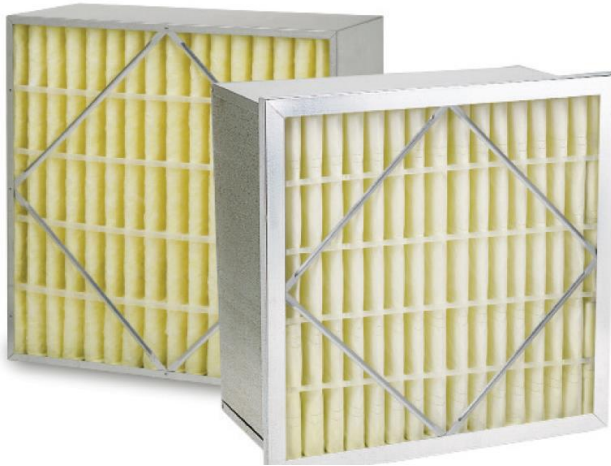


RIGID CELL FILTER



WHY THE RIGID CELL FILTER?

Extended surface, medium to high efficiency filter

Used in both side access and built-up filter bank

Replaces traditional pocket filters where rigid format prevents unloading in variable air volume systems

Can be used as a pre-filter for higher efficiency applications or as a final filter in situations that requires high level of efficiency and cleanliness

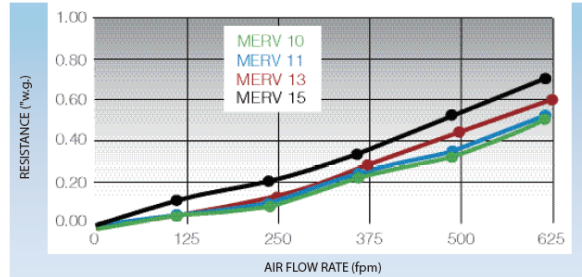
- Extremely rigid constructed filter with
 - Galvanized steel frame
 - Diagonal support bracing
 - Moisture resistant media
 - Contour stabilizers
 - Metal support grid adhered to the media eliminates media oscillation and media pull-away
 - Media is adhesively bonded to all four sides of the frame to eliminate air by-pass

SYNTHETIC PERFORMANCE DATA (24x24x12)

MERV	EFFICIENCY	INITIAL RESISTANCE ("w.g.) †				FINAL RESISTANCE ("w.g.)
		250 fpm	375 fpm	500 fpm	625 fpm	
10	40-45%	0.11	0.21	0.33	0.48	1.5
11	60-65%	0.12	0.22	0.36	0.53	1.5
13	80-85%	0.16	0.27	0.42	0.60	1.5
15	90-95%	0.20	0.33	0.49	0.69	1.5

† Initial Resistance is based on Box style filters.

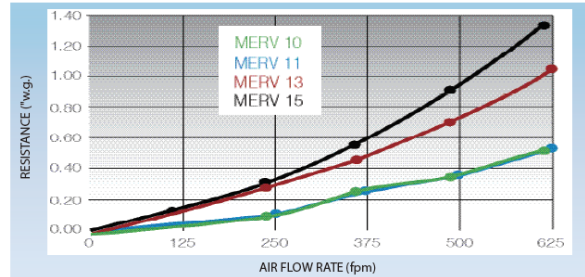
SYNTHETIC – INITIAL RESISTANCE (24 x 24 x 12)



FIBERGLASS PERFORMANCE DATA (24x24x12)

MERV	EFFICIENCY	INITIAL RESISTANCE ("w.g.) †				FINAL RESISTANCE ("w.g.)
		250 fpm	375 fpm	500 fpm	625 fpm	
10	40-45%	0.12	0.23	0.37	0.52	1.5
11	60-65%	0.13	0.25	0.39	0.56	1.5
13	80-85%	0.26	0.45	0.71	1.04	1.5
15	90-95%	0.31	0.57	0.91	1.37	1.5

FIBERGLASS – INITIAL RESISTANCE (24 x 24 x 12)



PRODUCT DATA - SYNTHETIC

MERV 10 (40-45%)		MERV 11 (60-65%)		MERV 13 (80-85%)		MERV 15 (90-95%)		NOMINAL SIZE (H" x W" x D")	ACTUAL SIZE (H" x W" x D")
BOX* STYLE PART NO.	SINGLE* HEADER PART NO.	BOX* STYLE PART NO.	SINGLE* HEADER PART NO.	BOX* STYLE PART NO.	SINGLE* HEADER PART NO.	BOX* STYLE PART NO.	SINGLE* HEADER PART NO.		
14938	16452	14930	16444	14922	16436	14914	16428	24 x 12 x 6	23 3/8 x 11 3/8 x 5 3/4
14939	16453	14931	16445	14923	16437	14915	16429	20 x 20 x 6	19 3/8 x 19 3/8 x 5 3/4
14940	16454	14932	16446	14924	16438	14916	16430	24 x 20 x 6	24 3/8 x 19 3/8 x 5 3/4
14941	16455	14933	16447	14925	16439	14917	16431	24 x 24 x 6	23 3/8 x 23 3/8 x 5 3/4
14942	16456	14934	16448	14926	16440	14918	16432	24 x 12 x 12	23 3/8 x 11 3/8 x 11 3/4
14943	16457	14935	16449	14927	16441	14919	16433	20 x 20 x 12	19 3/8 x 19 3/8 x 11 3/4
14944	16458	14936	16450	14928	16442	14920	16434	24 x 20 x 12	24 3/8 x 19 3/8 x 11 3/4
14945	16459	14937	16451	14929	16443	14921	16435	24 x 24 x 12	23 3/8 x 23 3/8 x 11 3/4

PRODUCT DATA - FIBERGLASS

MERV 10 (40-45%)		MERV 11 (60-65%)		MERV 13 (80-85%)		MERV 15 (90-95%)		NOMINAL SIZE (H" x W" x D")	ACTUAL SIZE (H" x W" x D")
BOX* STYLE PART NO.	SINGLE* HEADER PART NO.	BOX* STYLE PART NO.	SINGLE* HEADER PART NO.	BOX* STYLE PART NO.	SINGLE* HEADER PART NO.	BOX* STYLE PART NO.	SINGLE* HEADER PART NO.		
14970	14970	14962	16412	14954	16404	14946	16396	24 x 12 x 6	23 3/8 x 11 3/8 x 5 3/4
14971	14971	14963	16413	14955	16405	14947	16397	20 x 20 x 6	19 3/8 x 19 3/8 x 5 3/4
14972	14972	14964	16414	14956	16406	14948	16398	24 x 20 x 6	24 3/8 x 19 3/8 x 5 3/4
14973	14973	14965	16415	14957	16407	14949	16399	24 x 24 x 6	23 3/8 x 23 3/8 x 5 3/4
14974	14974	14966	16416	14958	16408	14950	16400	24 x 12 x 12	23 3/8 x 11 3/8 x 11 3/4
14975	14975	14967	16417	14959	16409	14951	16401	20 x 20 x 12	19 3/8 x 19 3/8 x 11 3/4
14976	14976	14968	16418	14960	16410	14952	16402	24 x 20 x 12	24 3/8 x 19 3/8 x 11 3/4
14977	14977	14969	16419	14961	16411	14953	16403	24 x 24 x 12	23 3/8 x 23 3/8 x 11 3/4

ENGINEERING SPECIFICATIONS

1.0 General

- Filters shall be Synthetic or Fiberglass Rigid Cell extended surface pleated air filters as manufactured by Filtration Group.
- Filters shall be available in 3 efficiency levels with a depth of 5.75" and 11.75".
- Underwriters Laboratories classified to UL 900.
- Filters are manufactured by an ISO 9001 registered company.

2.0 Filter Materials of Construction

- Media shall be synthetic or fiberglass that does not support microbial growth.
- Media shall be adhered to a metal grid to reduce fluttering during use.
- Media shall be adhered to plastic separators designed to maintain filter configuration during life.

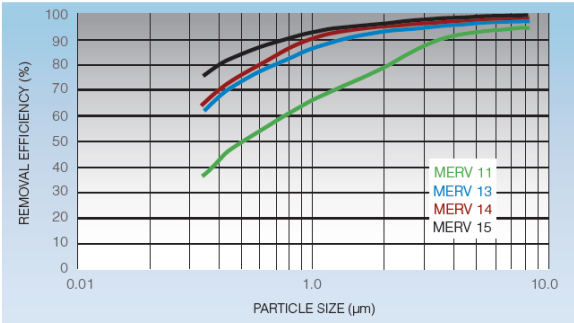
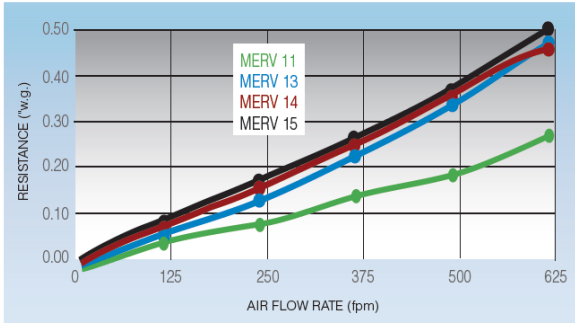
- Media shall be bonded to frame on all sides eliminating by-pass.
- Frame shall be made fully of 26 ga. Galvanized steel.

3.0 Filter Performance

- Synthetic and Fiberglass filters shall be available in MERV 10, 11, 13 and 15 when tested in accordance with ASHRAE 52.2 Test Standards.
- MERV 13 and 15 versions provide points to meet LEED certification.
- Filters shall have a recommended final resistance of 1.5" w.g.



- 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



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