



[PURACELL™ II M & MH]

Mini-Pleat Series

> FEATURES

The Glasfloss Puracell II M & MH Mini-Pleat Series is designed for use in applications where a high degree of efficiency is required in a 4" filter. The Puracell II M & MH Series combines state-of-the-art mini-pleat construction techniques with superior reliability to offer maximum value for commercial and industrial applications. Additionally, the Puracell II M & MH offers unique advantages over the traditional 12" rigid box filter including lower freight costs, reduced storage area requirements and less impact on landfills. The Glasfloss Puracell II M & MH comes in a variety of sizes and efficiencies.

> CONSTRUCTION

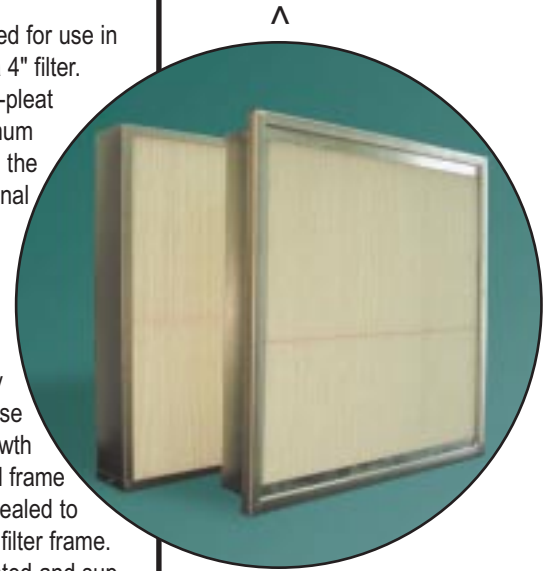
Puracell II M & MH filters are manufactured with high efficiency microfiber media, which contains a water repellent binder. These unique fibers are moisture resistant and do not support the growth of bacteria or mold. A heavy-duty 26 gauge galvanized metal frame shall encapsulate the media pack. The entire media pack is sealed to prevent air bypass. An optional gasket can be applied to the filter frame. The high efficiency media of the Puracell II M & MH is separated and supported by uniform glue beads, which maximize the filtration area and reduce air flow restriction.

> APPLICATIONS

The Glasfloss Puracell II M & MH Series is designed for use where a high degree of cleanliness is required and contaminants must be removed to protect life, products and/or building interiors. The Puracell II M & MH Series is used in a variety of applications such as: hospitals, office buildings, manufacturing plants, microelectronic component assembly and food processing.

> OPTIONS

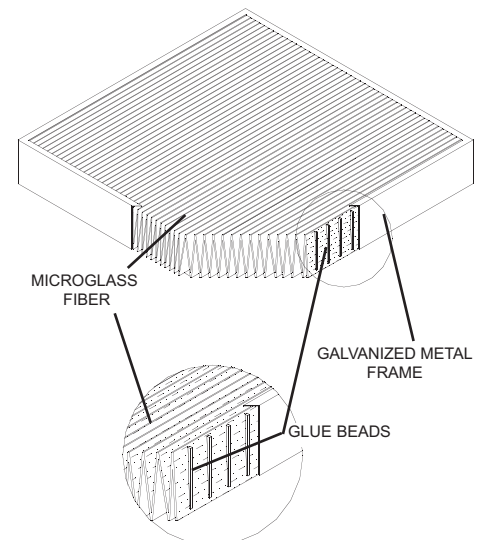
As an option, the Glasfloss Puracell II M & MH can have gasketing on either Air Entry, Air Leaving or both. A metal face guard is also available.



- Compact Design for Maximum Air Flow
- Three Efficiencies Available
- Standard and Special Sizes
- Media Will Not Support Microbial Growth

> SPECIFICATIONS

The Glasfloss Puracell II M & MH filter is a mini-pleat cartridge encapsulated with a heavy-duty 26 gauge galvanized metal frame. An optional gasket can be applied to the filter frame. The galvanized metal frame is riveted together to form a rigid frame. The Puracell II M & MH pack is pleated, wet laid microglass fiber media. The pleats are separated and supported by a uniform glue bead that produces a low initial pressure drop while maximizing the filtration area. The media pack is resistant to moisture and does not support the growth of bacteria and mold. The media pack is thoroughly sealed to the inside of the metal frame to prevent air bypass. The filter shall be rated to withstand temperatures up to 180 degrees Fahrenheit. The recommended final resistance for Puracell II M & MH filters is 1.5" w.g.



Efficiency	60-65%	80-85%	90-95%
MERV	11	13	14

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PURACELL II M & MH

Mini-Pleat Series

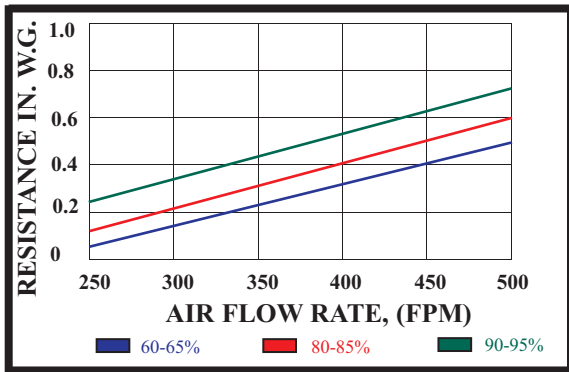
PURACELL II M & MH SERIES

BASE MODEL NUMBER	SIZE W x H x D NOMINAL	SIZE W x H x D EXACT	RATED VELOCITY FPM	INITIAL RESIST. IN. W.G.		FINAL RESIST. IN. W.G.	MEDIA SQUARE FEET		SIZE W x H x D NOMINAL MM
				M	MH		M	MH	
90-95% Efficiency - MERV 14									
242443	24 x 24 x 4	23-3/8" x 23-3/8" x 3-3/4"	500	.68	.71	1.50	122.96	102.12	610 x 610 x 102
202543	20 x 25 x 4	19-3/8" x 24-3/8" x 3-3/4"	500	.68	.71	1.50	105.37	86.00	508 x 635 x 102
202443	20 x 24 x 4	19-3/8" x 23-3/8" x 3-3/4"	500	.68	.71	1.50	101.05	82.14	508 x 610 x 102
202043	20 x 20 x 4	19-3/8" x 19-3/8" x 3-3/4"	500	.68	.71	1.50	83.76	66.73	508 x 508 x 102
182443	18 x 24 x 4	17-3/8" x 23-3/8" x 3-3/4"	500	.68	.71	1.50	91.31	68.38	457 x 610 x 102
162543	16 x 25 x 4	15-3/8" x 24-3/8" x 3-3/4"	500	.68	.71	1.50	83.79	61.82	406 x 635 x 102
162043	16 x 20 x 4	15-3/8" x 19-3/8" x 3-3/4"	500	.68	.71	1.50	66.60	47.97	406 x 508 x 102
122443	12 x 24 x 4	11-3/8" x 23-3/8" x 3-3/4"	500	.68	.71	1.50	59.65	44.40	305 x 610 x 102
80-85% Efficiency - MERV 13									
242442	24 x 24 x 4	23-3/8" x 23-3/8" x 3-3/4"	500	.60	.63	1.50	118.09	97.68	610 x 610 x 102
202542	20 x 25 x 4	19-3/8" x 24-3/8" x 3-3/4"	500	.60	.63	1.50	101.56	83.67	508 x 635 x 102
202442	20 x 24 x 4	19-3/8" x 23-3/8" x 3-3/4"	500	.60	.63	1.50	97.40	79.92	508 x 610 x 102
202042	20 x 20 x 4	19-3/8" x 19-3/8" x 3-3/4"	500	.60	.63	1.50	80.73	64.92	508 x 508 x 102
182442	18 x 24 x 4	17-3/8" x 23-3/8" x 3-3/4"	500	.60	.63	1.50	87.66	66.31	457 x 610 x 102
162542	16 x 25 x 4	15-3/8" x 24-3/8" x 3-3/4"	500	.60	.63	1.50	81.25	59.65	406 x 635 x 102
162042	16 x 20 x 4	15-3/8" x 19-3/8" x 3-3/4"	500	.60	.63	1.50	64.58	46.29	406 x 508 x 102
122442	12 x 24 x 4	11-3/8" x 23-3/8" x 3-3/4"	500	.60	.63	1.50	57.22	43.29	305 x 610 x 102
60-65% Efficiency - MERV 11									
242441	24 x 24 x 4	23-3/8" x 23-3/8" x 3-3/4"	500	.48	.51	1.50	118.09	97.68	610 x 610 x 102
202541	20 x 25 x 4	19-3/8" x 24-3/8" x 3-3/4"	500	.48	.51	1.50	101.56	83.67	508 x 635 x 102
202441	20 x 24 x 4	19-3/8" x 23-3/8" x 3-3/4"	500	.48	.51	1.50	97.40	79.92	508 x 610 x 102
202041	20 x 20 x 4	19-3/8" x 19-3/8" x 3-3/4"	500	.48	.51	1.50	80.73	64.92	508 x 508 x 102
182441	18 x 24 x 4	17-3/8" x 23-3/8" x 3-3/4"	500	.48	.51	1.50	87.66	66.31	457 x 610 x 102
162541	16 x 25 x 4	15-3/8" x 24-3/8" x 3-3/4"	500	.48	.51	1.50	81.25	59.65	406 x 635 x 102
162041	16 x 20 x 4	15-3/8" x 19-3/8" x 3-3/4"	500	.48	.51	1.50	64.58	46.29	406 x 508 x 102
122441	12 x 24 x 4	11-3/8" x 23-3/8" x 3-3/4"	500	.48	.51	1.50	57.22	43.29	305 x 610 x 102

Tolerances shall be +/- 1/8" for height, width and +/- 1/16" for depth. Performance values based on ASHRAE and in-house testing methods.

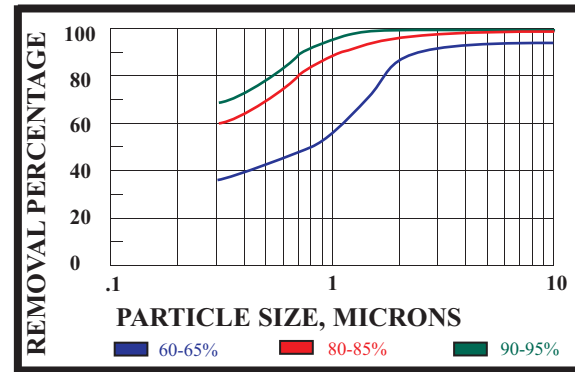
STANDARD PRESSURE DROP

Test Filter Size 24" x 24" x 4" Nominal Box



MINIMUM PARTICLE SIZE EFFICIENCY

Test Filter Size 24" x 24" x 4" Nominal



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