GEOPLEAT®

AEROSTAR®

MERV 11,13,14,15

Ideal for use in
- *Commercial*
- *Industrial*
- *Hospitals/Health Care Facilities*

WHY THE GEOPLEAT?

- Advanced media and pleating technology
  - Very low resistance to air flow resulting in lower energy costs
  - Increased media per filters evens dust loading and expands dust holding capacity while lowering pressure drop and extended service life
  - 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 initative
- 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

Filtration Group

HVAC

GEOPLEAT

AEROSTAR®

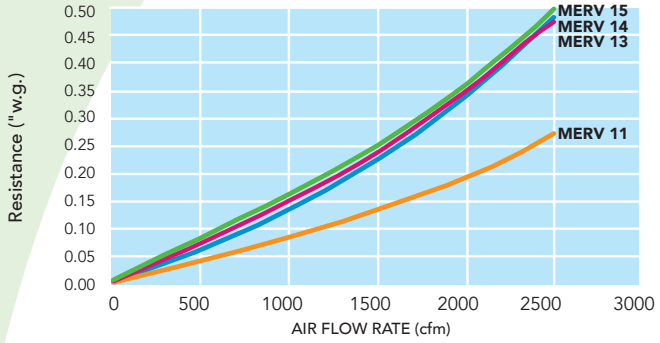
PERFORMANCE DATA (24 X 24 X 4 – BOX STYLE)

	MERV 11	MERV 13	MERV 14	MERV 15
Air Flow (cfm)	1500 **2000** 2500	1500 **2000** 2500	1500 **2000** 2500	1500 **2000** 2500
Initial Pressure Drop ("w.g.)	0.13 **0.19** 0.27	0..22 **0.34** 0.48	0.24 **0.35** 0.47	0.25 **0.36** 0.50

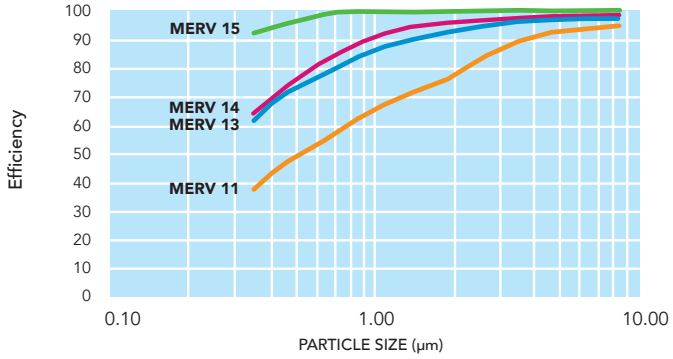
GEOPLEAT DIMENSIONS

SINGLE HEADER				BOX STYLE					
PART. NO. MERV 11	PART. NO. MERV 13	PART. NO. MERV 14	PART. NO. MERV 15	PART. NO. MERV 11	PART. NO. MERV 13	PART. NO. MERV 14	PART. NO. MERV 15	SIZE	NOMINAL SIZE
21605	21613	21621	728542	21629	21637	21645	718542	24 x 12 x 4	23 ⅜ x 11 ⅜ x 3 ¾
21609	21617	21625	728506	21633	21641	21649	718506	20 x 16 x 4	19 ⅜ x 15 ⅜ x 3 ¾
21606	21614	21622	728500	21630	21638	21646	718500	20 x 20 x 4	19 ⅜ x 19 ⅜ x 3 ¾
21611	21619	21627	728548	21635	21643	21651	718548	24 x 18 x 4	23 ⅜ x 17 ⅜ x 3 ¾
21607	21615	21623	728540	21631	21639	21647	718540	24 x 20 x 4	23 ⅜ x 19 ⅜ x 3 ¾
21608	21616	21624	728544	21632	21640	21648	718544	24 x 24 x 4	23 ⅜ x 23 ⅜ x 3 ¾
21610	21618	21626	728556	21634	21642	21650	718556	25 x 16 x 4	24 ⅜ x 15 ⅜ x 3 ¾
21612	21620	21628	728550	21636	21644	21652	718550	25 x 20 x 4	24 ⅜ x 19 ⅜ x 3 ¾

INITIAL RESISTANCE (24 X 24 X 4 – BOX STYLE)



EFFICIENCY PER ASHRAE 52.2 (24 X 24 X 4 – BOX STYLE)



GEOPLEAT ENGINEERING SPECIFICATIONS

1.0 General

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

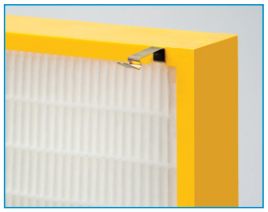
2.0 Filter Material of Construction

2.1 Media shall be 100% synthetic gradient dual density media that does not support microbial growth.
2.2 Frame shall be constructed with high-impact plastic and impervious to moisture and high humidity.
2.3 Media pack shall be adhered to plastic frame on all sides to prevent air by-pass.
2.4 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

3.1 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 52.2-2012 Test Standard.
3.2 For initial resistance of filters, see Performance Data chart above.
3.3 Filters shall be rated to withstand a continuous operating temperature of up to 150°F.
3.4 Filters shall have a max recommended final resistance of 1.5" w.g.
3.5 Changing filters at a lower resistance may save operating costs.

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

Filtration Group

HVAC

Phone: 877-344-8326 • Fax: 800-518-1162
www.filtrationgroup.com
e-mail: aerostar@filtrationgroup.com
ISO 9001 Registered Company