

DISPOSABLE PANEL FILTERS

FEATURES

The Glasfloss disposable panel filter has set the standard for quality and durability. This rigidly constructed air filter maintains its integrity where others fall short. Always the highest quality, Glasfloss disposable panel filters have metal grids on both the air entry and the air leaving sides. (Some sizes may incorporate metal grid on the air leaving side only.)

CONSTRUCTION

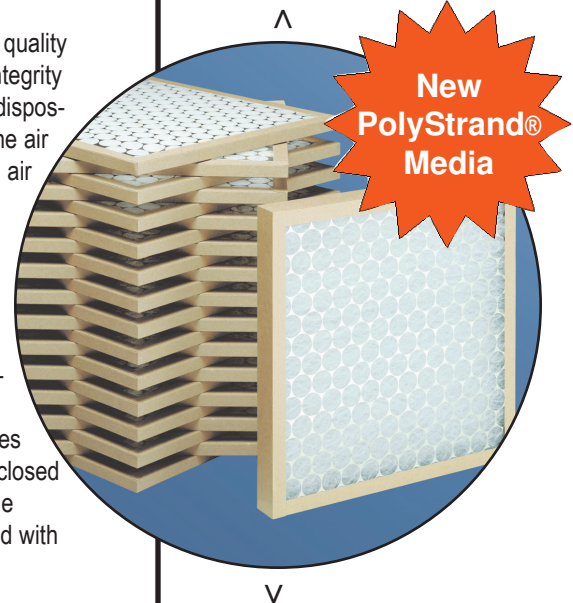
The Glasfloss disposable panel filter uses a progressively dense fiberglass or PolyStrand® media to maximize its dust holding capacity. The media is encapsulated between two metal grids to maintain integrity under adverse operating conditions. The metal grids are thermally bonded to the internal sides of a heavy-duty, one piece craftboard frame. (Some sizes may incorporate metal grid on the air leaving side only.) The closed corner construction prevents dust laden air from bypassing the media through open corners. The filter frame is clearly marked with size, U.L. classification and air flow direction.

APPLICATIONS

The Glasfloss disposable panel filter can be used as a direct replacement for filters supplied in original equipment. Standard sizes are available in 1" and 2" depths to accommodate most filter tracks. Any application can be accommodated with our special sizes, available in 1/2", 1" and 2" depths.

OPTIONS

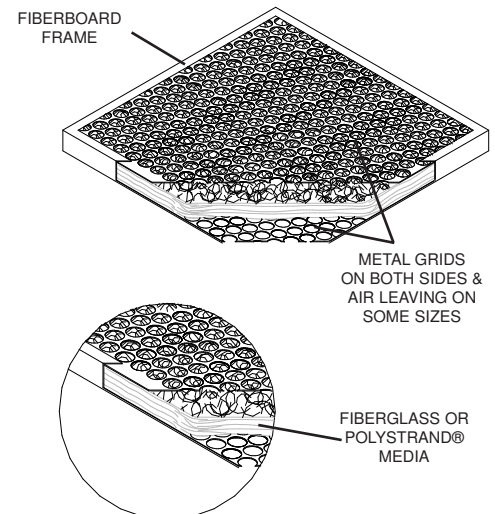
Available with tape around the filter frame for added protection against moisture and/or support bars for added rigidity.



- Progressively Dense Fiberglass or PolyStrand® Media
- Heavy-duty Construction
- Thermally Bonded

SPECIFICATIONS

The standard size filter element shall be constructed of a single piece of heavy-duty, one piece craftboard frame. The metal grid shall be thermally bonded internally to the frame. The metal grid shall be 28 gauge and provide 82% open area. All corners shall be closed and sealed. The fiberglass filter media shall be coated with a non-toxic, non-flammable, odor free adhesive. The fiberglass media shall be constructed in a progressively dense fashion from air entering to air leaving side. The fiberglass media shall have a skin backing on the air leaving side. The PolyStrand® filter media shall be made from fibers completely coated with polyester. Glasfloss disposable panel filters shall be rated to withstand temperatures up to 180 degrees Fahrenheit. All filters shall be rated Class 2 under U.L. std. 900.



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DISPOSABLE PANEL FILTERS

1" Performance Data

| SIZE W x H x D NOMINAL | SIZE W x H x D EXACT | RATED VELOCITY FPM | INITIAL RESIST. IN. W.G. | | MEDIA SQUARE FOOT | SIZE W x H x D NOMINAL MM | RATED VELOCITY M/H | INITIAL RESIST. PASCALS | |
|------------------------------|----------------------------|--------------------------|--------------------------------|------|-------------------------|------------------------------------|--------------------------|-------------------------------|-------|
| | | | GTA | PTA | | | | GTA | PTA |
| 10 x 10 x 1 | 9-5/8 x 9-5/8 x 3/4 | 300 | 0.07 | 0.10 | 0.69 | 254 x 254 x 25 | 5490 | 17.42 | 47.20 |
| 10 x 20 x 1 | 9-5/8 x 19-5/8 x 3/4 | 300 | 0.07 | 0.10 | 1.38 | 254 x 508 x 25 | 5490 | 17.42 | 47.20 |
| 10 x 24 x 1 | 9-5/8 x 23-5/8 x 3/4 | 300 | 0.07 | 0.10 | 1.66 | 254 x 610 x 25 | 5490 | 17.42 | 47.20 |
| 10 x 25 x 1 | 9-5/8 x 24-5/8 x 3/4 | 300 | 0.07 | 0.10 | 1.75 | 254 x 635 x 25 | 5490 | 17.42 | 47.20 |
| 10 x 30 x 1 | 9-5/8 x 29-5/8 x 3/4 | 300 | 0.07 | 0.10 | 2.08 | 254 x 762 x 25 | 5490 | 17.42 | 47.20 |
| 12 x 20 x 1 | 11-5/8 x 19-5/8 x 3/4 | 300 | 0.07 | 0.10 | 1.66 | 305 x 508 x 25 | 5490 | 17.42 | 47.20 |
| 12 x 24 x 1 | 11-5/8 x 23-5/8 x 3/4 | 300 | 0.07 | 0.10 | 2.00 | 305 x 610 x 25 | 5490 | 17.42 | 47.20 |
| 12 x 25 x 1 | 11-5/8 x 24-5/8 x 3/4 | 300 | 0.07 | 0.10 | 2.08 | 305 x 635 x 25 | 5490 | 17.42 | 47.20 |
| 12 x 30 x 1 | 11-5/8 x 29-5/8 x 3/4 | 300 | 0.07 | 0.10 | 2.50 | 305 x 762 x 25 | 5490 | 17.42 | 47.20 |
| 12 x 30-5/8 x 1 | 11-5/8 x 30-1/4 x 3/4 | 300 | 0.07 | 0.10 | 2.55 | 305 x 778 x 25 | 5490 | 17.42 | 47.20 |
| 14 x 20 x 1 | 13-5/8 x 19-5/8 x 3/4 | 300 | 0.07 | 0.10 | 1.94 | 356 x 508 x 25 | 5490 | 17.42 | 47.20 |
| 14 x 25 x 1 | 13-5/8 x 24-5/8 x 3/4 | 300 | 0.07 | 0.10 | 2.43 | 356 x 635 x 25 | 5490 | 17.42 | 47.20 |
| 14 x 30 x 1 | 13-5/8 x 29-5/8 x 3/4 | 300 | 0.07 | 0.10 | 2.91 | 356 x 762 x 25 | 5490 | 17.42 | 47.20 |
| 15 x 20 x 1 | 14-5/8 x 19-5/8 x 3/4 | 300 | 0.07 | 0.10 | 2.08 | 381 x 508 x 25 | 5490 | 17.42 | 47.20 |
| 15 x 30-5/8 x 1 | 14-5/8 x 30-1/4 x 3/4 | 300 | 0.07 | 0.10 | 3.19 | 381 x 778 x 25 | 5490 | 17.42 | 47.20 |
| 16 x 16 x 1 | 15-5/8 x 15-5/8 x 3/4 | 300 | 0.07 | 0.10 | 1.77 | 407 x 407 x 25 | 5490 | 17.42 | 47.20 |
| 16 x 20 x 1 | 15-5/8 x 19-5/8 x 3/4 | 300 | 0.07 | 0.10 | 2.22 | 407 x 508 x 25 | 5490 | 17.42 | 47.20 |
| 16 x 22-1/4 x 1 | 15-5/8 x 21-7/8 x 3/4 | 300 | 0.07 | 0.10 | 2.77 | 407 x 571 x 25 | 5490 | 17.42 | 47.20 |
| 16 x 25 x 1 | 15-5/8 x 24-5/8 x 3/4 | 300 | 0.07 | 0.10 | 2.47 | 407 x 635 x 25 | 5490 | 17.42 | 47.20 |
| 18 x 25 x 1 | 17-5/8 x 24-5/8 x 3/4 | 300 | 0.07 | 0.10 | 3.13 | 457 x 635 x 25 | 5490 | 17.42 | 47.20 |
| 19 x 27 x 1 | 18-5/8 x 26-5/8 x 3/4 | 300 | 0.07 | 0.10 | 3.56 | 483 x 686 x 25 | 5490 | 17.42 | 47.20 |
| 20 x 20 x 1 | 19-5/8 x 19-5/8 x 3/4 | 300 | 0.07 | 0.10 | 2.77 | 559 x 559 x 25 | 5490 | 17.42 | 47.20 |
| 20 x 25 x 1 | 19-5/8 x 24-5/8 x 3/4 | 300 | 0.07 | 0.10 | 3.47 | 508 x 635 x 25 | 5490 | 17.42 | 47.20 |
| 22 x 22 x 1 | 21-5/8 x 21-5/8 x 3/4 | 300 | 0.07 | 0.10 | 3.36 | 508 x 508 x 25 | 5490 | 17.42 | 47.20 |
| 24 x 24 x 1 | 23-5/8 x 23-5/8 x 3/4 | 300 | 0.07 | 0.10 | 4.00 | 610 x 610 x 25 | 5490 | 17.42 | 47.20 |
| 25 x 25 x 1 | 24-5/8 x 24-5/8 x 3/4 | 300 | 0.07 | 0.10 | 4.34 | 635 x 635 x 25 | 5490 | 17.42 | 47.20 |
| 8 x 30 x 1 | 7-5/8 x 29-5/8 x 3/4 | 300 | 0.07 | 0.10 | 1.66 | 203 x 762 x 25 | 5490 | 17.42 | 47.20 |
| 12 x 12 x 1 | 11-5/8 x 11-5/8 x 3/4 | 300 | 0.07 | 0.10 | 1.00 | 305 x 305 x 25 | 5490 | 17.42 | 47.20 |
| 12 x 16 x 1 | 11-5/8 x 15-5/8 x 3/4 | 300 | 0.07 | 0.10 | 1.33 | 305 x 407 x 25 | 5490 | 17.42 | 47.20 |
| 12 x 18 x 1 | 11-5/8 x 17-5/8 x 3/4 | 300 | 0.07 | 0.10 | 1.50 | 305 x 457 x 25 | 5490 | 17.42 | 47.20 |
| 12 x 36 x 1 | 11-5/8 x 35-5/8 x 3/4 | 300 | 0.07 | 0.10 | 3.00 | 305 x 914 x 25 | 5490 | 17.42 | 47.20 |
| 14 x 14 x 1 | 13 5/8 x 13 5/8 x 3/4 | 300 | 0.07 | 0.10 | 1.36 | 356 x 356 x 25 | 5490 | 17.42 | 47.20 |
| 14 x 18 x 1 | 13-5/8 x 17-5/8 x 3/4 | 300 | 0.07 | 0.10 | 1.75 | 356 x 457 x 25 | 5490 | 17.42 | 47.20 |
| 14 x 24 x 1 | 13-5/8 x 23-5/8 x 3/4 | 300 | 0.07 | 0.10 | 2.33 | 356 x 610 x 25 | 5490 | 17.42 | 47.20 |
| 15 x 25 x 1 | 14-5/8 x 24-5/8 x 3/4 | 300 | 0.07 | 0.10 | 2.60 | 381 x 635 x 25 | 5490 | 17.42 | 47.20 |
| 15 x 30 x 1 | 14-5/8 x 29-5/8 x 3/4 | 300 | 0.07 | 0.10 | 3.12 | 381 x 762 x 25 | 5490 | 17.42 | 47.20 |
| 16 x 18 x 1 | 15-5/8 x 17-5/8 x 3/4 | 300 | 0.07 | 0.10 | 2.00 | 407 x 457 x 25 | 5490 | 17.42 | 47.20 |
| 16 x 24 x 1 | 15-5/8 x 23-5/8 x 3/4 | 300 | 0.07 | 0.10 | 2.67 | 407 x 610 x 25 | 5490 | 17.42 | 47.20 |
| 16 x 30 x 1 | 15-5/8 x 29-5/8 x 3/4 | 300 | 0.07 | 0.10 | 3.33 | 407 x 762 x 25 | 5490 | 17.42 | 47.20 |
| 18 x 18 x 1 | 17-5/8 x 17-5/8 x 3/4 | 300 | 0.07 | 0.10 | 2.25 | 457 x 457 x 25 | 5490 | 17.42 | 47.20 |
| 18 x 20 x 1 | 17-5/8 x 19-5/8 x 3/4 | 300 | 0.07 | 0.10 | 2.50 | 457 x 508 x 25 | 5490 | 17.42 | 47.20 |
| 18 x 24 x 1 | 17-5/8 x 23-5/8 x 3/4 | 300 | 0.07 | 0.10 | 3.00 | 457 x 610 x 25 | 5490 | 17.42 | 47.20 |
| 18 x 30 x 1 | 17-5/8 x 29-5/8 x 3/4 | 300 | 0.07 | 0.10 | 3.75 | 457 x 762 x 25 | 5490 | 17.42 | 47.20 |
| 18 x 36 x 1 | 17-5/8 x 35-5/8 x 3/4 | 300 | 0.07 | 0.10 | 4.50 | 457 x 914 x 25 | 5490 | 17.42 | 47.20 |
| 20 x 22-1/4 x 1 | 19-5/8 x 21-7/8 x 3/4 | 300 | 0.07 | 0.10 | 3.09 | 508 x 565 x 25 | 5490 | 17.42 | 47.20 |
| 20 x 24 x 1 | 19-5/8 x 23-5/8 x 3/4 | 300 | 0.07 | 0.10 | 3.33 | 508 x 610 x 25 | 5490 | 17.42 | 47.20 |
| 20 x 30 x 1 | 19-5/8 x 29-5/8 x 3/4 | 300 | 0.07 | 0.10 | 4.17 | 508 x 762 x 25 | 5490 | 17.42 | 47.20 |
| 20 x 36 x 1 | 19-5/8 x 35-5/8 x 3/4 | 300 | 0.07 | 0.10 | 5.00 | 508 x 914 x 25 | 5490 | 17.42 | 47.20 |
| 21 x 21 x 1 | 20-5/8 x 20-5/8 x 3/4 | 300 | 0.07 | 0.10 | 3.06 | 533 x 533 x 25 | 5490 | 17.42 | 47.20 |
| 24 x 30 x 1 | 23-5/8 x 29-5/8 x 3/4 | 300 | 0.07 | 0.10 | 5.00 | 610 x 762 x 25 | 5490 | 17.42 | 47.20 |
| 24 x 36 x 1 | 23-5/8 x 35-5/8 x 3/4 | 300 | 0.07 | 0.10 | 6.00 | 610 x 914 x 25 | 5490 | 17.42 | 47.20 |

Tolerances shall be +/- 1/8" for height and width. All special sizes will be undersized 1/8" unless specified otherwise. Recommended final resistance is 0.50" in. w. g.

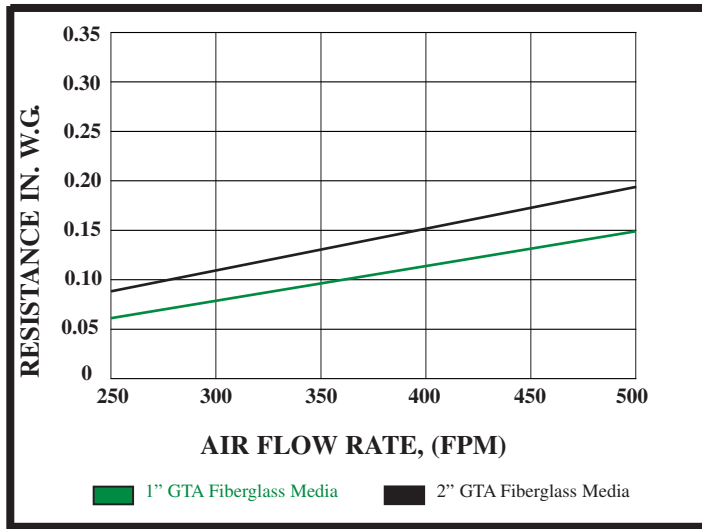
2" Performance Data

| | | | | | | | | | |
|-------------|-------------------------|-----|------|------|------|----------------|------|-------|-------|
| 10 x 10 x 2 | 9-5/8 x 9-5/8 x 1-5/8 | 500 | 0.18 | 0.32 | 0.69 | 254 x 254 x 50 | 9150 | 44.78 | 94.50 |
| 10 x 20 x 2 | 9-5/8 x 19-5/8 x 1-5/8 | 500 | 0.18 | 0.32 | 1.38 | 254 x 508 x 50 | 9150 | 44.78 | 94.50 |
| 12 x 24 x 2 | 11-3/8 x 23-3/8 x 1-5/8 | 500 | 0.18 | 0.32 | 2.00 | 305 x 610 x 50 | 9150 | 44.78 | 94.50 |
| 14 x 20 x 2 | 13-5/8 x 19-5/8 x 1-5/8 | 500 | 0.18 | 0.32 | 1.94 | 356 x 508 x 50 | 9150 | 44.78 | 94.50 |
| 14 x 25 x 2 | 13-5/8 x 24-5/8 x 1-5/8 | 500 | 0.18 | 0.32 | 2.43 | 356 x 635 x 50 | 9150 | 44.78 | 94.50 |
| 15 x 20 x 2 | 14-5/8 x 19-5/8 x 1-5/8 | 500 | 0.18 | 0.32 | 2.08 | 381 x 508 x 50 | 9150 | 44.78 | 94.50 |
| 16 x 20 x 2 | 15-5/8 x 19-5/8 x 1-5/8 | 500 | 0.18 | 0.32 | 2.22 | 407 x 508 x 50 | 9150 | 44.78 | 94.50 |
| 16 x 24 x 2 | 15-5/8 x 23-5/8 x 1-5/8 | 500 | 0.18 | 0.32 | 2.67 | 407 x 610 x 50 | 9150 | 44.78 | 94.50 |
| 16 x 25 x 2 | 15-5/8 x 24-5/8 x 1-5/8 | 500 | 0.18 | 0.32 | 2.77 | 407 x 635 x 50 | 9150 | 44.78 | 94.50 |
| 18 x 24 x 2 | 17-5/8 x 23-5/8 x 1-5/8 | 500 | 0.18 | 0.32 | 3.00 | 457 x 610 x 50 | 9150 | 44.78 | 94.50 |
| 20 x 20 x 2 | 19-5/8 x 19-5/8 x 1-5/8 | 500 | 0.18 | 0.32 | 2.77 | 508 x 508 x 50 | 9150 | 44.78 | 94.50 |
| 20 x 24 x 2 | 19-3/8 x 23-3/8 x 1-5/8 | 500 | 0.18 | 0.32 | 3.33 | 508 x 610 x 50 | 9150 | 44.78 | 94.50 |
| 20 x 25 x 2 | 19-5/8 x 24-5/8 x 1-5/8 | 500 | 0.18 | 0.32 | 3.47 | 508 x 635 x 50 | 9150 | 44.78 | 94.50 |
| 24 x 24 x 2 | 23-3/8 x 23-3/8 x 1-5/8 | 500 | 0.18 | 0.32 | 4.00 | 610 x 610 x 50 | 9150 | 44.78 | 94.50 |
| 25 x 25 x 2 | 24-5/8 x 24-5/8 x 1-5/8 | 500 | 0.18 | 0.32 | 4.34 | 635 x 635 x 50 | 9150 | 44.78 | 94.50 |

Tolerances shall be +/- 1/8" for height and width. All special sizes will be undersized 1/8" unless specified otherwise. Recommended final resistance is 0.50" in. w. g.

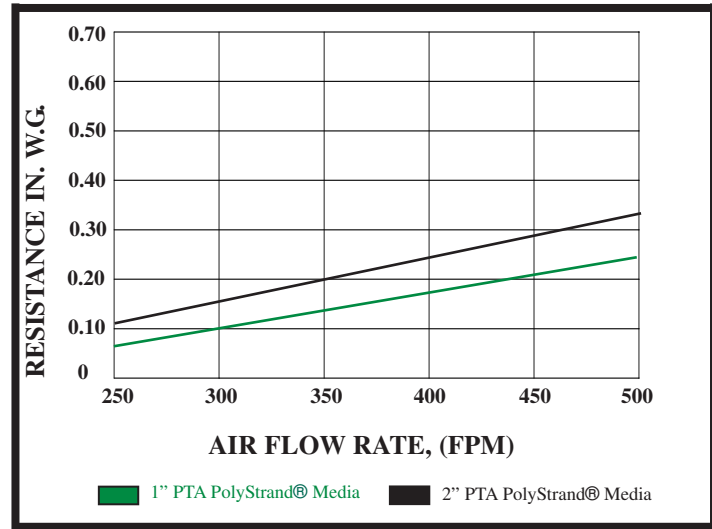
STANDARD PRESSURE DROP

Test Filter Size 24" x 24" Nominal



STANDARD PRESSURE DROP

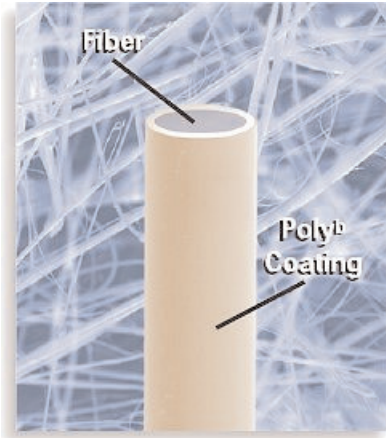
Test Filter Size 24" x 24" Nominal



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PolyStrand® Media Advantages



- Fibers encapsulated in a polyester coating
- Lower pressure drop
- Soft to the touch & safe to handle
- High quality & strength
- Enhanced particle size efficiency per independent tests

PolyStrand is a registered Trademark of Superior Fibers Inc.

| Performance Data | New PolyStrand® Media | Regular Polyester Media | PTA PolyStrand® Advantages |
|---|-----------------------|-------------------------|----------------------------|
| 20x20x1: Initial Resistance (295 FPM) | .10" w.g. | .19" w.g. | 48% Lower Resistance! |
| 20x20x2: Initial Resistance (295 FPM) | .14" w.g. | .26" w.g. | 47% Lower Resistance! |
| E1 (%) Initial Efficiency 0.30 - 1.0 um | 8 | 5 | 60% Greater |
| E2 (%) Initial Efficiency 1.0 - 3.0 um | 30 | 18 | 67% Greater |
| E3 (%) Initial Efficiency 3.0 - 10.0 um | 31 | 16 | 94% Greater |



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