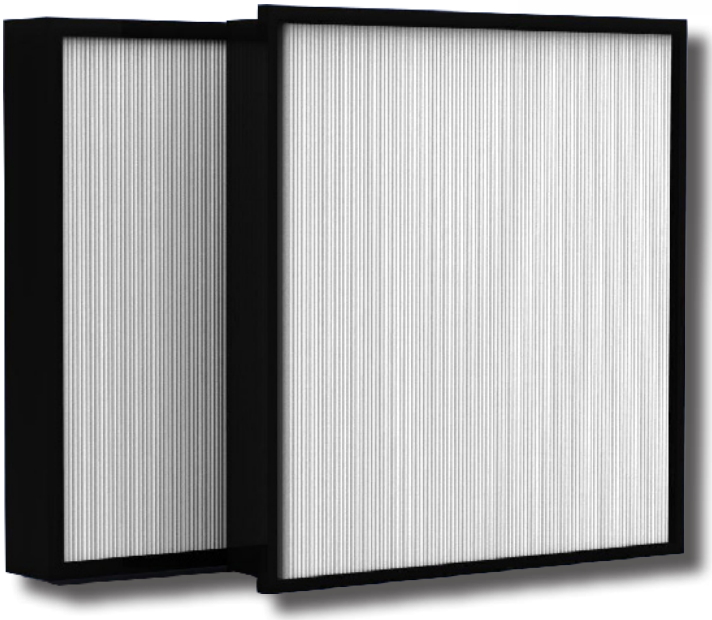
Glasfloss®
Excellence in Air Filtration Since 1936
Employee-Owned & Operated

Glasfloss Industries 90th Anniversary 1936-2026

PURACELL® II P & PH
Mini-Pleat Series



Product Highlights

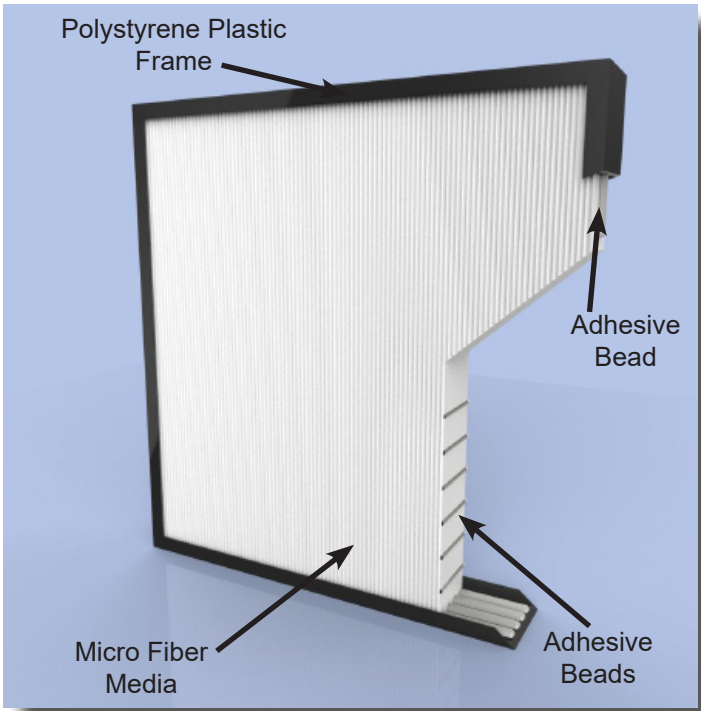
- Compact Design for Maximum Air Flow
- Lightweight High-Impact Polystyrene Plastic Frame Construction
- Box and Header Style Frames
- MERV 11, 13, 14 and 15
- Media Will Not Support Microbial Growth

Features

The Glasfloss Puracell II P & PH 4" Plastic Frame Mini-Pleat Series is designed for use in applications where a high degree of efficiency is required in a 4" deep filter. The Puracell II P & PH 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 P & PH Series 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 P & PH comes in a variety of standard sizes and efficiencies.

Specifications

The Glasfloss Puracell II P & PH filter is a mini-pleat cartridge encapsulated with a high impact polystyrene plastic frame. An optional gasket can be applied to the filter frame. The Puracell II P & PH pack is pleated, wet laid micro 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 plastic 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 P & PH filters is 1.5" w.g.



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PURACELL® II P & PH 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 FOOT		SIZE W x H x D NOMINAL MM
					P		PH					
MERV 14	MERV 15				MERV 15	MERV 14	MERV 15	MERV 14		P	PH	
MERV 15 / MERV 14												
242449	242443	24 x 24 x 4	23-3/8" x 23-3/8" x 3-3/4"	500	0.66	0.61	0.77	0.72	1.50	122.96	102.12	610 x 610 x 102
*202549	*202543	20 x 25 x 4	19-3/8" x 24-3/8" x 3-3/4"	500	0.66	0.61	0.77	0.72	1.50	105.37	86.00	508 x 635 x 102
202449	202443	20 x 24 x 4	19-3/8" x 23-3/8" x 3-3/4"	500	0.66	0.61	0.77	0.72	1.50	101.05	82.14	508 x 610 x 102
202049	202043	20 x 20 x 4	19-3/8" x 19-3/8" x 3-3/4"	500	0.66	0.61	0.77	0.72	1.50	83.76	66.73	508 x 508 x 102
182449	182443	18 x 24 x 4	17-3/8" x 23-3/8" x 3-3/4"	500	0.66	0.61	0.77	0.72	1.50	91.31	68.38	457 x 610 x 102
162549	162543	16 x 25 x 4	15-3/8" x 24-3/8" x 3-3/4"	500	0.66	0.61	0.77	0.72	1.50	83.79	61.82	406 x 635 x 102
162049	162043	16 x 20 x 4	15-3/8" x 19-3/8" x 3-3/4"	500	0.66	0.61	0.77	0.72	1.50	66.60	47.97	406 x 508 x 102
122449	122443	12 x 24 x 4	11-3/8" x 23-3/8" x 3-3/4"	500	0.66	0.61	0.77	0.72	1.50	59.65	44.40	305 x 610 x 102
182549	182543	18 x 25 x 4	17-3/8" x 24-3/8" x 3-3/4"	500	0.66	0.61	0.77	0.72	1.50	94.42	78.85	457 x 635 x 102
182049	182043	18 x 20 x 4	17-3/8" x 19-3/8" x 3-3/4"	500	0.66	0.61	0.77	0.72	1.50	74.81	62.47	457 x 508 x 102
181849	181843	18 x 18 x 4	17-3/8" x 17-3/8" x 3-3/4"	500	0.66	0.61	0.77	0.72	1.50	67.55	56.40	457 x 457 x 102
162449	162443	16 x 24 x 4	15-3/8" x 23-3/8" x 3-3/4"	500	0.66	0.61	0.77	0.72	1.50	80.26	67.02	406 x 610 x 102
161649	161643	16 x 16 x 4	15-3/8" x 15-3/8" x 3-3/4"	500	0.66	0.61	0.77	0.72	1.50	52.65	43.97	406 x 406 x 102
122049	122043	12 x 20 x 4	11-3/8" x 19-3/8" x 3-3/4"	500	0.66	0.61	0.77	0.72	1.50	48.79	40.74	305 x 508 x 102
121649	121643	12 x 16 x 4	11-3/8" x 15-3/8" x 3-3/4"	500	0.66	0.61	0.77	0.72	1.50	38.84	32.43	305 x 406 x 102
121249	121243	12 x 12 x 4	11-3/8" x 11-3/8" x 3-3/4"	500	0.66	0.61	0.77	0.72	1.50	28.42	23.73	305 x 305 x 102

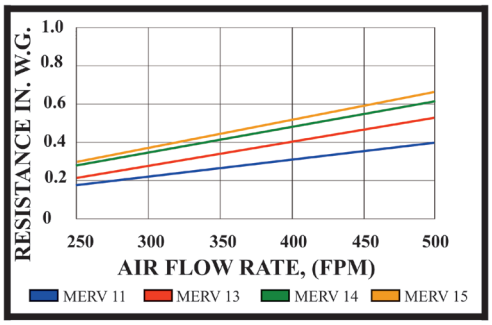
BASE MODEL NUMBER		SIZE W x H x D NOMINAL	SIZE W x H x D EXACT	RATED VELOCITY FPM	INITIAL RESIST. IN. W.G.				FINAL RESIST. IN W.G.	MEDIA SQUARE FOOT		SIZE W x H x D NOMINAL MM
					P		PH					
MERV 13	MERV 11				MERV 13	MERV 11	MERV 13	MERV 11		P	PH	
MERV 13 / MERV 11												
242442	242441	24 x 24 x 4	23-3/8" x 23-3/8" x 3-3/4"	500	0.53	0.40	0.64	0.52	1.50	118.09	97.68	610 x 610 x 102
*202542	*202541	20 x 25 x 4	19-3/8" x 24-3/8" x 3-3/4"	500	0.53	0.40	0.64	0.52	1.50	101.56	83.67	508 x 635 x 102
202442	202441	20 x 24 x 4	19-3/8" x 23-3/8" x 3-3/4"	500	0.53	0.40	0.64	0.52	1.50	97.40	79.92	508 x 610 x 102
202042	202041	20 x 20 x 4	19-3/8" x 19-3/8" x 3-3/4"	500	0.53	0.40	0.64	0.52	1.50	80.73	64.92	508 x 508 x 102
182442	182441	18 x 24 x 4	17-3/8" x 23-3/8" x 3-3/4"	500	0.53	0.40	0.64	0.52	1.50	87.66	66.31	457 x 610 x 102
162542	162541	16 x 25 x 4	15-3/8" x 24-3/8" x 3-3/4"	500	0.53	0.40	0.64	0.52	1.50	81.25	59.65	406 x 635 x 102
162042	162041	16 x 20 x 4	15-3/8" x 19-3/8" x 3-3/4"	500	0.53	0.40	0.64	0.52	1.50	64.58	46.29	406 x 508 x 102
122442	122441	12 x 24 x 4	11-3/8" x 23-3/8" x 3-3/4"	500	0.53	0.40	0.64	0.52	1.50	57.22	43.29	305 x 610 x 102
182542	182541	18 x 25 x 4	17-3/8" x 24-3/8" x 3-3/4"	500	0.53	0.40	0.64	0.52	1.50	91.51	76.72	610 x 610 x 102
182042	182041	18 x 20 x 4	17-3/8" x 19-3/8" x 3-3/4"	500	0.53	0.40	0.64	0.52	1.50	72.63	60.65	508 x 635 x 102
181842	181841	18 x 18 x 4	17-3/8" x 17-3/8" x 3-3/4"	500	0.53	0.40	0.64	0.52	1.50	65.37	54.59	508 x 610 x 102
162442	162441	16 x 24 x 4	15-3/8" x 23-3/8" x 3-3/4"	500	0.53	0.40	0.64	0.52	1.50	77.69	64.88	508 x 508 x 102
161642	161641	16 x 16 x 4	15-3/8" x 15-3/8" x 3-3/4"	500	0.53	0.40	0.64	0.52	1.50	50.72	42.36	457 x 610 x 102
122042	122041	12 x 20 x 4	11-3/8" x 19-3/8" x 3-3/4"	500	0.53	0.40	0.64	0.52	1.50	47.37	39.55	406 x 635 x 102
121642	121641	12 x 16 x 4	11-3/8" x 15-3/8" x 3-3/4"	500	0.53	0.40	0.64	0.52	1.50	37.42	31.25	406 x 508 x 102
121242	121241	12 x 12 x 4	11-3/8" x 11-3/8" x 3-3/4"	500	0.53	0.40	0.64	0.52	1.50	27.95	23.34	305 x 610 x 102

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

*Model Number Size Configuration may be produced as 20x25 or 25x20.

STANDARD PRESSURE DROP

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



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NAFA National Air Filtration Association

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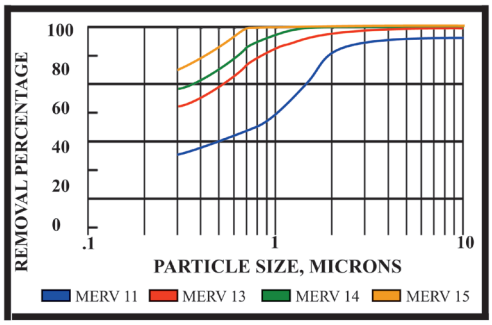
MINIMUM PARTICLE SIZE EFFICIENCY

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