



**GDS Series**  
Fiberglass Double Strut Disposable Panel Filters



The Glasfloss GDS disposable panel filter features an innovative, reinforced, "double strut" construction for excellent durability and performance in commercial, industrial, and residential applications. The new design provides 10% greater open media area than traditional metal grill filters and offers excellent dust holding capacity. In addition, the new design allows for easier disposal, eliminates sharp edges for safer handling and reduces carton weight for lower shipping costs. The new GDS disposable panel filter is available in 1" and 2" depths in many standard sizes.



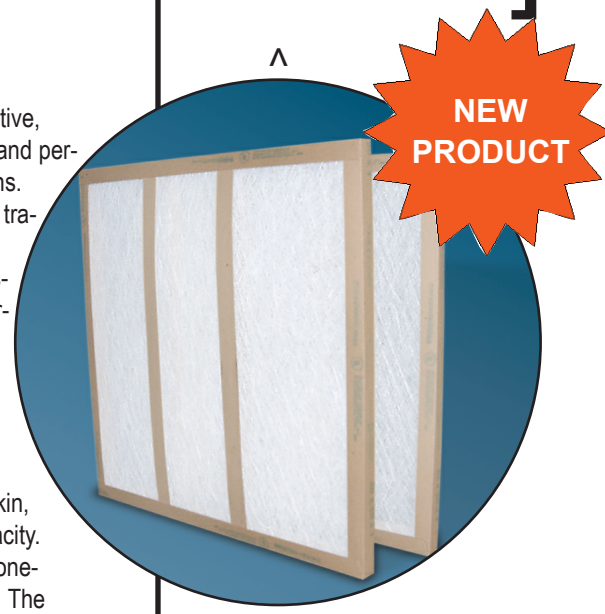
**CONSTRUCTION**

The Glasfloss GDS disposable panel filters utilize a double-skin, progressively dense fiberglass to maximize dust holding capacity. The media and strut retainers are glued and sealed inside a one-piece, craftboard frame made from 100% recycled materials. The filter frame is clearly marked with size, U.L. classification and air flow direction.



**APPLICATIONS**

The Glasfloss GDS Series of disposable panel filters 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 and return air grills.

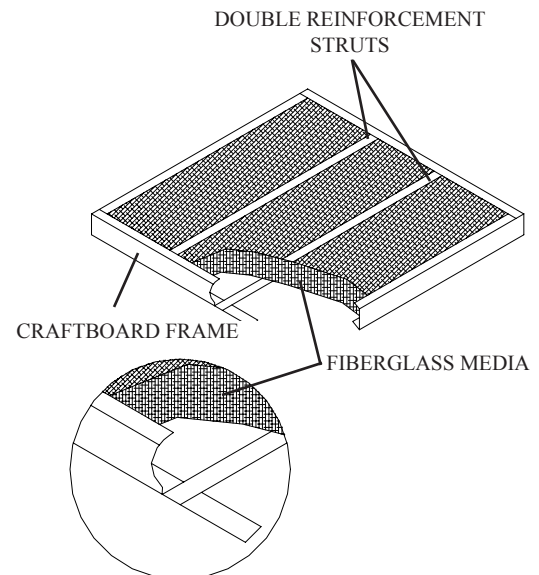


- New "Double Strut" Design
- 10% Greater Open Media Area
- Lighter Weight, Reduced Shipping Costs
- Easier Incineration and Disposal



**SPECIFICATIONS**

The standard size filter element shall be constructed of a heavy-duty, one piece craftboard frame. 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 entering and air leaving side. The media and reinforced strut retainers shall be glued and sealed inside a heavy-duty, craftboard frame. The GDS disposable panel filter shall be rated to withstand temperatures of 180 degrees Fahrenheit. All filters shall be rated Class 2 under U.L. std. 900.





# GDS Series

## Fiberglass Double Strut Disposable Panel Filters

### 1" Performance Data

| SIZE<br>W x H x D<br>NOMINAL | SIZE<br>W x H x D<br>EXACT | RATED<br>VELOCITY<br>FPM | INITIAL<br>RESIST.<br>IN. W.G. | MEDIA<br>SQUARE<br>FOOT | SIZE<br>W x H x D<br>NOMINAL<br>MM | RATED<br>VELOCITY<br>M/H | INITIAL<br>RESIST.<br>PASCALS |
|------------------------------|----------------------------|--------------------------|--------------------------------|-------------------------|------------------------------------|--------------------------|-------------------------------|
| 8 x 16 x 1                   | 7-5/8 x 15-5/8 x 3/4       | 300                      | 0.07                           | 0.88                    | 203 x 407 x 25                     | 5490                     | 17.42                         |
| 10 x 10 x 1                  | 9-5/8 x 9-5/8 x 3/4        | 300                      | 0.07                           | 0.69                    | 254 x 254 x 25                     | 5490                     | 17.42                         |
| 10 x 20 x 1                  | 9-5/8 x 19-5/8 x 3/4       | 300                      | 0.07                           | 1.38                    | 254 x 508 x 25                     | 5490                     | 17.42                         |
| 10 x 24 x 1                  | 9-5/8 x 23-5/8 x 3/4       | 300                      | 0.07                           | 1.66                    | 254 x 610 x 25                     | 5490                     | 17.42                         |
| 10 x 25 x 1                  | 9-5/8 x 24-5/8 x 3/4       | 300                      | 0.07                           | 1.75                    | 254 x 635 x 25                     | 5490                     | 17.42                         |
| 10 x 30 x 1                  | 9-5/8 x 29-5/8 x 3/4       | 300                      | 0.07                           | 2.08                    | 254 x 762 x 25                     | 5490                     | 17.42                         |
| 12 x 20 x 1                  | 11-5/8 x 19-5/8 x 3/4      | 300                      | 0.07                           | 1.66                    | 305 x 508 x 25                     | 5490                     | 17.42                         |
| 12 x 24 x 1                  | 11-5/8 x 23-5/8 x 3/4      | 300                      | 0.07                           | 2.00                    | 305 x 610 x 25                     | 5490                     | 17.42                         |
| 12 x 25 x 1                  | 11-5/8 x 24-5/8 x 3/4      | 300                      | 0.07                           | 2.08                    | 305 x 635 x 25                     | 5490                     | 17.42                         |
| 12 x 30 x 1                  | 11-5/8 x 29-5/8 x 3/4      | 300                      | 0.07                           | 2.50                    | 305 x 762 x 25                     | 5490                     | 17.42                         |
| 12 x 30-5/8 x 1              | 11-5/8 x 30-1/4 x 3/4      | 300                      | 0.07                           | 2.55                    | 305 x 778 x 25                     | 5490                     | 17.42                         |
| 14 x 20 x 1                  | 13-5/8 x 19-5/8 x 3/4      | 300                      | 0.07                           | 1.94                    | 356 x 508 x 25                     | 5490                     | 17.42                         |
| 14 x 25 x 1                  | 13-5/8 x 24-5/8 x 3/4      | 300                      | 0.07                           | 2.43                    | 356 x 635 x 25                     | 5490                     | 17.42                         |
| 14 x 30 x 1                  | 13-5/8 x 29-5/8 x 3/4      | 300                      | 0.07                           | 2.91                    | 356 x 762 x 25                     | 5490                     | 17.42                         |
| 15 x 20 x 1                  | 14-5/8 x 19-5/8 x 3/4      | 300                      | 0.07                           | 2.08                    | 381 x 508 x 25                     | 5490                     | 17.42                         |
| 15 x 30-5/8 x 1              | 14-5/8 x 30-1/4 x 3/4      | 300                      | 0.07                           | 3.19                    | 381 x 778 x 25                     | 5490                     | 17.42                         |
| 16 x 16 x 1                  | 15-5/8 x 15-5/8 x 3/4      | 300                      | 0.07                           | 1.77                    | 407 x 407 x 25                     | 5490                     | 17.42                         |
| 16 x 20 x 1                  | 15-5/8 x 19-5/8 x 3/4      | 300                      | 0.07                           | 2.22                    | 407 x 508 x 25                     | 5490                     | 17.42                         |
| 16 x 22-1/4 x 1              | 15-5/8 x 21-7/8 x 3/4      | 300                      | 0.07                           | 2.77                    | 407 x 571 x 25                     | 5490                     | 17.42                         |
| 16 x 25 x 1                  | 15-5/8 x 24-5/8 x 3/4      | 300                      | 0.07                           | 2.47                    | 407 x 635 x 25                     | 5490                     | 17.42                         |
| 18 x 25 x 1                  | 17-5/8 x 24-5/8 x 3/4      | 300                      | 0.07                           | 3.13                    | 457 x 635 x 25                     | 5490                     | 17.42                         |
| 19 x 27 x 1                  | 18-5/8 x 26-5/8 x 3/4      | 300                      | 0.07                           | 3.56                    | 483 x 686 x 25                     | 5490                     | 17.42                         |
| 20 x 20 x 1                  | 19-5/8 x 19-5/8 x 3/4      | 300                      | 0.07                           | 2.77                    | 559 x 559 x 25                     | 5490                     | 17.42                         |
| 20 x 25 x 1                  | 19-5/8 x 24-5/8 x 3/4      | 300                      | 0.07                           | 3.47                    | 508 x 635 x 25                     | 5490                     | 17.42                         |
| 22 x 22 x 1                  | 21-5/8 x 21-5/8 x 3/4      | 300                      | 0.07                           | 3.36                    | 508 x 508 x 25                     | 5490                     | 17.42                         |
| 24 x 24 x 1                  | 23-5/8 x 23-5/8 x 3/4      | 300                      | 0.07                           | 4.00                    | 610 x 610 x 25                     | 5490                     | 17.42                         |
| 25 x 25 x 1                  | 24-5/8 x 24-5/8 x 3/4      | 300                      | 0.07                           | 4.34                    | 635 x 635 x 25                     | 5490                     | 17.42                         |
| 8 x 30 x 1                   | 7-5/8 x 29-5/8 x 3/4       | 300                      | 0.07                           | 1.66                    | 203 x 762 x 25                     | 5490                     | 17.42                         |
| 12 x 12 x 1                  | 11-5/8 x 11-5/8 x 3/4      | 300                      | 0.07                           | 1.00                    | 305 x 305 x 25                     | 5490                     | 17.42                         |
| 12 x 16 x 1                  | 11-5/8 x 15-5/8 x 3/4      | 300                      | 0.07                           | 1.33                    | 305 x 407 x 25                     | 5490                     | 17.42                         |
| 12 x 18 x 1                  | 11-5/8 x 17-5/8 x 3/4      | 300                      | 0.07                           | 1.50                    | 305 x 457 x 25                     | 5490                     | 17.42                         |
| 12 x 36 x 1                  | 11-5/8 x 35-5/8 x 3/4      | 300                      | 0.07                           | 3.00                    | 305 x 914 x 25                     | 5490                     | 17.42                         |
| 14 x 14 x 1                  | 13-5/8 x 13-5/8 x 3/4      | 300                      | 0.07                           | 1.36                    | 356 x 356 x 25                     | 5490                     | 17.42                         |
| 14 x 18 x 1                  | 13-5/8 x 17-5/8 x 3/4      | 300                      | 0.07                           | 1.75                    | 356 x 457 x 25                     | 5490                     | 17.42                         |
| 14 x 24 x 1                  | 13-5/8 x 23-5/8 x 3/4      | 300                      | 0.07                           | 2.33                    | 356 x 610 x 25                     | 5490                     | 17.42                         |
| 15 x 25 x 1                  | 14-5/8 x 24-5/8 x 3/4      | 300                      | 0.07                           | 2.60                    | 381 x 635 x 25                     | 5490                     | 17.42                         |
| 15 x 30 x 1                  | 14-5/8 x 29-5/8 x 3/4      | 300                      | 0.07                           | 3.12                    | 381 x 762 x 25                     | 5490                     | 17.42                         |
| 16 x 18 x 1                  | 15-5/8 x 17-5/8 x 3/4      | 300                      | 0.07                           | 2.00                    | 407 x 457 x 25                     | 5490                     | 17.42                         |
| 16 x 24 x 1                  | 15-5/8 x 23-5/8 x 3/4      | 300                      | 0.07                           | 2.67                    | 407 x 610 x 25                     | 5490                     | 17.42                         |
| 16 x 30 x 1                  | 15-5/8 x 29-5/8 x 3/4      | 300                      | 0.07                           | 3.33                    | 407 x 762 x 25                     | 5490                     | 17.42                         |
| 16 x 32 x 1                  | 15-5/8 x 31-5/8 x 3/4      | 300                      | 0.07                           | 3.56                    | 407 x 813 x 25                     | 5490                     | 17.42                         |
| 16 x 36 x 1                  | 15-5/8 x 35-5/8 x 3/4      | 300                      | 0.07                           | 4.00                    | 407 x 914 x 25                     | 5490                     | 17.42                         |
| 18 x 18 x 1                  | 17-5/8 x 17-5/8 x 3/4      | 300                      | 0.07                           | 2.25                    | 457 x 457 x 25                     | 5490                     | 17.42                         |
| 18 x 20 x 1                  | 17-5/8 x 19-5/8 x 3/4      | 300                      | 0.07                           | 2.50                    | 457 x 508 x 25                     | 5490                     | 17.42                         |
| 18 x 24 x 1                  | 17-5/8 x 23-5/8 x 3/4      | 300                      | 0.07                           | 3.00                    | 457 x 610 x 25                     | 5490                     | 17.42                         |
| 18 x 30 x 1                  | 17-5/8 x 29-5/8 x 3/4      | 300                      | 0.07                           | 3.75                    | 457 x 762 x 25                     | 5490                     | 17.42                         |

\*Some sizes use one strut on the air entering and air leaving sides. Tolerances shall be +/- 1/8" for height and width & +/- 1/16" for depth.  
Recommended final resistance is 0.50" in. w. g.



**GDS Series**  
Fiberglass Double Strut Disposable Panel Filters

**1" Performance Data - cont'd**

| SIZE<br>W x H x D<br>NOMINAL | SIZE<br>W x H x D<br>EXACT | RATED<br>VELOCITY<br>FPM | INITIAL<br>RESIST.<br>IN. W.G. | MEDIA<br>SQUARE<br>FOOT |
|------------------------------|----------------------------|--------------------------|--------------------------------|-------------------------|
| 18 x 36 x 1                  | 17-5/8 x 35-5/8 x 3/4      | 300                      | 0.07                           | 4.50                    |
| 20 x 22-1/4 x 1              | 19-5/8 x 21-7/8 x 3/4      | 300                      | 0.07                           | 3.09                    |
| 20 x 24 x 1                  | 19-5/8 x 23-5/8 x 3/4      | 300                      | 0.07                           | 3.33                    |
| 20 x 30 x 1                  | 19-5/8 x 29-5/8 x 3/4      | 300                      | 0.07                           | 4.17                    |
| 20 x 32 x 1                  | 19-5/8 x 31-5/8 x 3/4      | 300                      | 0.07                           | 4.44                    |
| 20 x 36 x 1                  | 19-5/8 x 35-5/8 x 3/4      | 300                      | 0.07                           | 5.00                    |
| 21 x 21 x 1                  | 20-5/8 x 20-5/8 x 3/4      | 300                      | 0.07                           | 3.06                    |
| 21-1/2 x 21-1/2 x 1          | 21-1/8 x 21-1/8 x 3/4      | 300                      | 0.07                           | 3.21                    |
| 24 x 30 x 1                  | 23-5/8 x 29-5/8 x 3/4      | 300                      | 0.07                           | 5.00                    |
| 24 x 36 x 1                  | 23-5/8 x 35-5/8 x 3/4      | 300                      | 0.07                           | 6.00                    |
| 25 x 32 x 1                  | 24-5/8 x 31-5/8 x 3/4      | 300                      | 0.07                           | 5.56                    |

| SIZE<br>W x H x D<br>NOMINAL<br>MM | RATED<br>VELOCITY<br>M/H | INITIAL<br>RESIST.<br>PASCALS |
|------------------------------------|--------------------------|-------------------------------|
| 457 x 914 x 25                     | 5490                     | 17.42                         |
| 508 x 565 x 25                     | 5490                     | 17.42                         |
| 508 x 610 x 25                     | 5490                     | 17.42                         |
| 508 x 762 x 25                     | 5490                     | 17.42                         |
| 508 x 813 x 25                     | 5490                     | 17.42                         |
| 508 x 914 x 25                     | 5490                     | 17.42                         |
| 533 x 533 x 25                     | 5490                     | 17.42                         |
| 546 x 564 x 25                     | 5490                     | 17.42                         |
| 610 x 762 x 25                     | 5490                     | 17.42                         |
| 610 x 914 x 25                     | 5490                     | 17.42                         |
| 635 x 813 x 25                     | 5490                     | 17.42                         |

**2" Performance Data**

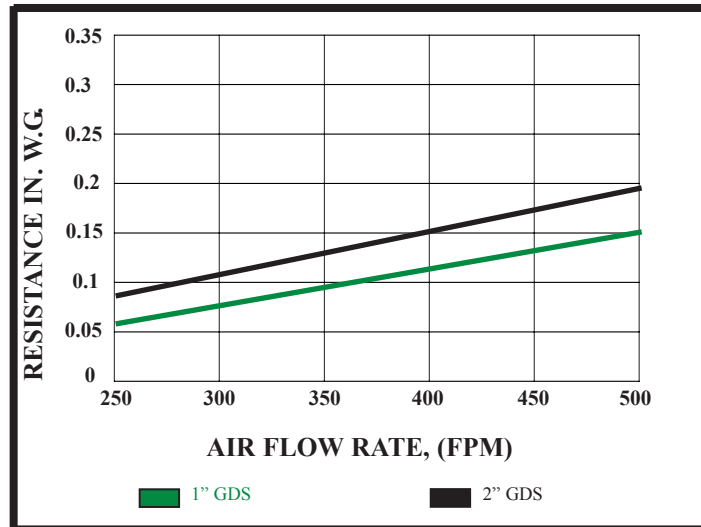
|             |                         |     |      |      |
|-------------|-------------------------|-----|------|------|
| 10 x 10 x 2 | 9-5/8 x 9-5/8 x 1-5/8   | 500 | 0.18 | 0.69 |
| 10 x 20 x 2 | 9-5/8 x 19-5/8 x 1-5/8  | 500 | 0.18 | 1.38 |
| 12 x 24 x 2 | 11-3/8 x 23-3/8 x 1-5/8 | 500 | 0.18 | 2.00 |
| 14 x 20 x 2 | 13-5/8 x 19-5/8 x 1-5/8 | 500 | 0.18 | 1.94 |
| 14 x 25 x 2 | 13-5/8 x 24-5/8 x 1-5/8 | 500 | 0.18 | 2.43 |
| 15 x 20 x 2 | 14-5/8 x 19-5/8 x 1-5/8 | 500 | 0.18 | 2.08 |
| 16 x 20 x 2 | 15-5/8 x 19-5/8 x 1-5/8 | 500 | 0.18 | 2.22 |
| 16 x 24 x 2 | 15-5/8 x 23-5/8 x 1-5/8 | 500 | 0.18 | 2.67 |
| 16 x 25 x 2 | 15-5/8 x 24-5/8 x 1-5/8 | 500 | 0.18 | 2.77 |
| 18 x 24 x 2 | 17-5/8 x 23-5/8 x 1-5/8 | 500 | 0.18 | 3.00 |
| 20 x 20 x 2 | 19-5/8 x 19-5/8 x 1-5/8 | 500 | 0.18 | 2.77 |
| 20 x 24 x 2 | 19-3/8 x 23-3/8 x 1-5/8 | 500 | 0.18 | 3.33 |
| 20 x 25 x 2 | 19-5/8 x 24-5/8 x 1-5/8 | 500 | 0.18 | 3.47 |
| 24 x 24 x 2 | 23-3/8 x 23-3/8 x 1-5/8 | 500 | 0.18 | 4.00 |
| 25 x 25 x 2 | 24-5/8 x 24-5/8 x 1-5/8 | 500 | 0.18 | 4.34 |

|                |      |       |
|----------------|------|-------|
| 254 x 254 x 50 | 9150 | 44.78 |
| 254 x 508 x 50 | 9150 | 44.78 |
| 305 x 610 x 50 | 9150 | 44.78 |
| 356 x 508 x 50 | 9150 | 44.78 |
| 356 x 635 x 50 | 9150 | 44.78 |
| 381 x 508 x 50 | 9150 | 44.78 |
| 407 x 508 x 50 | 9150 | 44.78 |
| 407 x 610 x 50 | 9150 | 44.78 |
| 407 x 635 x 50 | 9150 | 44.78 |
| 457 x 610 x 50 | 9150 | 44.78 |
| 508 x 508 x 50 | 9150 | 44.78 |
| 508 x 610 x 50 | 9150 | 44.78 |
| 508 x 635 x 50 | 9150 | 44.78 |
| 610 x 610 x 50 | 9150 | 44.78 |
| 635 x 635 x 50 | 9150 | 44.78 |

\*Some sizes use one strut on the air entering and air leaving sides. Tolerances shall be +/- 1/8" for height and width & +/- 1/16" for depth.  
Recommended final resistance is 0.50" in. w. g.

**STANDARD PRESSURE DROP**

Test Filter Size 24" x 24" Nominal





## SPECIFICATIONS FOR GDS FILTERS

The standard size filter element shall be constructed of a heavy-duty, one piece craftboard frame. 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 entering and air leaving side. The media and reinforced strut retainers shall be glued and sealed inside a heavy-duty, craftboard frame. The GDS disposable panel filter shall be rated to withstand temperatures of 180 degrees Fahrenheit. All filters shall be rated Class 2 under U.L. std. 900