed. If you should have additional technical questions, please call 1-800-239-9495.

MODEL TESTED/SIZE .....	24x24x2
MEDIA TYPE .....	Woven Synthetic w/ Polyglass
MEDIA AREA .....	3.36 Ft <sup>2</sup>
TEST AIR FLOW RATE .....	1200 CFM
INITIAL RESISTANCE .....	.15
ARRESTANCE CAPABILITIES (PEAK) .....	74%
INITIAL ATMOSPHERIC DUST SPOT EFFICIENCY .....	<20
AVERAGE ATMOSPHERIC DUST SPOT EFFICIENCY .....	<20%
AVERAGE SYNTHETIC DUST WEIGHT ARRESTANCE .....	71%
ASHRAE DUST HOLDING CAPACITY .....	.95 GM ( .5 WG) 140 GM (1.0 WG)
DUST FEEDING RATE .....	2.0 GM/1000 CF
FLAME RETARDANCY .....	Meets U/L standards – U.S. and Canada

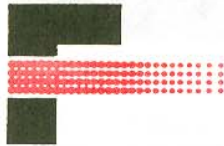
### AIR FLOW EFFICIENCY

Employing a multi-layer peak and valley design, the A+2000 offers excellent air flow characteristics for a wide range of commercial/industrial applications, where the maintenance of good air quality is paramount. 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.

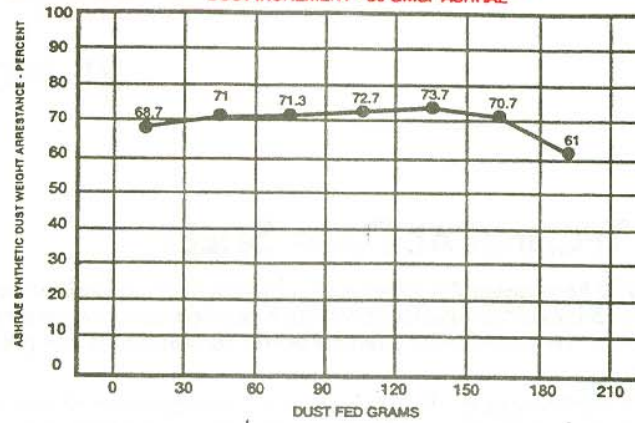


AIR FILTER UNIT  
CLASSIFIED BY  
UNDERWRITERS LABORATORIES INC.®  
AS TO FLAMMABILITY ONLY  
CLASS 2 5M48

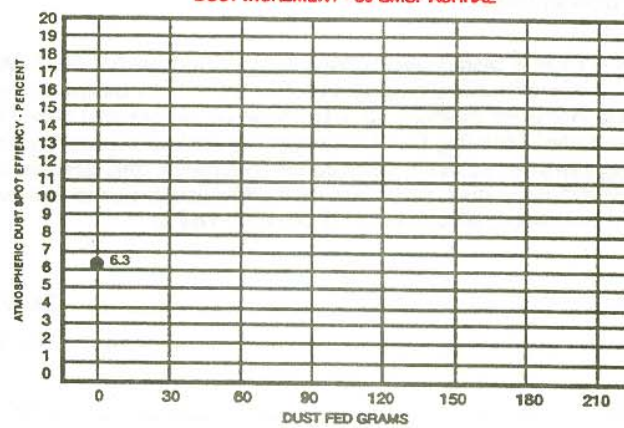
\* ANSI/ASHRAE Standard 52.1-1992, Gravimetric and Dust Spot Procedures for Testing Air Cleaning Devices Used in General Ventilation for Removing Particulate Matter, American Society of Heating, Refrigeration and Air-Conditioning Engineers, Inc. Atlanta, GA 30329.



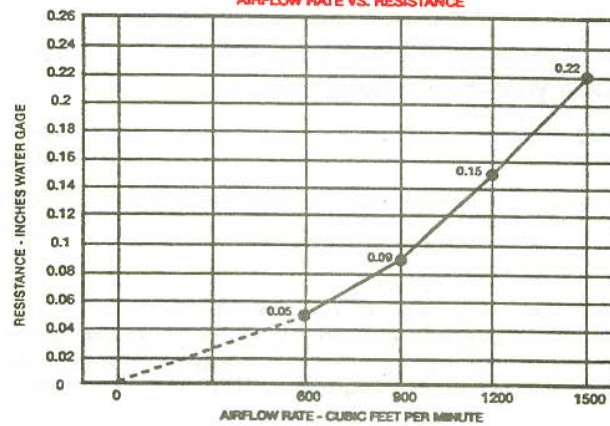
**DUST FED VS. ARRESTANCE**  
DUST INCREMENT - 30 GMS. ASHRAE



**DUST FED VS. ATMOS. DUST SPOT EFF.**  
DUST INCREMENT - 30 GMS. ASHRAE



**CLEAN DEVICE**  
AIRFLOW RATE VS. RESISTANCE



**DUST FED RESISTANCE**  
DUST INCREMENT - 30 GMS. ASHRAE

