

FILTRATION GROUP GEOPLEAT™



- Advanced pleat geometry for even dust loading and maximum service life
- Patented filter technology
- Very low resistance to air-flow results in lower energy costs
- UL Class 2
- Robust filter media resists tearing or damage
- Compact design saves shipping and storage space
- Lightweight—easily disposed

DESCRIPTION

The new GeoPleat filter has been developed to provide a high level of filtration in a wide variety of applications. The GeoPleat filter utilizes a thermal embossing pleating and glue bead media separation techniques, which created a three-dimensional pleat in the media. This 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, for a given efficiency, available in rigid box filters. The low pressure drop of the GeoPleat 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.

No Aluminum Separators—The GeoPleat filters use a glue bead pleat separation technique, instead of corrugated aluminum separators. The glue bead is completely adhered to the media and has no sharp edges, eliminating the threat of damage to the filter media during shipping, handling and installation.

Lightweight—The extreme light weight of the GeoPleat filter makes it much easier on the installer to transport, install and remove the filter, especially in applications with space constraints or roof-top air handling units.

Robust Media—The filtration media utilized in the GeoPleat filter is tremendously resistant to tears and punctures. The rigid pleat pack requires no upstream or downstream grids to protect the media from damage. The media is also resistant to moisture and microbial growth.

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FLORENCE FILTER CORPORATION

"Over 35 Years of Filter Excellence"

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DIMENSIONS

MODEL NUMBER	SIZE	ACTUAL FILTER DIMENSIONS (H x W x D)	APPROX. WEIGHT POUNDS
GP4-24	24 x 24 x 4	23 3/8 x 23 3/8 x 3 3/4	5

PERFORMANCE DATA

GP4-24	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 - 1999 Table E1

APPLICATION PARAMETERS

Temperature Resistance:
Continuous-150° F; Peaks-175° F

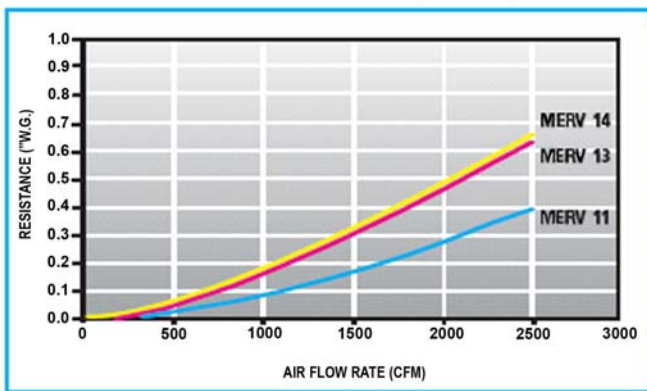
Flammability:
UL 900 Class 2
UL 900 Class 1 (consult factory)

Media:
Synthetic

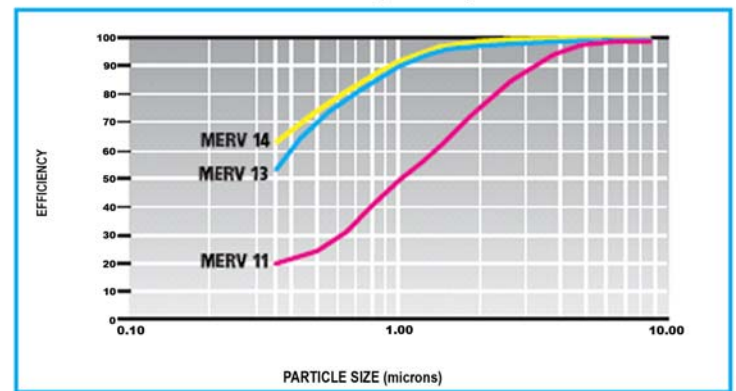
Relative humidity:
100%

Recommended Final Resistance:
1.5" w.g.

INITIAL RESISTANCE TO AIR FLOW (GP4-24)



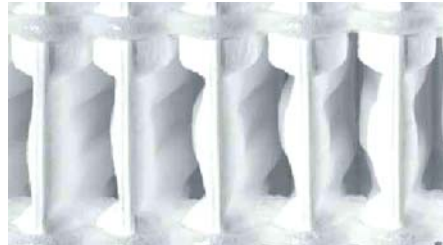
EFFICIENCY PER ASHRAE 52.2 (GP4-24)



Durable media pack resists damage



Advanced pleating geometry minimizes resistance to air flow



Built in handle eases transportation and handling



Compact design minimizes storage space



Protective packaging protects filter until installation



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