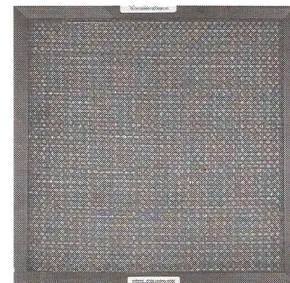


FILTRATION MANUFACTURING, INC.  
 47 J. FARIS DRIVE  
 ANDALUSIA, ALABAMA 36420  
 800-239-9495  
 800-239-9798 Fax  
 environetairfilters.com



2" MODEL



## ENVIRONET TECHNICAL DATA SHEET

### Materials

The Environet 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 Environet uses no foam, it can be effectively cleaned and reused indefinitely.

### Filtering Mechanism

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

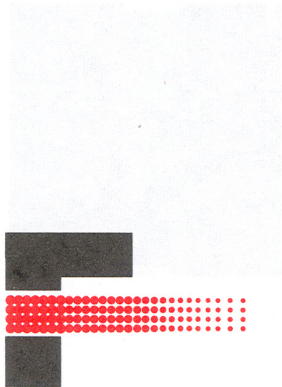
### Air Flow Efficiency

Employing a multi-layer peak and valley design, the Environet offers excellent air flow characteristics for a wide range of commercial/industrial applications. 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.

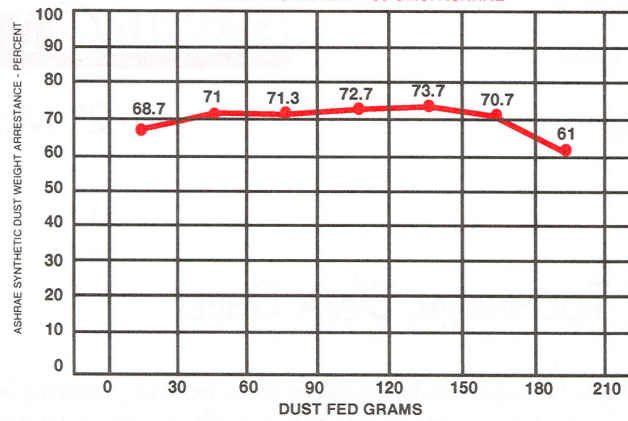


AIR FILTER UNIT  
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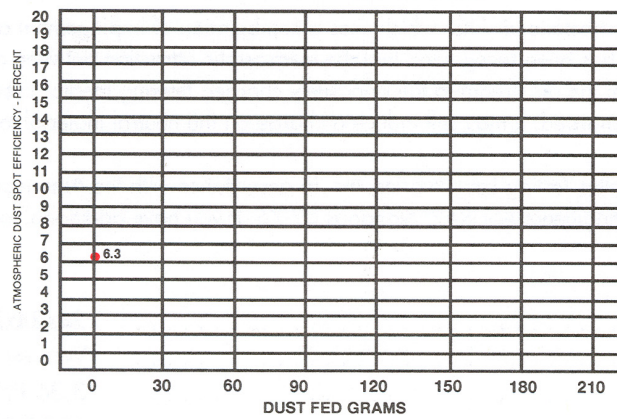
\*ANSI/ASHRAE Standard 52.1-1992, Gravimetric and Dust Spot Procedures for Testing Air Cleaning Devices used in General Ventilation for Removing Particulate Matter, American Society of Heating, Refrigeration and Air-Conditioning Engineers, Inc. Atlanta, GA 30329



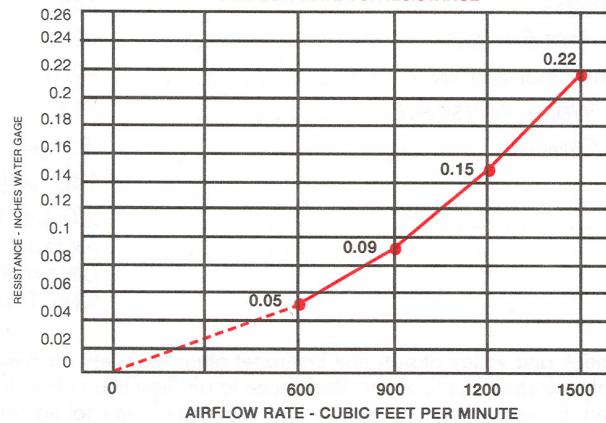
**DUST FED VS. ARRESTANCE**  
DUST INCREMENT - 30 GMS. ASHRAE



**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

