

[PURACELL II P & PH] Mini-Pleat Series

- 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.

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.

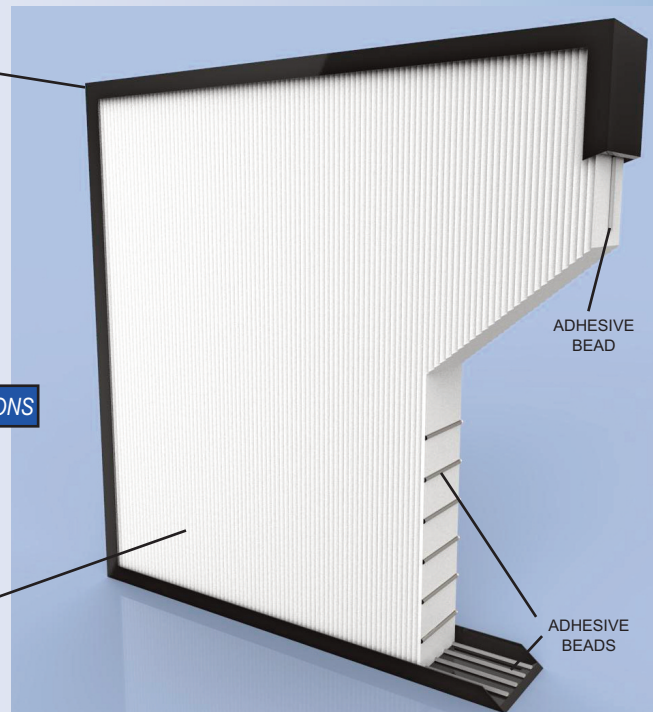
POLYSTYRENE
PLASTIC FRAME

SPECIFICATIONS

MICRO FIBER
MEDIA

ADHESIVE
BEAD

ADHESIVE
BEADS



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Glasfloss has a policy of uninterrupted research, development and product improvement and reserves the right to change design and specifications without notice.

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PRODUCT BULLETIN 11PURP&PH • SECTION 11 • 11-20-2022

PURACELL II P & PH SERIES

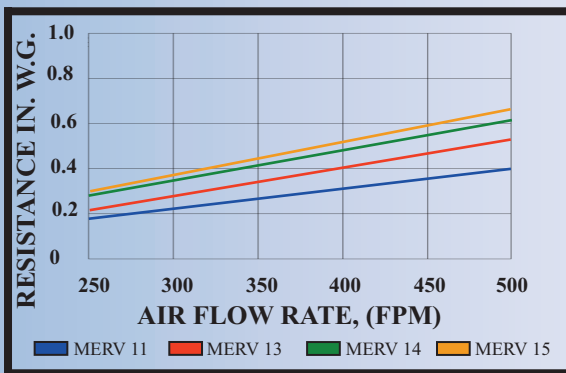
| BASE MODEL NUMBER | SIZE W x H x D NOMINAL | SIZE W x H x D EXACT | RATED VELOCITY FPM | INITIAL RESIST. IN. W.G. | | FINAL RESIST. IN. W.G. | MEDIA SQUARE FEET | | SIZE W x H x D NOMINAL MM |
|-------------------|------------------------|----------------------------|--------------------|--------------------------|-----|------------------------|-------------------|--------|---------------------------|
| | | | | P | PH | | P | PH | |
| MERV 15 | | | | | | | | | |
| 242449 | 24 x 24 x 4 | 23-3/8" x 23-3/8" x 3-3/4" | 500 | .66 | .77 | 1.50 | 122.96 | 102.12 | 610 x 610 x 102 |
| *202549 | 20 x 25 x 4 | 19-3/8" x 24-3/8" x 3-3/4" | 500 | .66 | .77 | 1.50 | 105.37 | 86.00 | 508 x 635 x 102 |
| 202449 | 20 x 24 x 4 | 19-3/8" x 23-3/8" x 3-3/4" | 500 | .66 | .77 | 1.50 | 101.05 | 82.14 | 508 x 610 x 102 |
| 202049 | 20 x 20 x 4 | 19-3/8" x 19-3/8" x 3-3/4" | 500 | .66 | .77 | 1.50 | 83.76 | 66.73 | 508 x 508 x 102 |
| 182449 | 18 x 24 x 4 | 17-3/8" x 23-3/8" x 3-3/4" | 500 | .66 | .77 | 1.50 | 91.31 | 68.38 | 457 x 610 x 102 |
| 162549 | 16 x 25 x 4 | 15-3/8" x 24-3/8" x 3-3/4" | 500 | .66 | .77 | 1.50 | 83.79 | 61.82 | 406 x 635 x 102 |
| 162049 | 16 x 20 x 4 | 15-3/8" x 19-3/8" x 3-3/4" | 500 | .66 | .77 | 1.50 | 66.60 | 47.97 | 406 x 508 x 102 |
| 122449 | 12 x 24 x 4 | 11-3/8" x 23-3/8" x 3-3/4" | 500 | .66 | .77 | 1.50 | 59.65 | 44.40 | 305 x 610 x 102 |
| MERV 14 | | | | | | | | | |
| 242443 | 24 x 24 x 4 | 23-3/8" x 23-3/8" x 3-3/4" | 500 | .61 | .72 | 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 | .61 | .72 | 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 | .61 | .72 | 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 | .61 | .72 | 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 | .61 | .72 | 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 | .61 | .72 | 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 | .61 | .72 | 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 | .61 | .72 | 1.50 | 59.65 | 44.40 | 305 x 610 x 102 |
| MERV 13 | | | | | | | | | |
| 242442 | 24 x 24 x 4 | 23-3/8" x 23-3/8" x 3-3/4" | 500 | .53 | .64 | 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 | .53 | .64 | 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 | .53 | .64 | 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 | .53 | .64 | 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 | .53 | .64 | 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 | .53 | .64 | 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 | .53 | .64 | 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 | .53 | .64 | 1.50 | 57.22 | 43.29 | 305 x 610 x 102 |
| MERV 11 | | | | | | | | | |
| 242441 | 24 x 24 x 4 | 23-3/8" x 23-3/8" x 3-3/4" | 500 | .40 | .52 | 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 | .40 | .52 | 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 | .40 | .52 | 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 | .40 | .52 | 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 | .40 | .52 | 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 | .40 | .52 | 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 | .40 | .52 | 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 | .40 | .52 | 1.50 | 57.22 | 43.29 | 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.

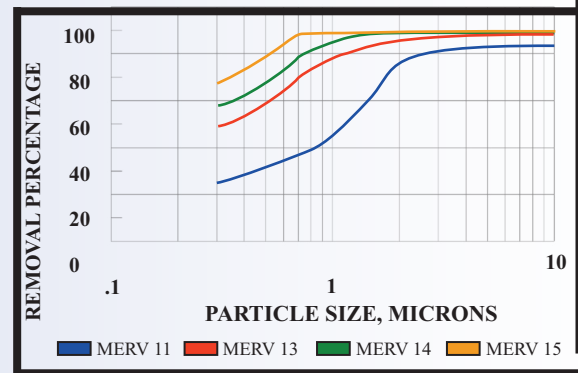
STANDARD PRESSURE DROP

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



MINIMUM PARTICLE SIZE EFFICIENCY

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



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