



# Z-LINE® SERIES AIR CLEANER FILTERS

## FEATURES

Glasfloss Z-Line Series Air Cleaner Replacement Filters offer convenient alternatives when replacement of the original filter is necessary.

- The Z-Line 700 SG filter replacement option for Aprilaire® (formerly Space-Gard®) media #201, features a convenient cartridge design to save time and money.
- The Z-Line 500 AB and 300 AB filters are replacement options for the Trion Air Bear® and Air Cub® filters.
- The Z-Line 400 HW is a filter replacement option for the Honeywell® F-100 cartridge filters.
- The Z-Line 400 HWR is a filter replacement option for the Honeywell® FC40R cartridge filters.

Glasfloss Z-Line Series Air Cleaner Replacement Filters achieve a MERV 8 or MERV 11 per ASHRAE 52.2 Test Standard.

## CONSTRUCTION

Glasfloss Z-Line Series Air Cleaner Replacement Filters utilize 100% synthetic media that is laminated to a galvanized steel backing that stabilizes the media during operation.

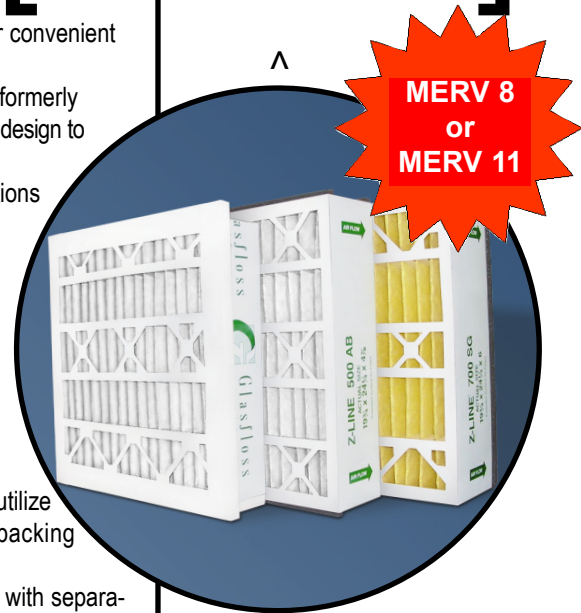
The pleats are formed in a radial configuration and controlled with separators on the air entering side to ensure proper dust loading. The pleated cartridge is encapsulated and bonded into a heavy-duty, beverage board frame to ensure filter integrity in high moisture applications. A gasket is standard on Z-Line 700 SG, 500 AB and 300 AB Series to prevent air bypass. Each filter is sealed in plastic to prevent contamination before use.

## APPLICATIONS

Glasfloss Z-Line Series Air Cleaner Replacement Filters are the perfect option for maintaining or upgrading specific residential or commercial systems. All Glasfloss air cleaner filters install easily without modification to the original housing.

## OPTIONS

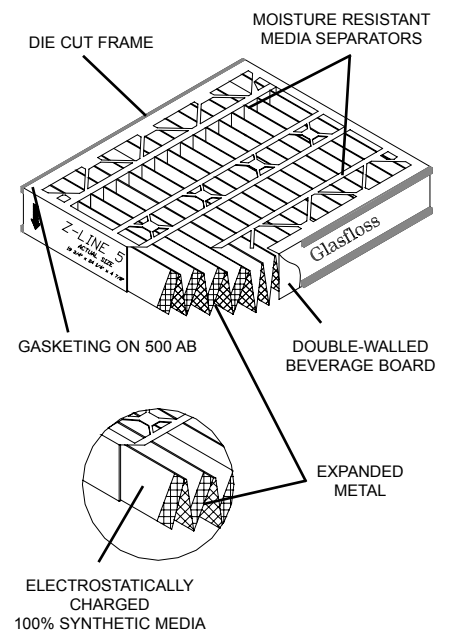
A carbon media option is available on the Z-Line 700 SG, 500 AB and 300 AB models for odor control applications.



- MERV 8 or MERV 11
- Replacement Options for Aprilaire (formerly Space-Gard), Trion and Honeywell Air Cleaners
- Electrostatically Charged, 100% Synthetic Media
- Heavy-duty, Moisture Resistant Construction
- Carbon Media Available for Odor Control

## SPECIFICATIONS

Glasfloss Z-Line Series Air Cleaner Replacement Filters shall be of the extended surface pleated media type. The media utilized shall be electrostatically charged, 100% synthetic fibers. An expanded metal reinforcement will be laminated to the air leaving side of the media by a thermo-setting adhesive to maintain continuity of the radial pleats. The expanded metal shall be galvanized to resist rust and corrosion. Moisture resistant separators are used to insure pleat integrity during operation. The pleated cartridge will be bonded to the peripheral interior of the outer frame. A heavy-duty, moisture resistant, die cut beverage board will be utilized for an encasing frame. The frame face will be internally laminated to the pleated cartridge apexes. Gasketing on the assembled filter prevents air bypass on the Z-Line 700 SG, 500 AB and the 300 AB. Each Z-Line Series Air Cleaner Replacement Filter is individually wrapped in a plastic sleeve to protect it from contamination before installation. All filters shall be Class 2 under U.L. std. 900 and be rated up to 180 degrees Fahrenheit. The Z-Line Series Air Cleaner Replacement Filters shall be rated MERV 8 or MERV 11 when tested in accordance with the ASHRAE 52.2 Test Standard.



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# Z-LINE<sup>®</sup> SERIES

## AIR CLEANER FILTERS

| MODEL NUMBER | SIZE W x H x D NOMINAL | SIZE W x H x D EXACT | RATED VELOCITY FPM | INITIAL RESIST. IN. W.G. |         | MEDIA SQUARE FEET | SIZE W x H x D NOMINAL MM | RATED VELOCITY M/H | INITIAL RESIST. PASCALS |         |
|--------------|------------------------|----------------------|--------------------|--------------------------|---------|-------------------|---------------------------|--------------------|-------------------------|---------|
|              |                        |                      |                    | MERV 8                   | MERV 11 |                   |                           |                    | MERV 8                  | MERV 11 |

### Z-Line 700 SG

|            |             |                         |     |     |     |       |                 |      |       |      |
|------------|-------------|-------------------------|-----|-----|-----|-------|-----------------|------|-------|------|
| SGP20256   | 25 x 20 x 6 | 24-1/4 x 19-3/4 x 5-7/8 | 300 | .11 | .13 | 42.00 | 635 x 508 x 152 | 5490 | 27.3  | 32.3 |
| SGP20256AC | 25 x 20 x 6 | 24-1/4 x 19-3/4 x 5-7/8 | 300 | .21 | .24 | 42.00 | 635 x 508 x 152 | 5490 | 52.24 | 59.7 |

AC = Activated Carbon

### Z-Line 500 AB & 300AB

|            |             |                         |     |     |     |       |                 |      |      |      |
|------------|-------------|-------------------------|-----|-----|-----|-------|-----------------|------|------|------|
| ABP16255   | 16 x 25 x 5 | 15-3/4 x 24-1/4 x 4-7/8 | 300 | .12 | .14 | 28.05 | 406 x 635 x 127 | 5490 | 29.8 | 34.8 |
| ABP20205   | 20 x 20 x 5 | 19-1/4 x 20-3/4 x 4-7/8 | 300 | .12 | .14 | 23.45 | 508 x 508 x 127 | 5490 | 29.8 | 34.8 |
| ABP20255   | 25 x 20 x 5 | 24-1/4 x 19-3/4 x 4-7/8 | 300 | .12 | .14 | 32.00 | 635 x 508 x 127 | 5490 | 29.8 | 34.8 |
| ABP20255AC | 25 x 20 x 5 | 24-1/4 x 19-3/4 x 4-7/8 | 300 | .22 | .24 | 32.00 | 635 x 508 x 127 | 5490 | 54.7 | 59.6 |
| ABP16253   | 16 x 25 x 3 | 15-7/8 x 24-1/4 x 2-7/8 | 300 | .21 | .23 | 11.50 | 406 x 635 x 76  | 5490 | 52.2 | 57.2 |

AC = Activated Carbon

### Z-Line 400 HW

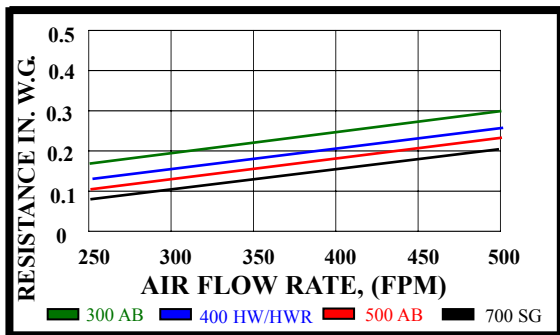
|          |                 |                     |     |     |     |       |                 |      |      |      |
|----------|-----------------|---------------------|-----|-----|-----|-------|-----------------|------|------|------|
| HWP13204 | 12-1/2 x 20 x 4 | 12-1/2 x 20 x 4-3/8 | 300 | .13 | .15 | 12.37 | 318 x 508 x 102 | 5490 | 34.8 | 39.7 |
| HWP16204 | 16 x 20 x 4     | 16 x 19-7/8 x 4-3/8 | 300 | .13 | .15 | 15.34 | 406 x 508 x 102 | 5490 | 34.8 | 39.7 |
| HWP16254 | 16 x 25 x 4     | 16 x 24-7/8 x 4-3/8 | 300 | .13 | .15 | 19.28 | 406 x 635 x 102 | 5490 | 34.8 | 39.7 |
| HWP20204 | 20 x 20 x 4     | 20 x 19-7/8 x 4-3/8 | 300 | .13 | .15 | 19.44 | 508 x 508 x 102 | 5490 | 34.8 | 39.7 |
| HWP20254 | 20 x 25 x 4     | 20 x 24-7/8 x 4-3/8 | 300 | .13 | .15 | 24.43 | 508 x 635 x 102 | 5490 | 34.8 | 39.7 |

### Z-Line 400 HWR

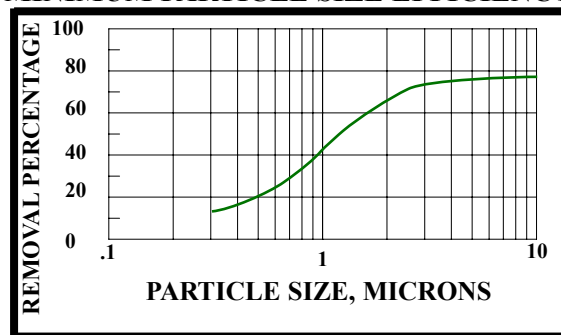
|          |             |                         |     |     |     |       |                 |      |      |      |
|----------|-------------|-------------------------|-----|-----|-----|-------|-----------------|------|------|------|
| HWR12124 | 12 x 12 x 4 | 11-3/4 x 11-3/4 x 3-3/4 | 300 | .15 | .17 | 4.45  | 305 x 305 x 102 | 5490 | 37.3 | 42.3 |
| HWR12244 | 12 x 24 x 4 | 11-3/4 x 23-3/4 x 3-3/4 | 300 | .15 | .17 | 10.08 | 305 x 610 x 102 | 5490 | 37.3 | 42.3 |
| HWR14144 | 14 x 14 x 4 | 13-3/4 x 13-3/4 x 3-3/4 | 300 | .15 | .17 | 6.59  | 356 x 356 x 102 | 5490 | 37.3 | 42.3 |
| HWR14204 | 14 x 20 x 4 | 13-3/4 x 19-3/4 x 3-3/4 | 300 | .15 | .17 | 10.03 | 356 x 508 x 102 | 5490 | 37.3 | 42.3 |
| HWR14254 | 14 x 25 x 4 | 13-3/4 x 24-3/4 x 3-3/4 | 300 | .15 | .17 | 12.89 | 356 x 635 x 102 | 5490 | 37.3 | 42.3 |
| HWR16204 | 16 x 20 x 4 | 15-3/4 x 19-3/4 x 3-3/4 | 300 | .15 | .17 | 10.94 | 406 x 508 x 102 | 5490 | 37.3 | 42.3 |
| HWR16254 | 16 x 25 x 4 | 15-3/4 x 24-3/4 x 3-3/4 | 300 | .15 | .17 | 14.06 | 406 x 635 x 102 | 5490 | 37.3 | 42.3 |
| HWR20204 | 20 x 20 x 4 | 19-3/4 x 19-3/4 x 3-3/4 | 300 | .15 | .17 | 14.58 | 508 x 508 x 102 | 5490 | 37.3 | 42.3 |
| HWR20254 | 20 x 25 x 4 | 19-3/4 x 24-3/4 x 3-3/4 | 300 | .15 | .17 | 18.75 | 508 x 635 x 102 | 5490 | 37.3 | 42.3 |
| HWR20304 | 20 x 30 x 4 | 19-3/4 x 29-3/4 x 3-3/4 | 300 | .15 | .17 | 22.79 | 508 x 762 x 102 | 5490 | 37.3 | 42.3 |
| HWR24244 | 24 x 24 x 4 | 23-3/4 x 23-3/4 x 3-3/4 | 300 | .15 | .17 | 22.40 | 610 x 610 x 102 | 5490 | 37.3 | 42.3 |

Tolerances shall be +/- 1/8" for height, width and +/- 1/16" depth. Recommended final resistance is .50" in. w. g.

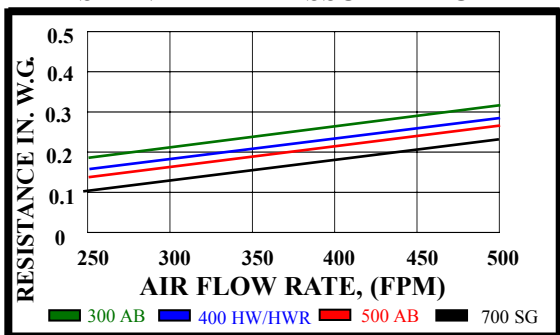
**MERV 8**  
STANDARD PRESSURE DROP



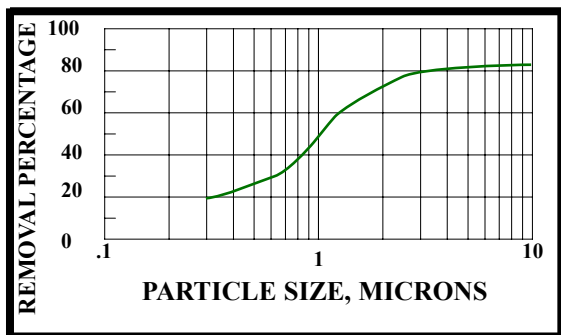
**MERV 8**  
MINIMUM PARTICLE SIZE EFFICIENCY



**MERV 11**  
STANDARD PRESSURE DROP



**MERV 11**  
MINIMUM PARTICLE SIZE EFFICIENCY





700 SG

**Z-Line 700 SG (Aprilaire®) :** A replacement option for the Aprilaire (formerly Space-Gard) media #201. The Z-Line 700 SG comes factory assembled to assure quality and easy installation. The Z-Line 700 SG incorporates 100% synthetic fibers that are electrostatically charged, thermally bonded and manufactured in an engineered gradient structure. The Z-Line 700 SG achieves a MERV 8 or MERV 11 when tested in accordance with the ASHRAE 52.2 Test Standard. Pre-applied gasketing on the assembled filters helps prevent air bypass.

Installation is quick:

- a) Simply remove the internal plastic frame from the external metal housing and remove the dirty filter and its components.
- b) Install the new Z-Line 700 SG filter with the metal grid (air leaving side) facing up and close the plastic frame and slide it back into the metal housing.

The Glasfloss Z-Line 700 SG is also available in the 700 SGX, an activated carbon media. Refer to Z-Line SGX when ordering. Each filter is sealed in plastic to avoid contamination before use.

Aprilaire is a registered trademark of Research Products Corporation.



500 AB & 300 AB

**Z-Line 500 AB (Air Bear®) & 300 AB (Air Cub®) :** These pleated filters are an ideal replacement option for the Trion Air Bear and Air Cub filters. The Z-Line 500 AB & 300 AB incorporate 100% synthetic fibers that are electrostatically charged, thermally bonded and manufactured in an engineered gradient structure. The Z-Line 500 AB & 300 AB achieves a MERV 8 or MERV 11 when tested in accordance with the ASHRAE 52.2 Test Standard. Pre-applied gasketing on the top and bottom of the filters help prevent air bypass. No modification to the filter frame is necessary.

The Glasfloss 500 AB & 300 AB filters are available with activated carbon to absorb unpleasant household odors. Refer to Z-Line 500 ABX & 300 ABX when ordering. Each filter is sealed in plastic to avoid contamination before use.

Air Bear and Air Cub are registered trademarks of Trion Inc.

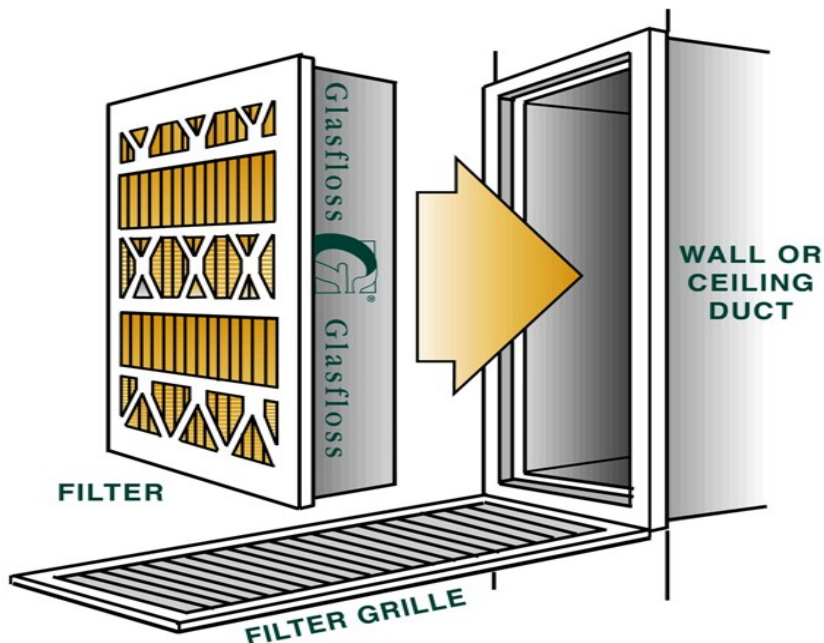


400 HW & HWR

**Z-Line 400 HW & HWR (Honeywell®) :** Replacement options for the Honeywell F-100 and FC40R air cleaner filters. The Z-Line 400 HW and 400 HWR incorporate 100% synthetic fibers that are electrostatically charged, thermally bonded and manufactured in an engineered gradient structure. The Z-Line 400 HW and 400 HWR achieve a MERV 8 or MERV 11 when tested in accordance with the ASHRAE 52.2 Test Standard. Each filter is sealed in plastic to avoid contamination before use.

Honeywell is a registered trademark of Honeywell Products, Inc.

**Glasfloss HWR Filter (Wall or Ceiling Mounted)**  
 Requires a Minimum 3 7/8" Duct Depth Opening to Accept This Filter.



- MERV 8 or MERV 11
- 100% Synthetic Fibers
- Stable Media Charge
- High Initial Efficiency
- Thermally Bonded
- Fibers Resist Shedding
- Media Doesn't Absorb Moisture
- Continuous Fibers
- No Chemical Binders

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**Air Cleaner Cross Reference Guide**

|                             |  |
|-----------------------------|--|
| <b>Air Cleaner Products</b> | <b>Glasfloss Model and Part Number</b> |
|-----------------------------|--|

|   |   |
|---|---|
| <p style="text-align: center;"><b><u>Research Products Aprilaire<sup>®</sup></u></b><br/> <u>Model 2200, 2250</u><br/>         Replacement Filter Type 201</p>  | <p style="text-align: center;"><b><u>Z-Line 700 SG MERV 8</u></b><br/><br/>         SGP20256</p>  |
| <p style="text-align: center;"><b><u>Trion<sup>®</sup></u></b><br/>         Air Bear - 255649-105<br/>         Air Bear - 255649-103<br/>         Air Bear - 255649-102<br/>         Air Cub - 255649-101</p>   | <p style="text-align: center;"><b><u>Z-Line 500 AB &amp; 300 AB MERV 8</u></b><br/><br/>         ABP16255<br/>         ABP20205<br/>         ABP20255<br/>         ABP16253</p>   |
| <p style="text-align: center;"><b><u>Honeywell<sup>®</sup></u></b><br/> <u>Model F-100</u><br/>         FC100A1052<br/>         FC100A1003<br/>         FC100A1029<br/>         FC100A1011<br/>         FC100A1037</p>  | <p style="text-align: center;"><b><u>Z-Line 400 HW MERV 8</u></b><br/><br/>         HWP13204<br/>         HWP16204<br/>         HWP16254<br/>         HWP20204<br/>         HWP20254</p>  |
| <p style="text-align: center;"><b><u>Honeywell<sup>®</sup></u></b><br/> <u>Model FC40R</u><br/>         FC40R1078<br/>         FC40R1029<br/>         FC40R1003<br/>         FC40R1011<br/>         FC40R1052<br/>         FC40R1060<br/>         FC40R1102<br/>         FC40R1110<br/>         FC40R1045<br/>         FC40R1037<br/>         FC40R1094</p> | <p style="text-align: center;"><b><u>Z-Line 400 HWR MERV 8</u></b><br/><br/>         HWR24244<br/>         HWR20304<br/>         HWR20204<br/>         HWR20254<br/>         HWR16204<br/>         HWR16254<br/>         HWR14144<br/>         HWR14204<br/>         HWR14254<br/>         HWR12244<br/>         HWR12124</p> |

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