

# FILTRATION GROUP

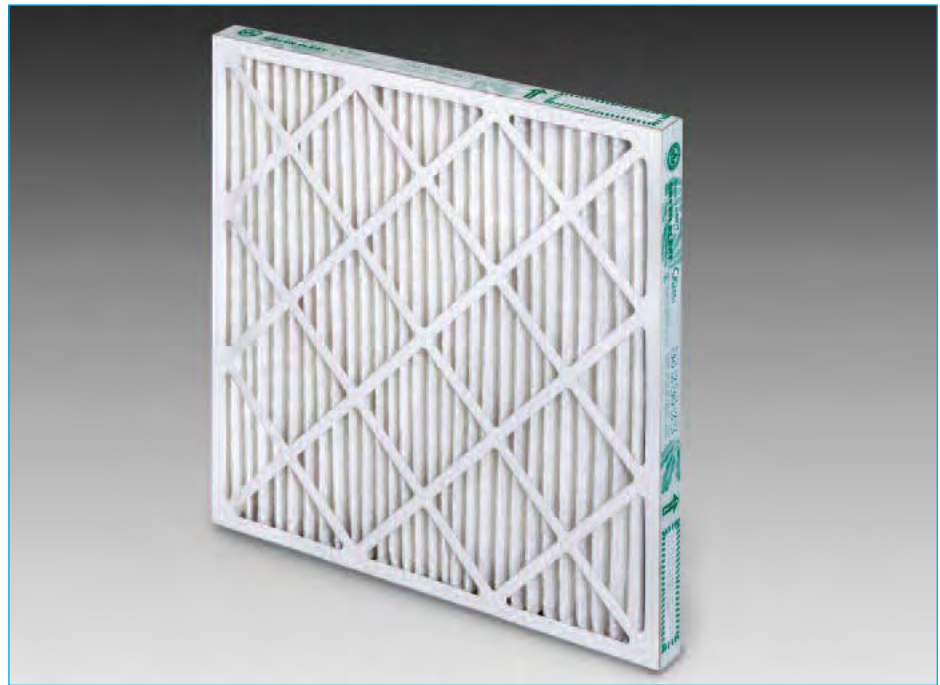
## MERV 13 GREEN PLEAT



- MERV 13 efficiency to meet LEED Green Building Rating System Criteria
- Green Pleat provides points toward LEED certification
- Eliminates need to retrofit to achieve high MERV efficiency
- Low resistance to air flow reduces energy costs



- Sustainable component for a LEED/Green Building initiative
- Exceeds LEED/Green requirement of MERV 13



### DESCRIPTION

The AeroStar® MERV 13 Green Pleat is specifically designed to meet the air filtration efficiency criteria required to gain points toward certification in the Leadership in Energy and Environmental Design (LEEDs) Green Building rating system. Most air filters reaching MERV 13 high efficiency levels require greater depth and retrofitting expense to be installed. The Green Pleat delivers high efficiency in a compact 2" depth design allowing immediate installation with absolutely no modification to existing equipment. Simply replace the existing lower efficiency pleat or disposable air filter with the Green Pleat upgrade the system to the LEEDs required MERV 13 level.

The AeroStar MERV 13 Green Pleat is constructed with an advanced synthetic air media that utilizes both charged fibers and traditional mechanical filtration principles. The charged fibers allow the Green Pleat to achieve MERV 13 levels upon installation and immediately grab and trap airborne contaminants. The resulting dust cake then

enhances the mechanical principles of the filter allowing for high levels of filtration during the entire life-cycle.

### BENEFITS

- Quick and easy installation requires no retrofitting to existing equipment.
- Compact design allows minimum restriction to air flow while providing exceptionally high MERV 13 efficiency.
- Quick and efficient way to achieve points toward LEEDs certification.
- Keep coils, diffusers, ductwork much cleaner while removing pollens and allergens from the occupied space.

### APPLICATIONS

The MERV 13 Green Pleat was designed to meet air filtration efficiency standards set forth in the LEED Programs for Existing Buildings and New Construction, as well as an effective IAQ tool for LEED in Schools.

The MERV 13 Green Pleat can also be used in industrial, commercial, hospital, and universities, or wherever higher efficiency air filtration is desired to remove pollens and allergens.

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## MERV 13 GREEN PLEAT

### DIMENSIONS AND PERFORMANCE DATA

| 24 x 24 x 2 | 375 FPM | 500 FPM | MERV |
|-------------|---------|---------|------|
| Green Pleat | 0.24    | 0.38    | 13   |

### APPLICATION PARAMETERS

Recommended Temperature: 150° F  
 Recommended Final Resistance: 1.0" w.g.  
 Flammability: UL Class 2  
 Frame: 100% Recycled Paperboard

### CFM CAPABILITIES

| SIZE        | PART NO. | MEDIUM | HIGH |
|-------------|----------|--------|------|
| 10 x 20 x 2 | 21515    | 525    | 700  |
| 12 x 24 x 2 | 21516    | 750    | 1000 |
| 14 x 20 x 2 | 21517    | 725    | 975  |
| 14 x 25 x 2 | 21518    | 900    | 1200 |
| 16 x 20 x 2 | 21519    | 825    | 1100 |
| 16 x 24 x 2 | 21520    | 1000   | 1325 |
| 16 x 25 x 2 | 21521    | 1050   | 1400 |
| 18 x 24 x 2 | 21522    | 1125   | 1500 |
| 18 x 25 x 2 | 21523    | 1175   | 1500 |
| 20 x 20 x 2 | 21524    | 1050   | 1400 |
| 20 x 24 x 2 | 21525    | 1250   | 1650 |
| 20 x 25 x 2 | 21526    | 1300   | 1700 |
| 24 x 24 x 2 | 21527    | 1600   | 2000 |
| 25 x 25 x 2 | 21528    | 1625   | 2150 |

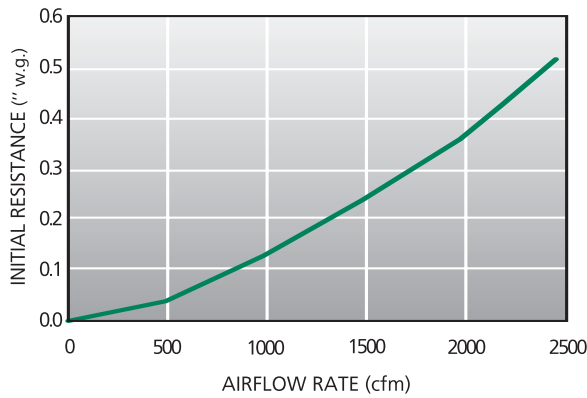
Green Pleat is LEED compliant for efficiency and utilizes a 100% recycled paperboard frame.

MERV 13 rated in a compact design that installs into existing units with no retrofitting required.

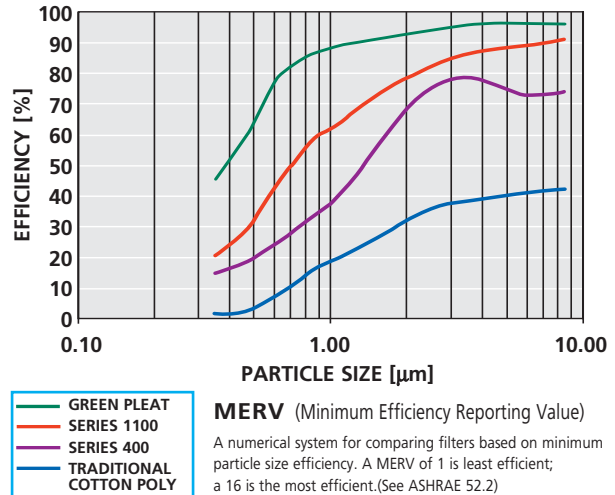
Industrial grade frame and advanced synthetic media assure filter performance during the entire life-cycle.



### INITIAL RESISTANCE



### EFFICIENCY ACCORDING TO ASHRAE 52.2



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