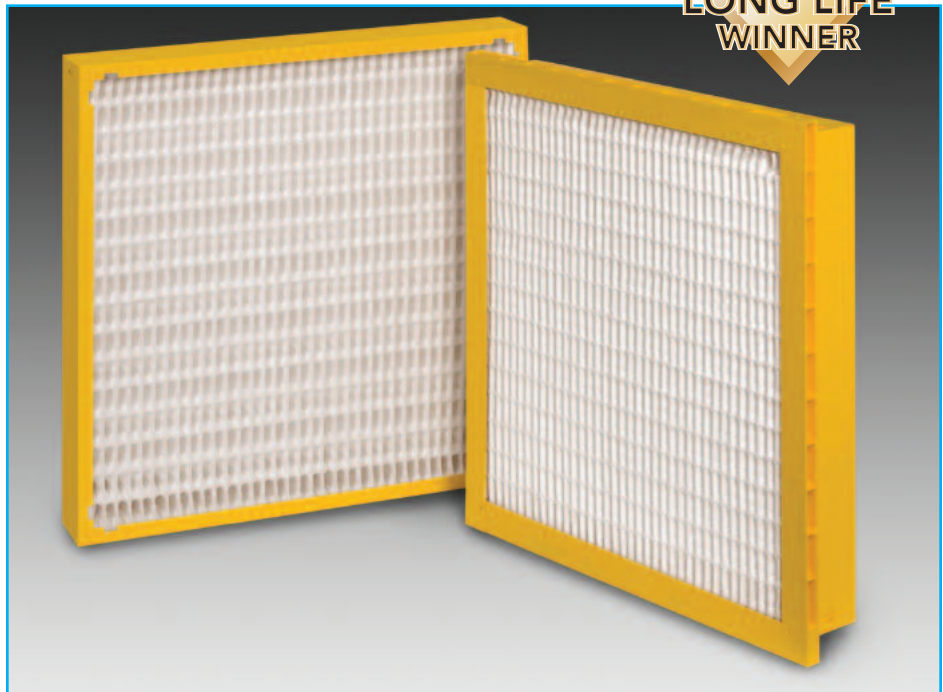


DAFCO FILTRATION GROUP®

GEOPLEAT



- Advanced pleat geometry for even dust loading and maximum service life
- Patented filter technology
- High impact plastic frame for harsh environments
- Very low resistance to air-flow results in lower energy costs
- UL 900 Class 2
- Robust filter media resists tearing or damage
- Compact design saves shipping and storage space
- Completely incinerable
- Sustainable component for a LEED/Green Building initiative
- Exceeds LEED/Green requirement of MERV 13



DESCRIPTION

The GeoPleat combines advanced pleating technology and durable performance in a high impact plastic frame. The GeoPleat will stand up to nearly any HVAC installation and will not warp or collapse over time.

The GeoPleat filter utilizes a thermal embossing pleating and glue bead media separation technique, creating a three-dimensional pleat in the media. The patented method of pleating and spacing allows the air stream to gently transition into the media, distributing the air evenly throughout the depth of the media.

The media pack of the GeoPleat filter is adhesively bonded on all four sides of the filter frame, eliminating the possibility of air bypass around the filter media.

BENEFITS

LOW AIR FLOW RESISTANCE The GeoPleat's patented pleating design creates the lowest pressure drop available in a compact rigid box filter. The low pressure drop leads to considerable energy savings in most HVAC systems.

LONGER FILTER LIFE The ideal v-shape of the GeoPleat's media enables complete media utilization. The media loads evenly throughout the depth of the pleats maximizing the life of the filter.

RUGGED CONSTRUCTION The GeoPleat filter uses a high impact plastic frame, creating an extremely strong filter designed to be used in tough HVAC environments.

LIGHTWEIGHT The GeoPleat is extremely light weight, allowing for easier transportation, installation and removal. Specifically recommended for applications with space constraints or roof-top air handling units.

ROBUST MEDIA The GeoPleat media is extremely durable and tremendously resistant to tears and punctures. The rigid pack design requires no upstream or downstream grids to protect it from damage. The media is also resistant to moisture and microbial growth.

DIMENSIONS

PART NUMBER (SINGLE HEADER)	SIZE	ACTUAL FILTER DIMENSIONS (H x W x D)	APPROX. WEIGHT POUNDS
21608 – MERV 11	24 x 24 x 4	23 3/8 x 23 3/8 x 3 3/4	4
21616 – MERV 13	24 x 24 x 4	23 3/8 x 23 3/8 x 3 3/4	4
21624 – MERV 14	24 x 24 x 4	23 3/8 x 23 3/8 x 3 3/4	4

PART NUMBER (BOX STYLE)	SIZE	ACTUAL FILTER DIMENSIONS (H x W x D)	APPROX. WEIGHT POUNDS
21632 – MERV 11	24 x 24 x 4	23 3/8 x 23 3/8 x 3 3/4	4
21642 – MERV 13	24 x 24 x 4	23 3/8 x 23 3/8 x 3 3/4	4
21648 – MERV 14	24 x 24 x 4	23 3/8 x 23 3/8 x 3 3/4	4



Durable media pack
resists damage

PERFORMANCE DATA
 (24x24x4 – BOX STYLE)

	MERV 11			MERV 13			MERV 14		
Air Flow (cfm)	1500	2000	2500	1500	2000	2500	1500	2000	2500
Initial Pressure Drop ("w.g.)	0.17	0.27	0.39	0.30	0.46	0.63	0.32	0.48	0.65
Comparable Atmospheric Efficiency (ASHRAE 52.1) @ 2000 cfm*	60-65%			80-90%			90-95%		

*Reference ASHRAE 52.2 - 2007



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

**APPLICATION
PARAMETERS**

Temperature Resistance:

Continuous — 150° F

Peaks — 175° F

Flammability:

UL 900 Class 2

Media:

Synthetic

Frame:

High Impact Plastic

Relative Humidity:

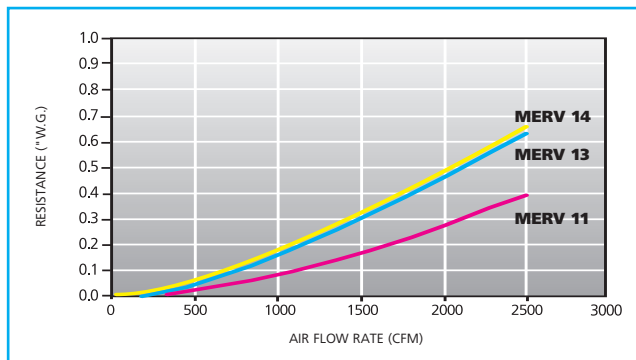
100%

Recommended

Final Resistance:

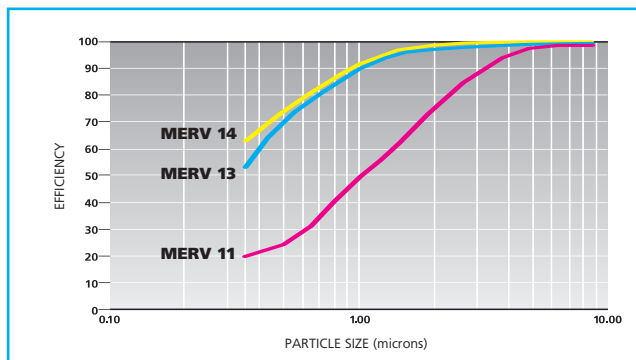
1.5" w.g.

INITIAL RESISTANCE
 (24x24x4 – BOX STYLE)



Available in both box style and
single header design

EFFICIENCY PER ASHRAE 52.2
 (24x24x4 – BOX STYLE)



Advanced pleating geometry
minimizes resistance to air flow

