

PRODUCT OVERVIEW

- MERV 11,13,14,15
- 4" high efficiency filter design
- Gradient dual density synthetic media
- Available in box or single header construction, with side gasketing options
- Max Temperature - 150°F
- Ideal for use in:
 - Office and Retail
 - Manufacturing and Distribution
 - Government and Educations Facilities
 - Doctors Offices, Assisted Living Facilities and Hospitals
 - Hotels and Airports



AEROSTAR GEOPLEAT[®]

WHY THE GEOPLEAT?

- Advanced media and pleating technology
 - Very low resistance to air flow resulting in lower energy costs
 - Increased media per filter compared to 4" pleats or even 12" cartridge filters
 - Media lowers pressure drop and extends service life while expanding dust holding capacity
 - Maximum flow rate of 625 fpm
 - Robust media resists tearing and damage and is resistant to moisture and microbial growth
 - Exceeds LEED MERV 13 efficiency requirement and is a sustainable component for LEED Green Building initiative
- Compact rigid filter & lightweight design
 - High impact plastic frame is formed to precise dimensions and impervious to moisture
 - Easy handling, lowers transportation costs, and utilizes less storage space
 - Weighs up to 75% lighter than competitive 12" filters
 - GeoPleat will not warp or collapse under most HVAC harsh environments
 - Completely incinerable
 - Perfect for space constraints, roof-top or anywhere safe filter installation is desired



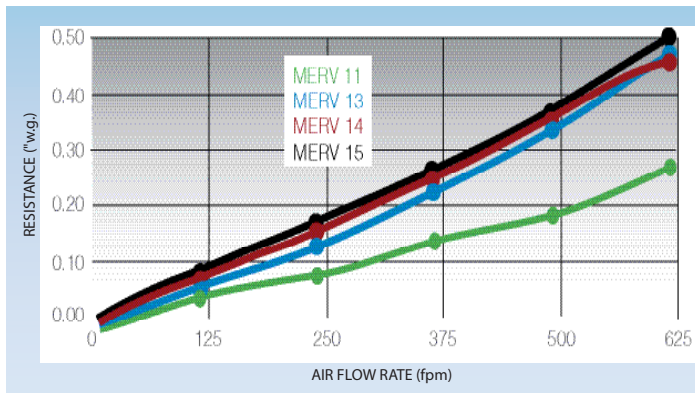
GEOPLEAT®

PERFORMANCE DATA (24 x 24 x 4 - Box Style)

| MERV | INITIAL RESISTANCE ("w.g.) | | | FINAL RESISTANCE ("w.g.) |
|------|----------------------------|---------|---------|--------------------------|
| | 375 fpm | 500 fpm | 625 fpm | |
| 11 | 0.13 | 0.19 | 0.27 | 1.5 |
| 13 | 0.22 | 0.34 | 0.48 | 1.5 |
| 14 | 0.24 | 0.35 | 0.47 | 1.5 |
| 15 | 0.25 | 0.36 | 0.50 | 1.5 |

Products tested and intended for installation with pleats in vertical orientation. First filter dimension corresponds to the vertical dimension

INITIAL RESISTANCE (24 x 24 x 4 - Box Style)



Durable media pack resists damage

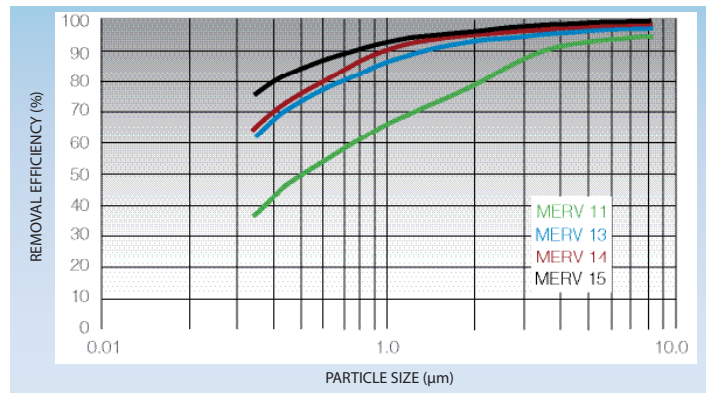


Shown with 2" clip designed to hold an optional pre-filter



Available in both box style and single header design

MINIMUM REMOVAL EFFICIENCY (24 x 24 x 4 - Box Style)



PRODUCT DATA

| SINGLE HEADER PART NUMBER | | | | BOX STYLE PART NUMBER | | | | NOMINAL SIZE* (H" x W" x D") | ACTUAL SIZE (H" x W" x D") |
|---------------------------|---------|---------|---------|-----------------------|---------|---------|---------|------------------------------|----------------------------|
| MERV 11 | MERV 13 | MERV 14 | MERV 15 | MERV 11 | MERV 13 | MERV 14 | MERV 15 | | |
| 21605 | 21613 | 21621 | 728542 | 21629 | 21637 | 21645 | 718542 | 24 x 12 x 4 | 23 3/8 x 11 3/8 x 3 3/4 |
| 21609 | 21617 | 21625 | 728506 | 21633 | 21641 | 21649 | 718506 | 20 x 16 x 4 | 19 3/8 x 15 3/8 x 3 3/4 |
| 21606 | 21614 | 21622 | 728500 | 21630 | 21638 | 21646 | 718500 | 20 x 20 x 4 | 19 3/8 x 19 3/8 x 3 3/4 |
| 21611 | 21619 | 21627 | 728548 | 21635 | 21643 | 21651 | 718548 | 24 x 18 x 4 | 23 3/8 x 17 3/8 x 3 3/4 |
| 21607 | 21615 | 21623 | 728540 | 21631 | 21639 | 21647 | 718540 | 24 x 20 x 4 | 23 3/8 x 19 3/8 x 3 3/4 |
| 21608 | 21616 | 21624 | 728544 | 21632 | 21640 | 21648 | 718544 | 24 x 24 x 4 | 23 3/8 x 23 3/8 x 3 3/4 |
| 21610 | 21618 | 21626 | 728556 | 21634 | 21642 | 21650 | 718556 | 25 x 16 x 4 | 24 3/8 x 15 3/8 x 3 3/4 |
| 21612 | 21620 | 21628 | 728550 | 21636 | 21644 | 21652 | 718550 | 25 x 20 x 4 | 24 3/8 x 19 3/8 x 3 3/4 |

* Contact Customer Care for additional sizes and information.

ENGINEERING SPECIFICATIONS

1.0 General

- Filters shall be Aerostar® GeoPleat mini-pleat air filters as manufactured by Filtration Group.
- Underwriters Laboratories classified to UL 900 and ULC-S111-13.
- Filters shall be available in a nominal depth of 4".
- Filters are manufactured by an ISO 9001 registered company.

2.0 Filter Materials of Construction

- Media shall be 100% synthetic media that does not support microbial growth.
- Frame shall be constructed with high-impact plastic and impervious to moisture and high humidity.
- Media pack shall be adhered to plastic frame on all sides to prevent air by-pass.
- Filter shall have a hot melt bead separator to maintain pleat pack stability and ensure consistent pleat spacing for optimum air flow.

3.0 Filter Performance

- Filters shall be available in MERV 11 for low efficiency, MERV 13 and MERV 14 for medium efficiency, and MERV 15 for high efficiency when tested in accordance with ASHRAE 52.2 Test Standard.
- For initial resistance of filters, see Performance Data chart above.
- Filter shall be rated to withstand a continuous operating temperature up to 150°F
- Filters shall have a maximum recommended final resistance of 1.5" w.g.
- Changing filters at a lower resistance may save operating costs.

