![Glasfloss Industries logo - Excellence in Air Filtration Since 1936]

GLASFLOSS BUSINESS POLICY

DOMESTIC TERMS OF PAYMENT: 1% 10 days, NET 30, (pending credit approval). Any invoice past due is subject to a service charge of 1-1/2% per month (18% annual rate), plus attorney fees if collection becomes necessary. An invoice past due may result in orders being put on hold until account is on a current basis, including finance charges.

MULTIPLIERS - Multipliers are listed on the Distributor Multiplier Sheet. All exceptions must be authorized or confirmed in writing by Glasfloss Management. Glasfloss reserves the right to change multipliers and pricing without notice.

PLACING ORDERS - E-mail orders are welcome at: order_entry@glasfloss.com or you can fax your orders toll free at (800) 435 8377.
Glasfloss requires a fax or E-mail confirmation on verbal orders from the customer to assure accuracy. If requested, Glasfloss will send a fax confirmation on all verbal orders to ensure order accuracy. The customer is held responsible for confirming the order and addressing any mistakes within 24 hours. The customer is responsible for all discrepancies after 24 hours.

SAMPLES - The customer is responsible for all shipping costs of samples. Full-size samples are available at the standard catalog price.

FREIGHT TERMS - All products are FOB shipping point. Shipments will be freight collect, prepaid & add or third party billed. Customers requesting that freight bills are pre-paid and added to their invoice are subject to a processing fee. Orders subject to any freight allowances will be confirmed by Glasfloss in writing. Freight allowed orders are subject to Freight Surcharges when necessary and can change without notice. Shipments may also incur Accessorial Surcharges from the freight line companies and will be billed accordingly. A few examples of accessorial charges include – residential, redelivery, limited access, inside delivery, lift gate, correctional facilities, schools, detention. Glasfloss reserves the right to designate the freight allowed carrier; variations may result in freight surcharges. Glasfloss will only quote freight estimates as a guideline and cannot guarantee accuracy nor be responsible for discrepancies. Inaccuracies in shipping processes do not absolve the responsible party from freight charges. Request for a call before delivery on any order is subject to a $25.00 NET fee. It is the responsibility of the Glasfloss Customer to determine any unique delivery and/or receiving requirements of the consignee and advise Glasfloss accordingly at the time the order is received. Failure to do so may result in shipping surcharges and/or the inability to deliver. Incurred costs from these unique deliveries and/or receiving requirements will be appropriately invoiced to the Glasfloss Customer even in the event of delivery failure due to the unknown requirements. Glasfloss will not hold completed orders (per customer request) that are ready to be shipped or picked-up past 10 days; these completed orders will be shipped after 10 days at the customer's expense.

FREIGHT CLAIMS - The responsibility to file claims on damaged products rests with the consignee. Products must be counted and inspected immediately upon receipt. If items are missing or damaged, this must be clearly noted on the bill of lading and signed as such while the driver is still there. Hidden damages not noted on delivery receipt, must be reported to carrier within 5 days of delivery. Damaged product will need to be held up to 120 days or until carrier advises of disposition instructions. If the order is being shipped directly to your customer, they must be aware of this policy. Claim should then be immediately filed with the carrier. Method of shipment is at the discretion of Glasfloss, unless otherwise specified. Customers requesting shipments from facilities other than their designated plant of origin may be responsible for additional freight charges.
Occasionally large orders are palletized and shrink wrapped by the freight carriers. It is your responsibility to break down and thoroughly inspect each pallet for damage. Once the order is signed for and accepted, it is your property.

"Serving You With Locations Throughout The Nation"
Glasfloss has a policy of uninterrupted research, development and product improvement
and reserves the right to change design and specifications without notice.

DROP SHIPMENTS - Direct or drop shipments are acceptable and are considered individual shipments. Freight terms and minimum order amount will apply to each location. Any shipment refused by your customer, for any reason, is the customer's responsibility. All freight incurred on any shipment refused by the customer, regardless of reason, is your responsibility. Inaccuracies in shipping processes do not absolve the responsible party from freight charges. Offsetting credits may be issued on a pro-rated basis at the shipper's discretion.

RETURNED MATERIALS -The following procedure will apply to returned materials:
1. Obtain written authorization and an RMA number from the Glasfloss Customer Service Department (furnish invoice number and date). If material returns are made without prior authorization and an RMA number, Glasfloss will refuse the shipment.
2. Only standard sizes of Disposable & Z-Line Series - "ZLP" & "ZXP" filters are eligible for return.
3. Products shipped in error by the factory will be accepted for return providing Glasfloss is notified within 30 days from the date of the invoice.
4. Glasfloss reserves the right to inspect all returned products and make final determination upon receipt. At that time, applicable credit will be issued.
5. All returns must be shipped freight prepaid unless there has been an error by the factory.
6. A credit will be issued at the invoice price, less a 25% restocking charge, upon inspection and acceptance at the factory.
7. Products will not be accepted for return after 120 days past the invoice date.
8. All RMA's must be returned within 30 days of issue.

DEBIT MEMO - Debit Memos issued to Glasfloss must be received within 15 days from the ship date.

PARCEL SHIPPING POLICY - There will be a $.85 processing fee per package. To ensure lowest shipping cost Glasfloss may re-package over-size filters in parcel packs at a fee of $1.50 per box. If Glasfloss is given the incorrect shipping address, there will be a $16.50 charge per package. Any additional charges by the carrier will be the responsibility of the customer. Parcel carrier chosen at Glasfloss' discretion to best service the customer.

STANDARD PACKAGING & PRODUCT DESCRIPTION - Standard size products will only be shipped in standard case quantities, as indicated in the catalog. Orders for less than standard packaging will be increased to meet the standard case quantity. The responsibility for proper sizing, part number identification and selection of a filter rests solely with the distributor.

CARTON TAGGING CHARGE - Tagging is available upon written request; There will be a $1.00 NET per carton tagging fee charge.

SLIP SHEETING & PALLETIZING CHARGES - Slip Sheeting is available upon request at **$12.50 NET charge per Slip Sheet**. Palletizing is available upon request at **$17.50 NET charge per pallet**.

MINIMUM ORDER - A minimum order of $100.00 (NET amount of invoice) will apply to all orders. Orders of lesser amount are subject up to a $10.00 processing fee.

EXPEDITING FEE – Expedited orders will be subject to a 10% total order "Expediting Fee".

No one from Glasfloss including any agent, representative, salesperson, dealer or distributorship has the authority to expand the Company's obligation beyond the terms of this policy letter or to state that the performance or the product is other than published by Glasfloss Industries. 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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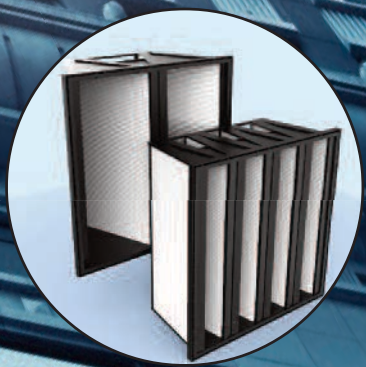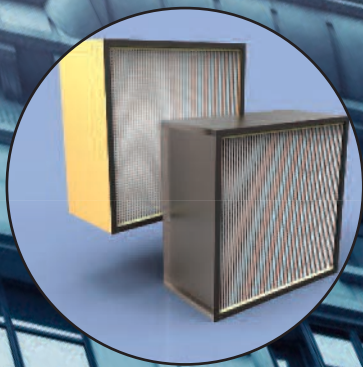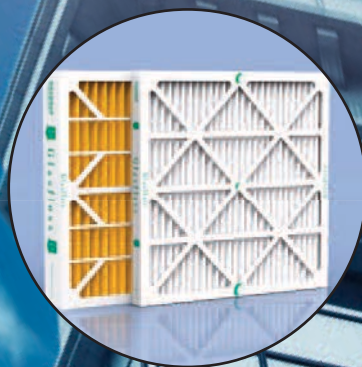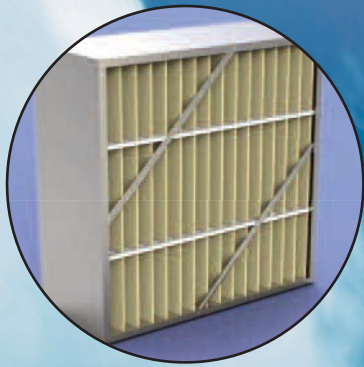
Glasfloss® Industries

Excellence in Air Filtration Since 1936

Your National Source for Air Filtration

With five manufacturing facilities across the U.S. to serve you.

Glasfloss Industries – The Clear Choice Since 1936

GDS 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 design provides 10% greater open media area than traditional metal grill filters and offers excellent dust holding capacity. In addition, the design allows for easier disposal, eliminates sharp edges for safer handling and reduces carton weight for lower shipping costs. The GDS disposable panel filter is available in 1" and 2" depths in many standard sizes.

Z-Line® Series Pleated Filters

The Z-Line® Series pleated filters offer improved performance for virtually every application. All Z-Line® filters feature fibers which do not absorb moisture and will not support microbial growth. Z-Line® ZL and HV filters achieve a MERV 10 rating and MR-11 filters achieve a MERV 11 rating per the ANSI/ASHRAE 52.2 Test Standard.

The Z-Line® Series products include:
ZL - Offers excellent performance and value for a wide range of applications.
HV - Ideal in high-velocity systems where maximum square footage of media is necessary.
MR-11 - Provides high performance with low pressure drop for energy efficiency.

Bulk Media & Pre-Cut Pads

Glasfloss offers a variety of pre-cut pads and bulk media for prefilter or primary filter applications. Glasfloss pre-cut pads and bulk media come in a variety of fiberglass and 100% non-woven polyester grades that are designed for light to heavy dust-loading applications. Standard size pre-cut pads are packaged in a heavy-duty carton that allows quick access and keeps the media clean before installation. Service rolls are available and are packaged in an easy to use cardboard dispenser box.

Air Cleaner Replacement Filters

Glasfloss Z-Line® Series Air Cleaner Replacement Filters offer convenient alternatives when replacement of the original filter is necessary. The Z-Line 500AB *(Air Bear®), 700SG (Aprilaire®), 600GA (Goodman® and Amana®), 400HW (Honeywell F-100®) and HWR Series (Honeywell FC40R®) are replacement options that require no modification to the existing housing. All are rigidly constructed utilizing high quality MERV 10, MERV 11 or MERV 13 rated filtration media backed with a metal mesh to prevent sagging during operation.

Poly Rings, Sleeves & Links

Glasfloss Poly Ring filters are made with the highest quality, multiple ply, polyester media for maximum depth loading and service life. The poly ring media is thermally sealed around a heavy-duty internal wire frame to ensure maximum durability. From an air entering filter for paint booths to upgrading a lower efficient filter installation, the Poly Ring panel filter is perfect for many filtration applications. Available in links and sleeves. PR-10 and PR-20 Poly Rings are rated MERV 8.

Z-Line® Series Carbotron® Pleated Filters

The Z-line® Series Carbotron® pleated filter combines MERV 8 particulate filtration and carbon odor removal in a single filter unit with low pressure drop. The activated carbon used in the Carbotron® Pleat has millions of tiny openings that adsorb odorous gas molecules from the air, so clean fresh smelling air remains. The Carbotron® pleat comes in a variety of sizes to directly replace existing filters with no modification to the system.

Z-Pak® & Z-Pak® GT Rigid Cell Filters

The Glasfloss Z-Pak® extended surface filter is designed for medium and high efficiency applications. The high density microfine fibers consistently provide high performance ratings. The Glasfloss Z-Pak® is available in box or header styles and comes in a wide variety of sizes and efficiency ranges for commercial or industrial applications. Z-Pak® filters are ideal for variable air volume systems (VAV). The Z-Pak® GT is ideal for gas turbine engine, centrifugal compressor and other high velocity applications.

Magna 600, 800, 900, HEPA, GT & HT Series

The Glasfloss Magna Series of rigid cell high efficiency and HEPA grade filters are designed to meet exact specifications in high efficiency systems. Available in a wide range of efficiencies, sizes, frame types and header combinations, the Glasfloss Magna Series combines state-of-the-art construction techniques with superior reliability offering maximum value. The Magna GT is ideal for gas turbine engine, centrifugal compressor and other high velocity applications. Magna HT filters are available for high temperature applications.

*(Air Bear is a registered trademark of Trion Inc.; Aprilaire is a registered trademark of Research Products, Inc.;

The Clear Choice Since 1936

Excel® & Purapak® Medium & High Efficiency Bag Filters

Glasfloss offers a complete line of synthetic and fiberglass extended surface media bag filters to meet a wide range of applications. Glasfloss bag filters are rigidly constructed utilizing an exclusive internal header design that provides dependable performance. Both synthetic and fiberglass bag filters are available in a wide variety of efficiencies in standard and special sizes.
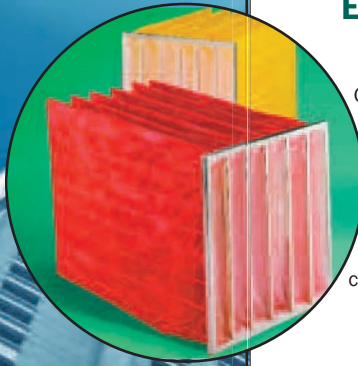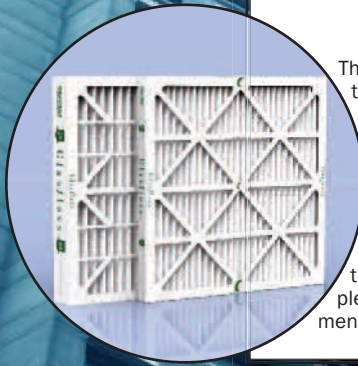
Quad & Cube Polyester Filters

The Glasfloss line of polyester bag filters offers medium efficiency performance for a wide range of applications. The rigid, self-seal design of these filters helps prevent air bypass and allows the filters to operate under adverse conditions, especially where high humidity is present. Glasfloss Cube and Quad 440 filters feature a two-stage media for maximum efficiency and service life. The Glasfloss Quad 420 features a single stage media and is less restrictive to airflow.
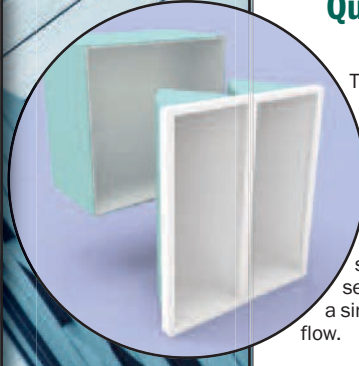
Z-Line® Series MR-13 Pleated Filters

The Z-Line® MR-13 Series pleated air filter features the latest in media technology to achieve MERV 13 while maintaining low pressure drop and good service life. The Z-Line® Series MR-13 pleat is optimized for "LEED" compliance in new and existing buildings as well as providing a cost-effective upgrade from lower efficiency pleated filters for a variety of commercial and industrial applications. The Z-Line® Series MR-13 pleat is available in many standard face dimensions in 1", 2" and 4" depths.
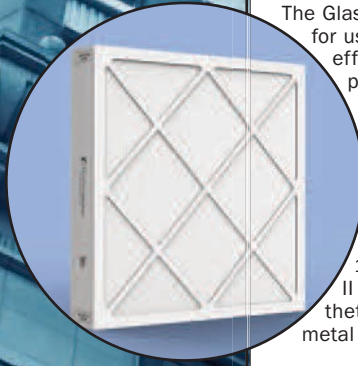
Puracell® 5V Mini-Pleat Series

The Glasfloss Puracell 5V mini-pleat series offers HEPA grade performance, extremely low resistance to air flow and extended service life. The chemical resistant aluminum framework provides exceptional strength. The Glasfloss Puracell 5V mini-pleat series are produced in MERV 16 and 99.99% @ .30 micron size performance ranges and are available in exact or nominal standard sizes.
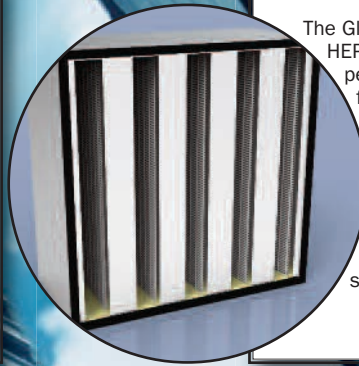
Puracell® II Mini-Pleat Series

The Glasfloss Puracell® II Mini-Pleat Filter is ideal for use in applications where a high degree of efficiency is required in a 2" and 4" mini-pleat design. The Puracell® II offers unique advantages over traditional filters which include low cost, reduced weight and size and less impact on landfills. The Puracell® II fiberglass media is available in standard and special sizes in MERV 11, 13, 14 & 15 efficiencies, while Puracell® II-S synthetic media is available in MERV 11, 13 and 15 efficiencies. The Puracell® II M & MH fiber Series and M-S MH-S synthetic Series are available where heavy-duty metal frame construction is required.

Puracell® VP Mini-Pleat Series

The Puracell® VP Series extended surface mini-pleat filters offer high efficiency particulate removal, extended service life and extremely low resistance to air flow. The filters incorporate a lightweight, high-impact polystyrene framework for strength and durability in demanding commercial and industrial applications. The Puracell® VP and VPX Series are available in MERV 11, 13, 14 and 15. The VP Series is also available in MERV 16 and 99.97% HEPA grade. The VP-S and VPX-S synthetic Series are available in MERV 11, 13 and 15 efficiencies. VP-GA High-Efficiency Gas Adsorber filters with activated carbon are also available.
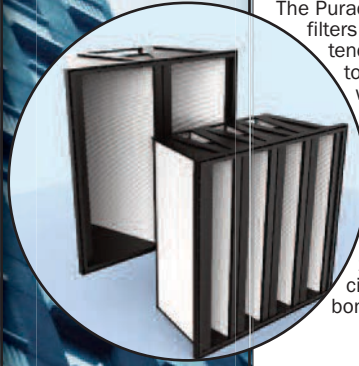
Puracell® II P Mini-Pleat Series

The Glasfloss Puracell® II P 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 filters combine 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 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 filters incorporate fiberglass media and are available in MERV 11, 13, 14 & 15 efficiencies, and Puracell® II P-S & PH-S filters incorporate synthetic media are are available in MERV 11, 13 & 15 efficiencies.
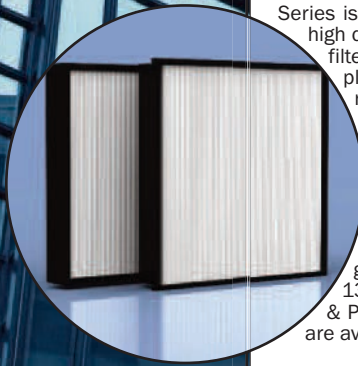
Z-Pak® HC Series High Capacity Rigid Cell Filters

Glasfloss Z-Pak® HC rigid cell filters are designed for high efficiency applications and incorporate two individual filtration media layers that provide very low initial pressure drop in addition to a high dust holding capacity for superior service life. The Z-Pak® HC's total rigid construction makes it ideal for variable air volume systems (VAV), where changes in air flow can have an adverse effect on non-rigid type filters. Z-Pak® HC filters are designed to handle high airflow and are available in MERV 14 performance.
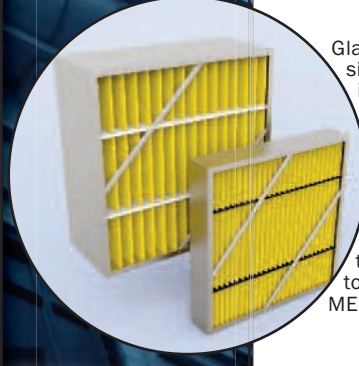
Over 87 years of Excellence

Glasfloss Industries is the oldest American owned and operated manufacturer of HVAC filters. Established in 1936, Glasfloss has grown from a small, special-size air filter fabricator in New York City to a full-line manufacturer with plants strategically located throughout the United States.

After decades of serving the air filtration industry, Glasfloss has built a worldwide reputation for quality products which provide reliable performance and superior value. Our unique ability to work with customers on special product needs and requests is the result of over 87 years of manufacturing experience and our continuing commitment to research and development.

Today with new technologies and expanding production capabilities, Glasfloss leads the industry the same way it started more than 87 years ago: by furnishing the special needs of the air filtration industry with quality products, competitive prices, and the best lead times in the industry.

From Disposable Panel Filters to HEPA filters, Glasfloss is the Clear Choice for all of your air filtration needs.

Glasfloss manufactures a variety of medium and high efficiency air filters which can be specified for LEED certification applications. For specific information on these products, please contact your local Glasfloss Sales Representative.

Five manufacturing facilities across the U.S. to serve you.

Juneau, WI
Lancaster, OH
Reno, NV
DeSoto, TX
Jacksonville, FL

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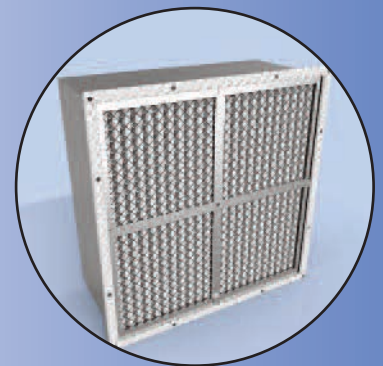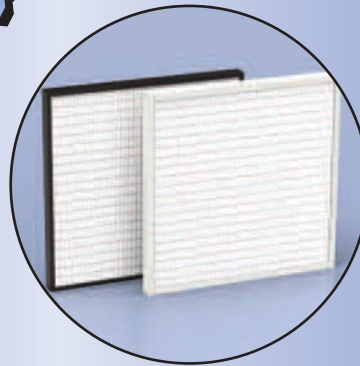
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www. glasfloss.com

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National Air
Filtration
Association

HARDI

MADE IN U. S. A.

Bulletin No. GBR - 1-12-2023

Glasfloss®

[**GDS Disposable Panel Filters**]

- Progressively Dense Heavy Duty Media
- Heavy-Duty One Piece Box Frame Construction
- Thermally Bonded

FEATURES >

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 design provides 10% greater open media area than traditional metal grill filters and offers excellent dust holding capacity. In addition, the design allows for easier disposal, eliminates sharp edges for safer handling and reduces carton weight for lower shipping costs. The GDS disposable panel filter is available in 1" and 2" depths in many standard sizes.

The Glasfloss GDS disposable filter 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 the air leaving side. The media and reinforced strut retainers shall be glued and sealed inside a heavy-duty, craftboard frame. All filters shall be classified under U.L. std. 900.

< SPECIFICATIONS

CRAFTBOARD FRAME

GLUE BEADS

DOUBLE REINFORCE-
MENT STRUTS

FIBERGLASS MEDIA

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
10 x 10 x 1	9-5/8 x 9-5/8 x 3/4	300	0.09	0.69	254 x 254 x 25	5490	22.41
10 x 20 x 1	9-5/8 x 19-5/8 x 3/4	300	0.09	1.38	254 x 508 x 25	5490	22.41
10 x 24 x 1	9-5/8 x 23-5/8 x 3/4	300	0.09	1.66	254 x 610 x 25	5490	22.41
10 x 25 x 1	9-5/8 x 24-5/8 x 3/4	300	0.09	1.75	254 x 635 x 25	5490	22.41
10 x 30 x 1	9-5/8 x 29-5/8 x 3/4	300	0.09	2.08	254 x 762 x 25	5490	22.41
12 x 20 x 1	11-5/8 x 19-5/8 x 3/4	300	0.09	1.66	305 x 508 x 25	5490	22.41
12 x 24 x 1	11-5/8 x 23-5/8 x 3/4	300	0.09	2.00	305 x 610 x 25	5490	22.41
12 x 25 x 1	11-5/8 x 24-5/8 x 3/4	300	0.09	2.08	305 x 635 x 25	5490	22.41
12 x 30 x 1	11-5/8 x 29-5/8 x 3/4	300	0.09	2.50	305 x 762 x 25	5490	22.41
14 x 20 x 1	13-5/8 x 19-5/8 x 3/4	300	0.09	1.94	356 x 508 x 25	5490	22.41
14 x 25 x 1	13-5/8 x 24-5/8 x 3/4	300	0.09	2.43	356 x 635 x 25	5490	22.41
14 x 30 x 1	13-5/8 x 29-5/8 x 3/4	300	0.09	2.91	356 x 762 x 25	5490	22.41
15 x 20 x 1	14-5/8 x 19-5/8 x 3/4	300	0.09	2.08	381 x 508 x 25	5490	22.41
15 x 30-5/8 x 1	14-5/8 x 30-1/4 x 3/4	300	0.09	3.19	381 x 778 x 25	5490	22.41
16 x 16 x 1	15-5/8 x 15-5/8 x 3/4	300	0.09	1.77	406 x 406 x 25	5490	22.41
16 x 20 x 1	15-5/8 x 19-5/8 x 3/4	300	0.09	2.22	406 x 508 x 25	5490	22.41
16 x 25 x 1	15-5/8 x 24-5/8 x 3/4	300	0.09	2.47	406 x 635 x 25	5490	22.41
18 x 25 x 1	17-5/8 x 24-5/8 x 3/4	300	0.09	3.13	457 x 635 x 25	5490	22.41
20 x 20 x 1	19-5/8 x 19-5/8 x 3/4	300	0.09	2.77	508 x 508 x 25	5490	22.41
20 x 25 x 1	19-5/8 x 24-5/8 x 3/4	300	0.09	3.47	508 x 635 x 25	5490	22.41
22 x 22 x 1	21-5/8 x 21-5/8 x 3/4	300	0.09	3.36	559 x 559 x 25	5490	22.41
24 x 24 x 1	23-5/8 x 23-5/8 x 3/4	300	0.09	4.00	610 x 610 x 25	5490	22.41
25 x 25 x 1	24-5/8 x 24-5/8 x 3/4	300	0.09	4.34	635 x 635 x 25	5490	22.41
8 x 30 x 1	7-5/8 x 29-5/8 x 3/4	300	0.09	1.66	203 x 762 x 25	5490	22.41
12 x 12 x 1	11-5/8 x 11-5/8 x 3/4	300	0.09	1.00	305 x 305 x 25	5490	22.41
12 x 16 x 1	11-5/8 x 15-5/8 x 3/4	300	0.09	1.33	305 x 406 x 25	5490	22.41
12 x 18 x 1	11-5/8 x 17-5/8 x 3/4	300	0.09	1.50	305 x 457 x 25	5490	22.41
12 x 36 x 1	11-5/8 x 35-5/8 x 3/4	300	0.09	3.00	305 x 914 x 25	5490	22.41
14 x 14 x 1	13 5/8 x 13 5/8 x 3/4	300	0.09	1.36	356 x 356 x 25	5490	22.41
14 x 18 x 1	13-5/8 x 17-5/8 x 3/4	300	0.09	1.75	356 x 457 x 25	5490	22.41
14 x 24 x 1	13-5/8 x 23-5/8 x 3/4	300	0.09	2.33	356 x 610 x 25	5490	22.41
15 x 25 x 1	14-5/8 x 24-5/8 x 3/4	300	0.09	2.60	381 x 635 x 25	5490	22.41
15 x 30 x 1	14-5/8 x 29-5/8 x 3/4	300	0.09	3.12	381 x 762 x 25	5490	22.41
16 x 18 x 1	15-5/8 x 17-5/8 x 3/4	300	0.09	2.00	406 x 457 x 25	5490	22.41
16 x 24 x 1	15-5/8 x 23-5/8 x 3/4	300	0.09	2.67	406 x 610 x 25	5490	22.41
16 x 30 x 1	15-5/8 x 29-5/8 x 3/4	300	0.09	3.33	406 x 762 x 25	5490	22.41
18 x 18 x 1	17-5/8 x 17-5/8 x 3/4	300	0.09	2.25	457 x 457 x 25	5490	22.41
18 x 20 x 1	17-5/8 x 19-5/8 x 3/4	300	0.09	2.50	457 x 508 x 25	5490	22.41
18 x 24 x 1	17-5/8 x 23-5/8 x 3/4	300	0.09	3.00	457 x 610 x 25	5490	22.41
18 x 30 x 1	17-5/8 x 29-5/8 x 3/4	300	0.09	3.75	457 x 762 x 25	5490	22.41
20 x 22-1/4 x 1	19-5/8 x 21-7/8 x 3/4	300	0.09	3.09	508 x 565 x 25	5490	22.41
20 x 24 x 1	19-5/8 x 23-5/8 x 3/4	300	0.09	3.33	508 x 610 x 25	5490	22.41
20 x 30 x 1	19-5/8 x 29-5/8 x 3/4	300	0.09	4.17	508 x 762 x 25	5490	22.41
24 x 30 x 1	23-5/8 x 29-5/8 x 3/4	300	0.09	5.00	610 x 762 x 25	5490	22.41

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

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
10 x 20 x 2	9-5/8 x 19-5/8 x 1-5/8	500	0.28	1.38	254 x 508 x 51	9150	69.74
12 x 24 x 2	11-3/8 x 23-3/8 x 1-5/8	500	0.28	2.00	305 x 610 x 51	9150	69.74
14 x 20 x 2	13-5/8 x 19-5/8 x 1-5/8	500	0.28	1.94	356 x 508 x 51	9150	69.74
14 x 25 x 2	13-5/8 x 24-5/8 x 1-5/8	500	0.28	2.43	356 x 635 x 51	9150	69.74
15 x 20 x 2	14-5/8 x 19-5/8 x 1-5/8	500	0.28	2.08	381 x 508 x 51	9150	69.74
16 x 16 x 2	15-5/8 x 15-5/8 x 1-5/8	500	0.28	1.78	406 x 407 x 51	9150	69.74
16 x 20 x 2	15-5/8 x 19-5/8 x 1-5/8	500	0.28	2.22	406 x 508 x 51	9150	69.74
16 x 24 x 2	15-5/8 x 23-5/8 x 1-5/8	500	0.28	2.67	406 x 610 x 51	9150	69.74
16 x 25 x 2	15-5/8 x 24-5/8 x 1-5/8	500	0.28	2.77	406 x 635 x 51	9150	69.74
18 x 24 x 2	17-5/8 x 23-5/8 x 1-5/8	500	0.28	3.00	457 x 610 x 51	9150	69.74
20 x 20 x 2	19-5/8 x 19-5/8 x 1-5/8	500	0.28	2.77	508 x 508 x 51	9150	69.74
20 x 24 x 2	19-3/8 x 23-3/8 x 1-5/8	500	0.28	3.33	508 x 610 x 51	9150	69.74
20 x 25 x 2	19-5/8 x 24-5/8 x 1-5/8	500	0.28	3.47	508 x 635 x 51	9150	69.74
24 x 24 x 2	23-3/8 x 23-3/8 x 1-5/8	500	0.28	4.00	610 x 610 x 51	9150	69.74
25 x 25 x 2	24-5/8 x 24-5/8 x 1-5/8	500	0.28	4.34	635 x 635 x 51	9150	69.74

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

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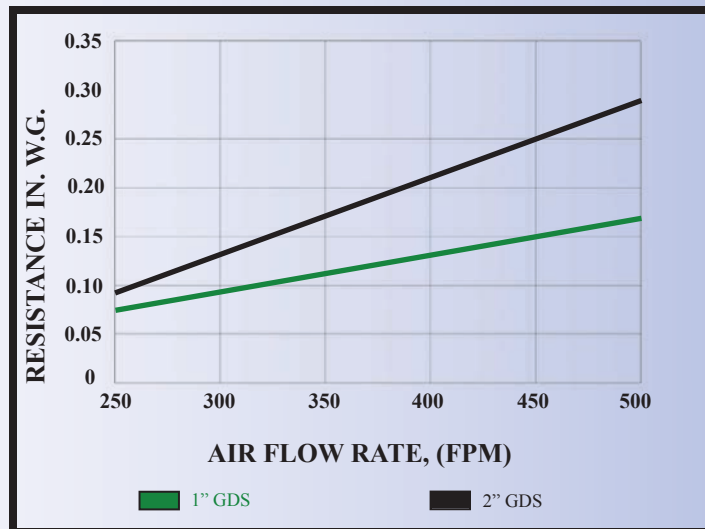
GDS Series Features

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 design provides 10% greater open media area than traditional metal grill filters and offers excellent dust holding capacity. In addition, the design allows for easier disposal, eliminates sharp edges for safer handling and reduces carton weight for lower shipping costs. The GDS disposable panel filter is available in 1" and 2" depths in many standard sizes.

Glasfloss Industries incorporates color-coded carton labels on standard sizes to help identify the product, which enhance warehouse operations and shipments.

12 PIECES
GDS DISPOSABLE
16 x 20 x 1
Part # GDS16201

(30)12 (91)GDS16201

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HARDI
HEATING, AIRCONDITIONING & REFRIGERATION DISTRIBUTORS INTERNATIONAL

MADE IN
U. S. A.

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NAFA
National Air
Filtration
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Glasfloss® Industries
Excellence in Air Filtration Since 1936

GDS DISPOSABLE FILTERS

Part Number	1" GDS Standards	List Price	Ctn. Weight
GDS16201	16x20x1	$4.33	4 LB.
GDS16251	16x25x1	$4.33	5 LB.
GDS20201	20x20x1	$4.33	5 LB.
GDS20251	20x25x1	$4.78	6 LB.
GDS10101	10x10x1	$4.77	4 LB.
GDS10201	10x20x1	$4.77	3 LB.
GDS10241	10x24x1	$4.77	4 LB.
GDS10251	10x25x1	$4.77	4 LB.
GDS10301	10x30x1	$5.24	4 LB.
GDS12121	12x12x1	$5.99	2 LB.
GDS12201	12x20x1	$4.77	4 LB.
GDS12241	12x24x1	$4.77	4 LB.
GDS12251	12x25x1	$4.77	4 LB.
GDS12301	12x30x1	$6.33	5 LB.
GDS14201	14x20x1	$4.76	4 LB.
GDS14251	14x25x1	$4.76	5 LB.
GDS14301	14x30x1	$7.66	5 LB.
GDS15201	15x20x1	$4.77	4 LB.
GDS1530K1	15x30-5/8x1	$6.59	5 LB.
GDS16161	16x16x1	$4.81	4 LB.
GDS18251	18x25x1	$6.50	5 LB.
GDS20241	20x24x1	$6.94	5 LB.
GDS22221	22x22x1	$6.50	5 LB.
GDS24241	24x24x1	$6.66	6 LB.
GDS25251	25x25x1	$6.66	7 LB.

Part Number	1" GDS Standards	List Price	Ctn. Weight
GDS08301	8x30x1	$5.99	4 LB.
GDS12161	12x16x1	$6.33	3 LB.
GDS12181	12x18x1	$7.66	3 LB.
GDS12361	12x36x1	$11.59	5 LB.
GDS14141	14x14x1	$6.94	3 LB.
GDS14181	14x18x1	$8.10	4 LB.
GDS14241	14x24x1	$6.94	4 LB.
GDS15251	15x25x1	$5.36	5 LB.
GDS15301	15x30x1	$9.17	5 LB.
GDS16181	16x18x1	$8.18	4 LB.
GDS16241	16x24x1	$6.94	5 LB.
GDS16301	16x30x1	$9.04	6 LB.
GDS18181	18x18x1	$6.94	5 LB.
GDS18201	18x20x1	$6.33	5 LB.
GDS18241	18x24x1	$6.94	5 LB.
GDS18301	18x30x1	$9.36	6 LB.
GDS18361	18x36x1	$13.31	7 LB.
GDS2022D1	20x22-1/4x1	$6.33	5 LB.
GDS20301	20x30x1	$7.81	7 LB.
GDS20361	20x36x1	$14.35	8 LB.
GDS24301	24x30x1	$7.98	7 LB.
GDS24361	24x36x1	$15.31	8 LB.

Part Number	2" GDS Standards	List Price	Ctn. Weight
GDS10202	10x20x2	$6.40	5 LB.
GDS12242	12x24x2	$6.67	6 LB.
GDS14202	14x20x2	$6.67	6 LB.
GDS14252	14x25x2	$6.67	7 LB.
GDS15202	15x20x2	$6.50	6 LB.
GDS16162	16x16x2	$7.60	6 LB.
GDS16202	16x20x2	$6.50	6 LB.
GDS16242	16x24x2	$7.60	8 LB.
GDS16252	16x25x2	$6.50	8 LB.
GDS18242	18x24x2	$7.89	8 LB.
GDS20202	20x20x2	$6.50	7 LB.
GDS20242	20x24x2	$7.89	8 LB.
GDS20252	20x25x2	$7.55	8 LB.
GDS24242	24x24x2	$7.91	10 LB.
GDS25252	25x25x2	$8.01	11 LB.

Packaging: No Broken Cases.
Standard Size Filters are packaged 12 per case

RETURNED MERCHANDISE:
25% Restocking Charge on all returnable items
Special Sizes are non-returnable
Contact Factory for Return Authorization and instructions

GTASP Made-To-Order Disposable
LIST PRICE PER EACH SIZE FILTER

SINGLE SIZE
MIN. 4" x 4" - MAX. 25" x 36"

Part Number	GROSS AREA SQ. INCHES	List Price	Part Number	List Price
		1/2" & 1"		**2"**
GTASP1A	Less than 150	$13.42	GTASP2A	$14.28
GTASP1B	150 - 199	$14.88	GTASP2B	$15.62
GTASP1C	200 - 249	$15.41	GTASP2C	$17.74
GTASP1D	250 - 299	$16.24	GTASP2D	$20.20
GTASP1E	300 - 399	$17.23	GTASP2E	$21.78
GTASP1F	400 - 499	$18.18	GTASP2F	$23.41
GTASP1G	500 - 599	$19.95	GTASP2G	$25.27
GTASP1H	600 - 699	$20.44	GTASP2H	$27.43
GTASP1I	700 - 799	$22.00	GTASP2I	$29.44
GTASP1J	800 - 899	$24.46	GTASP2J	$32.14
GTASP1K	900 - 972	$26.68	GTASP2K	$35.79

DOUBLE SIZE
MIN. 4" x 36" - MAX. 25" x 72" or 36" x 54"

Part Number	GROSS AREA SQ. INCHES	List Price	Part Number	List Price
		1/2" & 1"		**2"**
GTASP1L	120 - 149	$17.23	GTASP2L	$20.20
GTASP1M	150 - 199	$18.09	GTASP2M	$20.41
GTASP1N	200 - 249	$19.05	GTASP2N	$21.19
GTASP1O	250 - 299	$20.61	GTASP2O	$22.39
GTASP1P	300 - 399	$22.94	GTASP2P	$23.93
GTASP1Q	400 - 499	$24.17	GTASP2Q	$27.97
GTASP1R	500 - 599	$25.62	GTASP2R	$32.58
GTASP1S	600 - 699	$27.04	GTASP2S	$34.53
GTASP1T	700 - 799	$27.70	GTASP2T	$35.89
GTASP1U	800 - 899	$29.00	GTASP2U	$38.02
GTASP1V	900 - 999	$30.46	GTASP2V	$39.11
GTASP1W	1000 - 1099	$31.44	GTASP2W	$40.83
GTASP1X	1100 - 1199	$32.16	GTASP2X	$42.82
GTASP1Y	1200 - 1299	$33.32	GTASP2Y	$44.39
GTASP1Z	1300 - 1399	$34.71	GTASP2Z	$47.15
GTASP1ZA	1400 - 1499	$36.41	GTASP2ZA	$49.59
GTASP1ZB	1500 - 1599	$38.24	GTASP2ZB	$52.06
GTASP1ZC	1600 - 1699	$40.14	GTASP2ZC	$54.71
GTASP1ZD	1700 - 1799	$42.93	GTASP2ZD	$57.33
GTASP1ZE	1800 - 1899	$44.22	GTASP2ZE	$60.15
GTASP1ZF	1900 - 2001	$46.33	GTASP2ZF	$63.07

Notes:
1. Made-to-Order disposable filters over 72" to 78" in length: Add 30% to the above List Price.
2. Made-to-Order disposable filters over 78" to a maximum of 96" in length: Add 50% to the above List Price.
3. Made-to-Order disposable filters that exceed 36" x 54":   Add 30% to the above List Price.
4. Less than 12 of a size: Add 40% to the above List Price.
5. Packaging: Special size filters are bulk packed at factory discretion.
6. The unit price of Made-to-Order disposable filters is determined by the number of each size released in one shipment to one destination on one Invoice.
7. Made-to-Order sizes may be included with orders of standard size filters.

GDS "Grille" Sizes
(Exclusively Manufactured in Jacksonville, FL Plant)

Part Number	1" Actual Sizes	List Price	Ctn. Weight
GDSG12121	11-1/8x11-3/8x3/4	$8.51	3 LB.
GDSG16121	15-1/8x11-3/8x3/4	$8.51	4 LB.
GDSG18181	17-1/8x17-3/8x3/4	$8.51	7 LB.
GDSG20181	19-1/8x17-3/8x3/4	$8.51	7 LB.
GDSG20201	19-1/8x19-3/8x3/4	$8.51	7 LB.
GDSG22221	21-1/8x21-3/8x3/4	$8.51	8 LB.
GDSG24121	23-1/8x11-3/8x3/4	$8.51	5 LB.
GDSG24161	23-1/8x15-3/8x3/4	$8.51	7 LB.
GDSG24181	23-1/8x17-3/8x3/4	$8.51	10 LB.
GDSG24201	23-1/8x19-3/8x3/4	$8.51	8 LB.
GDSG24241	23-1/8x23-3/8x3/4	$8.51	9 LB.
GDSG30181	29-1/8x17-3/8x3/4	$8.51	9 LB.
GDSG30201	29-1/8x19-3/8x3/4	$8.51	10 LB.
GDSG30241	29-1/8x23-3/8x3/4	$10.18	11 LB.

"GDS Grille" Disposable Filters are non-returnable.

Glasfloss®

[Pads & Bulk Media]

- Progressively Dense Fiberglass or 100% Non-woven Polyester
- Standard and Special Sizes Available
- Skin Backing on Air Leaving Side of Fiberglass
- Service Roll in Easy-to-Use Cardboard Dispenser Box

FEATURES >

Glasfloss offers a variety of pre-cut pads and bulk media for pre-filter or primary filter applications. Glasfloss pre-cut pads and bulk media come in a variety of fiberglass and 100% non-woven polyester grades that are designed for light to heavy dust-loading applications. Standard size pre-cut pads are packaged in a heavy-duty carton that allows quick access and keeps the media clean before installation. Service rolls are available and are packaged in an easy to use cardboard dispenser box.

< SPECIFICATIONS

Media Type	Color	Nominal Thickness	Media Structure	Adhesive	Backing
Commercial	White	1" & 2"	Progressive Density Fiberglass	Light	"Skin"
Paint Arrestor	Green/White	2-1/2"	Progressive Density Fiberglass	-	"Skin"
Hi-Pak	Yellow/White	3"	Progressive Density Fiberglass	Heavy	"Skin"
HL-4	White	1"	Non-Woven Polyester	-	-
HL-8	White	2"	Non-Woven Polyester	-	-
125-4P	Blue/White	5/8"	Non-Woven Polyester	Moderate	-
125-7P	Blue/White	1"	Non-Woven Polyester	Moderate	-
P5T	Green/White	1/2"	Multi-ply Polyester	Moderate	-
P10T	Orange/White	1"	Multi-ply Polyester	Moderate	-
P20T	Orange/White	2"	Multi-ply Polyester	Moderate	-
Hoghair	Blue	1"	Synthetic Fibers	-	-

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PRODUCT BULLETIN 2 PD/BK • SECTION 2 • 2-15-22

Pads and Bulk Media Specifications

COMMERCIAL

· Continuous Filament Fiberglass
· 1" & 2" Nominal Thicknesses Available
· Graduated Density
· Skin Backing
· Moderate Dust Loading Capacity
· 74%-79% Average Arrestance Efficiency
· White Color
· U.L. Classified

PAINT ARRESTOR

· Continuous Filament Fiberglass
· 2-1/2" Nominal Thickness
· Graduated Density
· Skin Backing
· High Paint Holding Capacity
· 99.3% Average Removal Efficiency
· Green on Air Entering Side
· U.L. Classified

HI-PAK

· Continuous Filament Fiberglass
· 3" Nominal Thickness
· Graduated Density
· Skin Backing
· High Dust Holding Capacity
· Yellow on Air Entering Side
· Non-flammable, Non-toxic Odor Free
   Adhesive
· 85% Average Arrestance Efficiency
· U.L. Classified

HL-4

· 100% Non-woven Polyester
· 1" Nominal Thickness
· Moderate Dust Holding Capacity
· Fire Retarding Bonding Agent
· 82% Average Arrestance Efficiency
· White Color
· U.L. Classified

HL-8

· 100% Non-woven Polyester
· 2" Nominal Thickness
· Moderate Dust Holding Capacity
· Fire Retarding Bonding Agent
· 83% Average Arrestance Efficiency
· White Color
· U.L. Classified

HOGHAIR

· 100% Synthetic Fibers
· 1" Nominal Thickness
· Interlocking Fiber Design
· Heavy Dust Holding Capacity
· Cleanable by Vacuuming, Tap Water
   Rinsing, Hosing or Immersion in a
   Detergent Solution
· Blue Color
· U.L. Classified

STANDARD PRESSURE DROP
Test Filter Size 24" x 24" Nominal
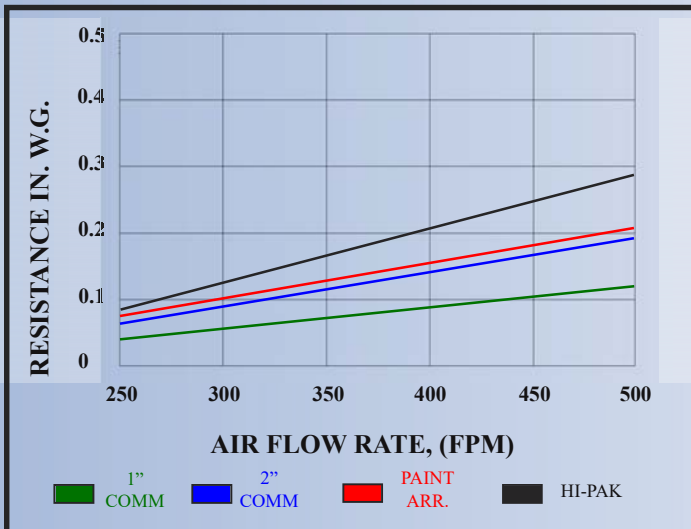
RESISTANCE IN. W.G. vs AIR FLOW RATE, (FPM)

1" COMM · 2" COMM · PAINT ARR. · HI-PAK

STANDARD PRESSURE DROP
Test Filter Size 24" x 24" Nominal

RESISTANCE IN. W.G. vs AIR FLOW RATE, (FPM)

HL-4 · HL-8 · HOGHAIR
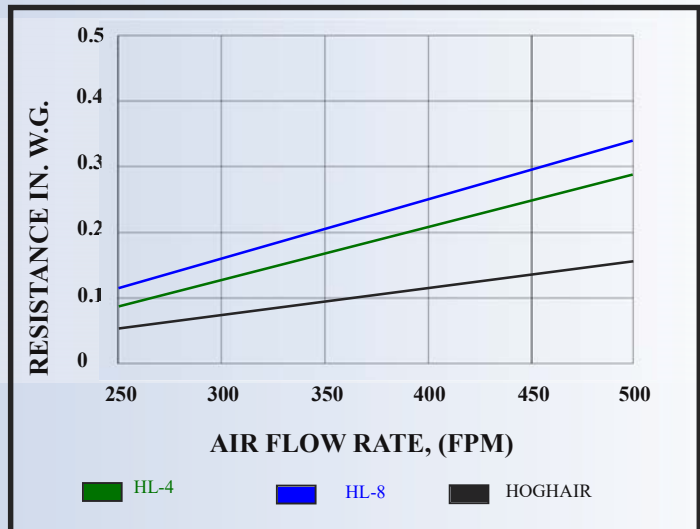
Pads and Bulk Media Specifications

125-4P

· 100% Non-woven Polyester
· 5/8" Nominal Thickness
· Graduated Density
· Non-toxic, Non-migratory Adhesive
   Second Stage
· Light Dust Holding Capacity
· 84% Average Arrestance Efficiency
· White on Air Entering Side
· U.L. Classified

125-7P

· 100% Non-woven Polyester
· 1" Nominal Thickness
· Graduated Density
· Non-toxic, Non-migratory Adhesive
   Second Stage
· Moderate Dust Holding Capacity
· 86% Average Arrestance Efficiency
· White on Air Entering Side
· U.L. Classified

P5T

· 100% Non-woven Polyester
· 1/2" Nominal Thickness
· Fire Retarding Bonding Agent
· Dual Denier Fiber Configuration
· Non-toxic, Non-migratory Adhesive
   Second Stage
· Moderate Dust Holding Capacity
· 82% Average Arrestance Efficiency
· White on Air Entering Side
· U.L. Classified

P10T

· 100% Non-woven Polyester
· 1" Nominal Thickness
· Fire Retarding Bonding Agent
· Dual Denier Fiber Configuration
· Dual Layer Filtration Stages
· Non-toxic, Non-migratory Adhesive
   Second Stage
· Heavy Dust Holding Capacity
· 92% Average Arrestance Efficiency
· White on Air Entering Side
· U.L. Classified
· MERV 8

P20T

· 100% Non-woven Polyester
· 2" Nominal Thickness
· Fire Retarding Bonding Agent
· Dual Denier Fiber Configuration
· Dual Layer Filtration Stages
· Non-toxic, Non-migratory Adhesive
   Second Stage
· Heavy Dust Holding Capacity
· 93% Average Arrestance Efficiency
· White on Air Entering Side
· U.L. Classified
· MERV 8

STANDARD PRESSURE DROP
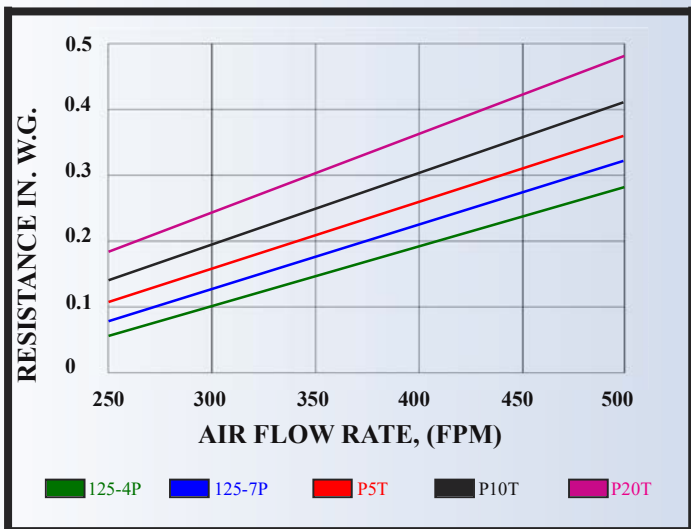
Test Filter Size 24" x 24" Nominal

RESISTANCE IN. W.G. vs AIR FLOW RATE, (FPM)

Legend: 125-4P · 125-7P · P5T · P10T · P20T

MINIMUM PARTICLE SIZE EFFICIENCY

Test Filter Size 24" x 24" Nominal

REMOVAL PERCENTAGE vs PARTICLE SIZE, MICRONS

Legend: P5T · P10T · P20T

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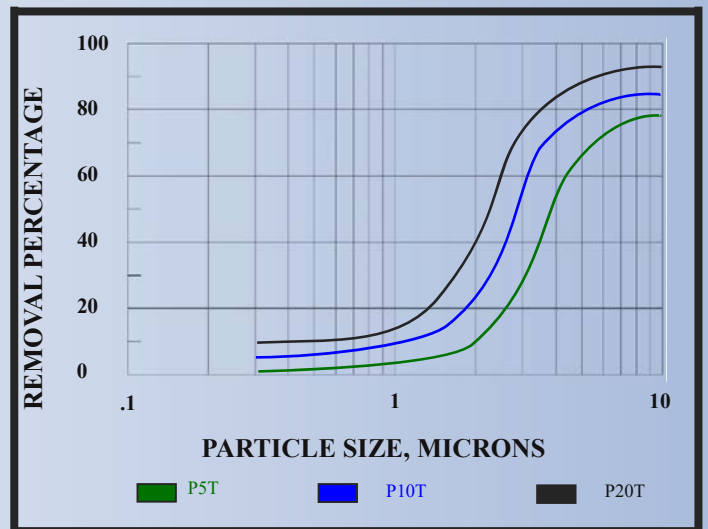
> CONSTRUCTION SPECIFICATIONS FOR PADS AND BULK MEDIA

Fiberglass: Shall consist of continuous filament fiberglass of graduated density to ensure depth loading and long service life. The air-exit side of the fiberglass media shall incorporate a skin backing which supports the media during operation and creates a final filtration stage. The various grades of fiberglass media are engineered for a variety of dust-loading applications and shall be treated with a non-toxic, non-flammable, odorless adhesive. The paint arrestor media is engineered for various paint over-spray applications and does not contain adhesive.

Polyester: Shall consist of 100% non-woven polyester fibers bonded together. The polyester pre-cut pads and bulk media are engineered for a variety of applications and available in single or multi-ply grades. The polyester pre-cut pads and bulk media are available dry or treated with a non-toxic, non-migratory, odorless adhesive that is incorporated into the filter media.

Glasfloss manufactures a variety of medium and high efficiency air filters which can be specified for LEED certification applications. For specific information on these products, please contact your local Glasfloss Sales Representative.

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Glasfloss® Industries
Excellence in Air Filtration Since 1936

FIBERGLASS BULK MEDIA
PRICE PER LINEAL FOOT ON STANDARD SIZE WIDTHS
COMMERCIAL GRADE MEDIA

NOMINAL ROLL WIDTH	PART NUMBER	1" COMMERCIAL GRADE	APPROX. ROLL WEIGHT	PART NUMBER	2" COMMERCIAL GRADE	APPROX. ROLL WEIGHT
20"	FBR201COM	$0.77	11 LB.	FBR202COM	$1.05	18 LB.
25"	FBR251COM	$1.02	14 LB.	FBR252COM	$1.34	26 LB.
30"	FBR301COM	$1.23	17 LB.	FBR302COM	$1.57	40 LB.
36"	FBR361COM	$1.44	21 LB.	FBR362COM	$1.86	46 LB.
40"	FBR401COM	$1.57	30 LB.	FBR402COM	$2.08	54 LB.
60"	FBR601COM	$2.42	41 LB.	FBR602COM	$3.17	62 LB.
SPECIAL SIZE WIDTH	FBRSP1COM	Per Square. Ft. $0.74		FBRSP2COM	Per Square. Ft. $1.09	
APPROX. LENGTH		400'			400'	

HI-PAK GRADE MEDIA

NOMINAL ROLL WIDTH	PART NUMBER	3" HI-PAK GRADE	APPROX. ROLL WEIGHT
20"	FBR203HPK	$1.70	22 LB.
25"	FBR253HPK	$2.08	25 LB.
SPECIAL SIZE WIDTH	FBRSP3HPK	Per Square. Ft. $1.90	
APPROX. LENGTH		150'	

PAINT ARRESTOR MEDIA

NOMINAL ROLL WIDTH	PART NUMBER	2 1/2" Paint Arrestor GRADE	APPROX. ROLL WEIGHT
20-1/2"	FBR20H2HPA	$0.85	33 LB.
25-1/2"	FBR25H2HPA	$1.06	39 LB.
30"	FBR302HPA	$1.30	46 LB.
36"	FBR362HPA	$1.51	55 LB.
40"	FBR402HPA	$1.70	61 LB.
48"	FBR482HPA	$2.01	74 LB.
60"	FBR602HPA	$2.53	92 LB.
SPECIAL SIZE WIDTH	FBRSP2HPA	Per Square. Ft. $0.71	
APPROX. LENGTH		300'	

NOTE:

Fiberglass Bulk Media-
Actual roll lengths may vary.
Pricing is per Lin. Ft. basis on Standard Widths. Each roll is clearly marked and labeled as to the actual length.
Special size widths are priced by Sq. Ft., contact factory for minimum & availability.

SERVICE ROLLS: FIBERGLASS & POLYESTER MEDIA

FIBERGLASS PART NUMBER	POLYESTER PART NUMBER	STANDARD SIZE	PRICE PER ROLL	APPROX. ROLL WEIGHT
FSR20201	PSR20201	20"x20'x1"	$19.97	2 LB.
FSR24201	PSR24201	* 24"x20'x1"	$23.33	2.25 LB.
FSR30201	PSR30201	* 30"x20'x1"	$32.21	2.5 LB.
FSR36201	PSR36201	* 36"x20'x1"	$36.96	3 LB.

Service Rolls Are Packaged in a Cardboard Dispenser Box

* Stock Sizes

GLASFLOSS SYNTHETIC BULK MEDIA

HL-4 MEDIA: WHITE IN COLOR.

1" HL-4 STANDARD WIDTH SIZES: 140' Roll Length							
Width	16"	20"	25"	30"	36"	60"	96"
Part Number	PBR16HL4	PBR20HL4	PBR25HL4	PBR30HL4	PBR36HL4	PBR60HL4	PBR96HL4
List Price	$75.06	$90.85	$114.20	$137.86	$166.13	$272.66	$436.22
SPECIAL WIDTH HL-4 USE THE PRICE OF THE NEXT LARGEST STANDARD BULK ROLL.							

HL-8 MEDIA: WHITE IN COLOR

2" HL-8 STANDARD WIDTH SIZES: 60' Roll Length							
Width	16"	20"	25"	30"	36"	60"	96"
Part Number	PBR16HL8	PBR20HL8	PBR25HL8	PBR30HL8	PBR36HL8	PBR60HL8	PBR96HL8
List Price	$59.71	$74.63	$93.36	$112.02	$134.43	$223.96	$358.36
SPECIAL WIDTH HL-8 USE THE PRICE OF THE NEXT LARGEST STANDARD BULK ROLL.							

POLYFLOSS BULK MEDIA "125 SERIES": BLUE & WHITE IN COLOR

SERIES		16"	20"	25"	30"	40"	48"	60"	80"
125-4P (5/8")	Part Number	PBR16-4P	PBR20-4P	PBR25-4P	PBR30-4P	PBR40-4P	PBR48-4P	PBR60-4P	PBR80-4P
Length 135'	List Price	$92.42	$115.43	$144.13	$171.49	$231.02	$277.15	$346.19	$438.61
125-7P (1")	Part Number	PBR16-7P	PBR20-7P	PBR25-7P	PBR30-7P	PBR40-7P	PBR48-7P	PBR60-7P	PBR80-7P
Length 90'	List Price	$92.42	$115.51	$144.83	$171.79	$231.02	$277.23	$346.57	$437.94
SPECIAL WIDTH	SPECIAL SIZE "125 SERIES" BULK ROLLS-USE THE LIST PRICE OF THE NEXT LARGER STANDARD BULK ROLL.								

P5T, P10T & P20T PHOENIX SERIES BULK MEDIA

	P5T (1/2")	16"	20"	25"	30"	40"	48"	60"	96"
Green & White	Part Number	PBR16P5T	PBR20P5T	PBR25P5T	PBR30P5T	PBR40P5T	PBR48P5T	PBR60P5T	PBR96P5T
Length 135'	List Price	$127.84	$156.94	$193.28	$229.45	$302.29	$360.45	$447.70	$714.18
	P10T (1")	16"	20"	25"	30"	40"	48"	60"	96"
Orange & White	Part Number	PBR16P10T	PBR20P10T	PBR25P10T	PBR30P10T	PBR40P10T	PBR48P10T	PBR60P10T	PBR96P10T
Length 90'	List Price	$124.05	$155.10	$193.74	$232.29	$309.50	$371.67	$464.02	$744.45
	P20T (2")	16"	20"	25"	30"	40"	48"	60"	96"
Orange & White	Part Number	PBR16P20T	PBR20P20T	PBR25P20T	PBR30P20T	PBR40P20T	PBR48P20T	PBR60P20T	PBR96P20T
Length 60'	List Price	$102.14	$127.69	$159.61	$191.52	$255.38	$306.47	$383.09	$601.45
SPECIAL WIDTH	SPECIAL SIZE PHOENIX SERIES BULK ROLLS-USE THE LIST PRICE OF THE NEXT LARGER STANDARD BULK ROLL.								

SYNTHETIC HOGHAIR MEDIA: BLUE IN COLOR.

Part Number	Size	Price	Approx Wt
PBR161HOG	16"x30'x1"	$77.93	9 LB.
PBR201HOG	20"x30'x1"	$97.32	11 LB.
PBR251HOG	25"x30'x1"	$121.72	13.5 LB.
PBR301HOG	30"x30'x1"	$149.57	16.5 LB.
PBR361HOG	36"x30'x1"	$180.30	19 LB.
SPECIAL SIZE WIDTHS CONTACT FACTORY FOR MINIMUM & AVAILABILITY.			

FOAM SERVICE ROLLS

Part Number	Size	Price	Approx Wt
FMSR2425D	24" x 25' x 1/4"	$79.36	3 LB.

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Excellence in Air Filtration Since 1936

FIBERGLASS PRE-CUT PADS

Standard Nominal Size	1" COMMERCIAL GRADE			2" COMMERCIAL GRADE		
	Part Number	Commercial Fiberglass	Carton Quantity	Part Number	Commercial Fiberglass	Carton Quantity
12x24	FPD12241COM	$1.06	100	FPD12242COM	$1.27	50
16x20	FPD16201COM	$1.43	100	FPD16202COM	$1.69	50
16x25	FPD16251COM	$1.51	100	FPD16252COM	$1.86	50
20x20	FPD20201COM	$1.51	100	FPD20202COM	$1.86	50
20x25	FPD20251COM	$1.77	100	FPD20252COM	$2.17	50
24x24	FPD24241COM	$2.12	100	FPD24242COM	$2.44	50
Special Size (Min. Charge: 3 Sq. Ft.)	FPDSP1COM	(Price per sq. ft.) $0.81	Bulk Packed	FPDSP2COM	(Price per sq. ft.) $1.41	Bulk Packed

Standard Nominal Size	2 1/2" PAINT ARRESTOR GRADE			3" HI-PAK GRADE		
	Part Number	PA Fiberglass	Carton Quantity	Part Number	Hi-Pak Fiberglass	Carton Quantity
12x24	FPD12242PA	$1.07	100	FPD12242HPK	$2.85	50
16x20	FPD16202PA	$1.46	100	FPD16202HPK	$3.32	50
16x25	FPD16252PA	$1.69	100	FPD16252HPK	$4.07	50
20x20	* FPD20202PA	$1.69	100	FPD20202HPK	$4.07	50
20x25	* FPD20252PA	$1.86	100	FPD20252HPK	$5.01	50
24x24	FPD24242PA	$2.22	100	FPD24242HPK	$5.63	50
Special Size (Min. Charge: 3 Sq. Ft.)	FPDSPPA	(Price per sq. ft.) $1.27	Bulk Packed	FPDSPHPK	(Price per sq. ft.) $2.40	Bulk Packed

* Stock Sizes

APPROXIMATE WEIGHT INFORMATION

Standard Size 24 X 24	Commercial Fiberglass	Paint Arrestor Fiberglass	Hi-Pak Fiberglass
1" Carton Weights	16 lb.	-----	-----
2"-3" Carton Weights	12 lb.	16 lb.	20 lb.

SYNTHETIC PRE-CUT PADS

| 1" HL-4				2" HL-8		
Standard Size	Part Number	HL-4 Synthetic	Carton Qty.	Part Number	HL-8 Synthetic	Carton Qty.
12x24	PPD1224HL4	$1.02	50	PPD1224HL8	$1.65	25
16x20	PPD1620HL4	$1.29	50	PPD1620HL8	$2.10	25
16x25	PPD1625HL4	$1.43	50	PPD1625HL8	$2.33	25
20x20	PPD2020HL4	$1.43	50	PPD2020HL8	$2.33	25
20x25	PPD2025HL4	$1.65	50	PPD2025HL8	$2.65	25
24x24	PPD2424HL4	$2.00	50	PPD2424HL8	$3.34	25
Special Size (Min. Charge: 3 Sq. Ft.)	PPDSPHL4	(Price per Sq. Ft.) $0.87	Bulk Packed	PPDSPHL8	(Price per Sq. Ft.) $1.48	Bulk Packed

5/8" 125-4P				1" 125-7P		
Standard Size	Part Number	125-4P Synthetic	Carton Qty.	Part Number	125-7P Synthetic	Carton Qty.
12x24	PPD1224-4P	$1.66	50	PPD1224-7P	$2.17	25
16x20	PPD1620-4P	$1.76	50	PPD1620-7P	$2.19	25
16x25	PPD1625-4P	$2.08	50	PPD1625-7P	$2.69	25
20x20	PPD2020-4P	$2.08	50	PPD2020-7P	$2.69	25
20x25	PPD2025-4P	$2.66	50	PPD2025-7P	$3.37	25
24x24	PPD2424-4P	$3.24	50	PPD2424-7P	$4.02	25
Special Size (Min. Charge: 3 Sq. Ft.)	PPDSP-4P	(Price per Sq. Ft.) $1.07	Bulk Packed	PPDSP-7P	(Price per Sq. Ft.) $1.33	Bulk Packed

1/2" P5T				1" P10T			2" P20T		
Standard Size	Part Number	P5T Synthetic	Carton Qty.	Part Number	P10T Synthetic	Carton Qty.	Part Number	P20T Synthetic	Carton Qty.
12x24	PPD1224P5T	$2.33	50	PPD1224P10T	$2.70	25	PPD1224P20T	$3.96	25
16x20	PPD1620P5T	$2.53	50	PPD1620P10T	$3.02	25	PPD1620P20T	$4.28	25
16x25	PPD1625P5T	$3.02	50	PPD1625P10T	$3.68	25	PPD1625P20T	$5.24	25
20x20	PPD2020P5T	$3.02	50	PPD2020P10T	$3.68	25	PPD2020P20T	$5.24	25
20x25	PPD2025P5T	$3.58	50	PPD2025P10T	$4.53	25	PPD2025P20T	$6.33	25
24x24	PPD2424P5T	$4.22	50	PPD2424P10T	$5.57	25	PPD2424P20T	$7.41	25
Special Size (Min. Charge: 3 Sq. Ft.)	PPDSPP5T	(Price per Sq. Ft.) $1.69	Bulk Packed	PPDSPP10T	(Price per Sq. Ft.) $2.37	Bulk Packed	PPDSPP20T	(Price per Sq. Ft.) $2.87	Bulk Packed

1" Hoghair			
Standard Size	Part Number	List Price	Carton Qty.
12x24	PPD12241HOG	$4.22	25
16x20	PPD16201HOG	$4.65	25
16x25	PPD16251HOG	$5.90	25
20x20	PPD20201HOG	$5.90	25
20x25	PPD20251HOG	$7.32	25
20x30	PPD20301HOG	$8.46	25
24x24	PPD24241HOG	$8.48	25
Special Size (Min. Charge: 3 Sq. Ft.)	PPDSP1HOG	(Price per Sq. Ft.) $2.83	Bulk Packed

Glasfloss®
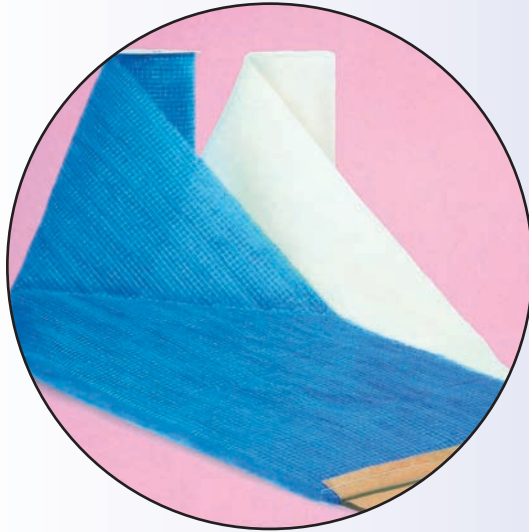
[AUTOMATIC ROLL FILTERS]

- Progressively Dense Fiberglass or 100% Non-Woven Polyester
- Scrim Backing
- Heavy-Duty Paper Leader and Trailer

FEATURES >

Glasfloss manufactures a complete line of roll filters for automatic roll machines. Glasfloss Automatic Roll Filters are designed to replace the original equipment filter with no modification. Glasfloss Automatic Roll Filters are available in different grades of fiberglass and polyester media in most standard widths.

< APPLICATIONS

Industrial facilities, commercial buildings, government installations, schools and universities use Glasfloss Automatic Roll Filters. Whether the automatic roll machine is vertical or horizontal, Glasfloss Automatic Roll Filters are available on cores designed to fit all major roll machine manufacturers.
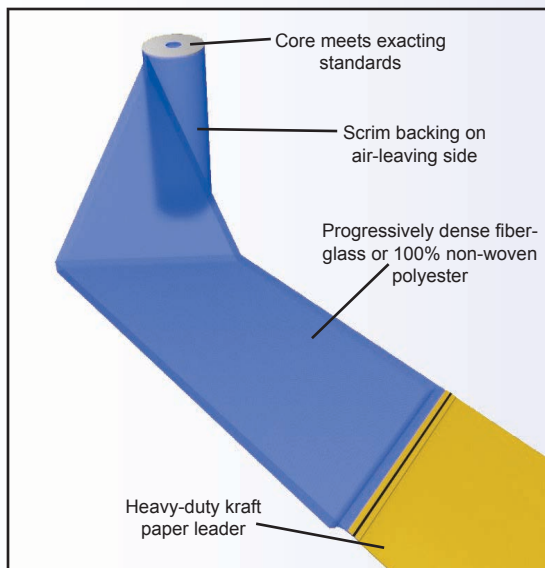
Core meets exacting standards

Scrim backing on air-leaving side

Progressively dense fiber-glass or 100% non-woven polyester

Heavy-duty kraft paper leader

SPECIFICATIONS >

Glasfloss Automatic Roll Filters are designed to fit in automatic, semi-automatic and manual type roll filter machines without modification to existing hardware. Glasfloss Roll Filters shall incorporate progressively dense fiberglass media or 100% non-woven polyester media. For added strength, the progressively dense fiberglass and 100% non-woven polyester grades of media shall incorporate a scrim backing on the air-exit side. Glasfloss Automatic Roll Filters shall incorporate a heavy-duty paper leader and trailer that is sewn to the media. The automatic roll filter's media standard length shall be sixty-five feet.

Fiberglass Specifications

> **EC II**

EC II Automatic Roll Filters shall consist of a nominal 2" thick continuous filament fiberglass of graduated density with a unidirectional scrim backing. EC II media shall be blue in color. EC II media is engineered for moderate dust-loading applications. The fiberglass shall be treated with a non-toxic, odor-free, non-migratory tackifier. Heavy-duty kraft paper leader and trailer shall be sewn to the media to facilitate installation and removal. The media shall be wound on the specified core and shall be compatible for installation into the original equipment without modification. The media shall be sixty-five feet in length. The media shall have a 77% Average Arrestance per ANSI/ASHRAE 52.2 Test Standard. EC II Automatic Roll Filters shall incorporate media that is classified under U.L. std. 900.

Polyester Specifications

> **1250**

1250 Automatic Roll Filters shall consist of a nominal 5/8" thick 100% non-woven polyester media with a scrim backing. 1250 media is engineered for moderate dust-loading applications. 1250 media shall be white in color. Heavy-duty kraft paper leader and trailer shall be sewn to the media to facilitate installation and removal. The media shall be wound on the specified core and shall be compatible for installation into the original equipment without modification. The media shall be sixty-five feet in length. The media shall have a 70% Average Arrestance per ANSI/ASHRAE 52.2 Test Standard. 1250 Automatic Roll Filters shall incorporate media that is classified under U.L. std. 900.

> **PHOENIX**

PHOENIX Automatic Roll Filters shall consist of a nominal 3/4" thick 100% non-woven polyester orange and white media with a scrim backing. Phoenix media is engineered for heavy dust-loading applications. Phoenix media is impregnated during manufacturing with a non-migratory tackifier. Heavy-duty kraft paper leader and trailer shall be sewn to the media to facilitate installation and removal. The media shall be wound on the specified core and shall be compatible for installation into the original equipment without modification. The media shall be sixty-five feet in length. The media shall receive a MERV 7 rating per ANSI/ASHRAE 52.2 Test Standard. Phoenix Automatic Roll Filters shall incorporate media that is classified under U.L. std. 900.

STANDARD PRESSURE DROP
Test Filter Size 24" x 24" Nominal

RESISTANCE IN. W.G. vs AIR FLOW RATE, (FPM)

Legend: EC II, 1250, PHOENIX

MINIMUM PARTICLE SIZE EFFICIENCY
Test Filter Size 24" x 24" Nominal

REMOVAL PERCENTAGE vs PARTICLE SIZE, MICRONS

Legend: PHOENIX
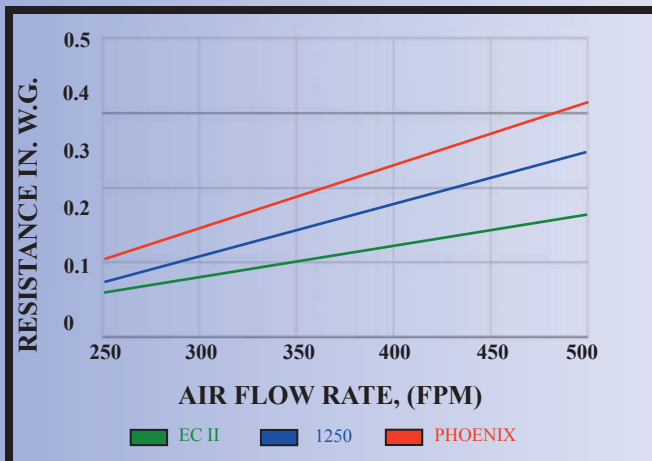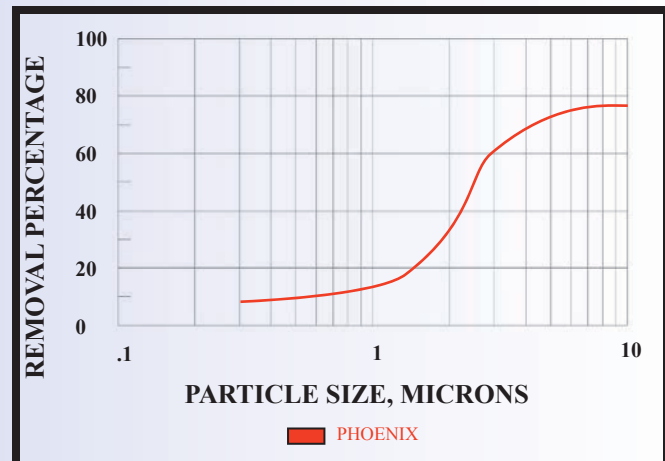
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Automatic Roll Filter
Core Identification Guide

		Roll Width	*Model			Roll Width	*Model
American Air Roll-O-Matic Kennard Herman- Nelson = 8" end plates Electro-Air	**Type AA** core is 3/4" metal pipe. Core ends are 15/16" and 13/16" with end disks of 11" diameter on both ends.	20-1/4" 22-1/4" 24-3/4" 31-7/8" 32-3/4" 38-1/2" 39-7/8" 44-3/4" 56-3/4" 68-7/8"	21AA 22AA 25AA 32AA 03AA 39AA 40AA 04AA 05AA 06AA	**Farr** Automatic Manual	**Type FA** core is 2-1/8" I.D. Notched fiberboard tube with no drive pin, discs or cups. Most Farr V-8 (vertical) units use a 1-3/4" I.D. core.	8-3/4" 14-3/4" 20-3/4" 26-3/4" 32-3/4" 38-3/4" 44-3/4" 50-3/4" 56-3/4" 68-3/4"	09FA 15FA 21FA 27FA 03FA 39FA 04FA 51FA 05FA 06FA
	Glasfloss ID Code **AA**				Glasfloss ID Code **FA**		

		Roll Width	*Model			Roll Width	*Model
Cambridge Auto Roll	**Type CA** core is 3/4" metal pipe. Core ends are 15/16" and 13/16". Metal discs available, specify when ordering.	23-3/4" 32-3/4" 44-3/4" 56-3/4" 65-3/4" 69"	02CA 03CA 04CA 05CA 06CA 69CA	**Continental** Conomanual Conomatic Commercial Full-Flo Mine Safety Appl. (MSA)	**Type CO** core is 3" I.D. fiberboard tube with drive pin 2-1/2" from one end of tube only. No cups or discs are used.	21-7/8" 31-7/8" 43-7/8" 55-7/8" 67-7/8"	02CO 03CO 04CO 05CO 06CO
	Glasfloss ID Code **CA**				Glasfloss ID Code **CO**		

		Roll Width	*Model			Roll Width	*Model
Trane Carrier	**Type TR** (Trane) CR (Carrier) core is 2-7/16" I.D. fiberboard tube with a metal cup secured and recessed to a depth of 1-1/2" in each end. The cups are stamped to form a 1-1/2" square.	19-3/8" 21-3/8" 25-3/4" 31-3/8" 35-3/8" 38-3/4" 45-3/8" 50-1/4" 54-3/8" 59-3/8" 61-3/4" 63-3/8"	19TR 21TR 25TR 31TR 35TR 38TR 45TR 50TR 54TR 59TR 61TR 63TR	**BLC**	**Type BLC** core is 1-1/2" I.D. EMT Conduit with 11" end plates recessed 1-3/8" from each end of core.	34-5/8" 46-5/8" 58-5/8" 70-5/8"	35BLC 47BLC 59BLC 71BLC
	Glasfloss ID Code **TR**				Glasfloss ID Code **BLC**		

*The model number must be added as a suffix to the corresponding media designation to obtain proper part number.

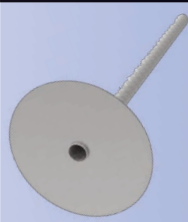"Serving You With Locations Throughout The Nation"

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> **AUTOMATIC ROLL FILTER SPECIFICATIONS**

Glasfloss Automatic Roll Filters are designed to fit in automatic, semi-automatic and manual type roll filter machines without modification to existing hardware. Glasfloss Automatic Roll Filters shall incorporate progressively dense fiberglass media or 100% non-woven polyester media. For added strength, the progressively dense fiberglass and 100% non-woven polyester grades of media shall incorporate a scrim backing on the air-exit side. Glasfloss Automatic Roll Filters shall incorporate a heavy-duty paper leader and trailer that is sewn to the media. The automatic roll filter's media standard length shall be sixty-five feet.

> AUTOMATIC ROLL FILTER MEDIA SPECIFICATIONS

E: EC II - Nominal 2" fiberglass media with unidirectional scrim backing. The
     Media shall be blue in color. For moderate dust-loading applications.
P: 1250 - Nominal 5/8" 100% Non-woven polyester media with scrim backing.
     The media shall be white in color. For moderate-dust loading applications.
X: Phoenix - Nominal 3/4" 100% Non-woven polyester media with scrim backing.
     The media shall be orange and white in color. Tackified for heavy dust-loading applications.

Glasfloss Automatic Roll Filter Ordering Code
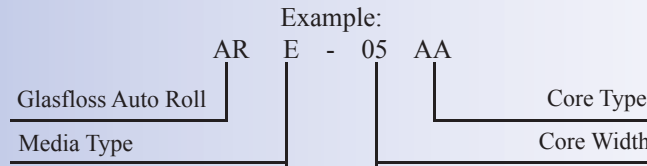
Example:

AR   E   -   05   AA

Glasfloss Auto Roll

Media Type

Core Type

Core Width

Glasfloss manufactures a variety of medium and high efficiency air filters which can be specified for LEED certification applications. For specific information on these products, please contact your local Glasfloss Sales Representative.

MADE IN
U. S. A.

NAFA
National Air
Filtration
Association

Distributed by:

Glasfloss® Industries
Excellence in Air Filtration Since 1936

AUTOMATIC ROLL FILTERS

FOR AMERICAN AIR FILTER

MFG. FILTER SIZE AND DESIGNATION	GLASFLOSS PART NUMBER						
VERTICAL SERIES A,B,& C	EC II F/G	1250 POLY	EC II or 1250 List Price		PHOENIX POLY	PHOENIX List Price	ACTUAL ROLL WIDTH
#3	ARE03AA	ARP03AA	$198.34		ARX03AA	$353.76	32 3/4"
#4	ARE04AA	ARP04AA	$240.27		ARX04AA	$458.46	44 3/4"
#5	ARE05AA	ARP05AA	$282.26		ARX05AA	$573.91	56 3/4"
#6	ARE06AA	ARP06AA	$324.19		ARX06AA	$682.22	68 7/8"
HORIZONTAL TYPE -H SERIES-							
#21	ARE21AA	ARP21AA	$179.26		ARX21AA	$353.76	20 1/4"
#22	ARE22AA	ARP22AA	$179.26		ARX22AA	$353.76	22 1/4"
#25	ARE25AA	ARP25AA	$186.87		ARX25AA	$353.76	24 3/4"
#32	ARE32AA	ARP32AA	$198.34		ARX32AA	$353.76	31 7/8"
#39	ARE39AA	ARP39AA	$221.22		ARX39AA	$458.46	38 1/2"
#40	ARE40AA	ARP40AA	$221.22		ARX40AA	$458.46	39 7/8"

FOR BLC COMPANY

BLC Model Number	GLASFLOSS PART NUMBER						
BLC 35	ARE35BLC	ARP35BLC	$221.77		ARX35BLC	$377.97	34 5/8"
BLC 47	ARE47BLC	ARP47BLC	$263.78		ARX47BLC	$482.70	46 5/8"
BLC 59	ARE59BLC	ARP59BLC	$305.70		ARX59BLC	$598.14	58 5/8"
BLC 71	ARE71BLC	ARP71BLC	$347.66		ARX71BLC	$706.45	70 5/8"

FOR FARR COMPANY

MFG. FILTER SIZE AND DESIGNATION	GLASFLOSS PART NUMBER						
TYPE V & MODEL 3 HORIZONTAL	EC II F/G	1250 POLY	EC II or 1250 List Price		PHOENIX POLY	PHOENIX List Price	ACTUAL ROLL WIDTH
#3	ARE03FA	ARP03FA	$198.34		ARX03FA	$353.76	32 3/4"
#4	ARE04FA	ARP04FA	$240.27		ARX04FA	$458.46	44 3/4"
#5	ARE05FA	ARP05FA	$282.26		ARX05FA	$573.91	56 3/4"
#6	ARE06FA	ARP06FA	$324.19		ARX06FA	$682.22	68 3/4"
TYPE H4 HORIZONTAL							
#12	ARE09FA	ARP09FA	$80.12		ARX09FA	$353.76	8 3/4"
#18	ARE15FA	ARP15FA	$114.43		ARX15FA	$353.76	14 3/4"
#22	ARE21FA	ARP21FA	$156.33		ARX21FA	$353.76	20 3/4"
#28	ARE27FA	ARP27FA	$179.26		ARX27FA	$353.76	26 3/4"
#32	ARE03FA	ARP03FA	$198.34		ARX03FA	$353.76	32 3/4"
#38	ARE39FA	ARP39FA	$240.27		ARX39FA	$458.46	38 3/4"
#42	ARE04FA	ARP04FA	$240.27		ARX04FA	$458.46	44 3/4"
#48	ARE51FA	ARP51FA	$282.26		ARX51FA	$573.91	50 3/4"
#52	ARE05FA	ARP05FA	$282.26		ARX05FA	$573.91	56 3/4"
TYPE H5 HORIZONTAL							
#20	ARE21FA	ARP21FA	$156.33		ARX21FA	$353.76	20 3/4"
#26	ARE27FA	ARP27FA	$179.26		ARX27FA	$353.76	26 3/4"
#30	ARE03FA	ARP03FA	$198.34		ARX03FA	$353.76	32 3/4"
#36	ARE39FA	ARP39FA	$240.27		ARX39FA	$458.46	38 3/4"
#40	ARE04FA	ARP04FA	$240.27		ARX04FA	$458.46	44 3/4"
#46	ARE51FA	ARP51FA	$282.26		ARX51FA	$573.91	50 3/4"
#50	ARE05FA	ARP05FA	$282.26		ARX05FA	$573.91	56 3/4"

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FOR CAMBRIDGE FILTER CORP. OR ELECTRO AIR CLEANER CO.

| MFG. FILTER SIZE AND DESIGNATION | GLASFLOSS PART NUMBER | | | | | | ACTUAL |
VERTICAL OR HORIZONTAL	EC II F/G	1250 POLY	EC II or 1250 List Price		PHOENIX POLY	PHOENIX List Price	ROLL WIDTH
#2	ARE02CA	ARP02CA	$156.33		ARX02CA	$357.04	23 3/4"
#3	ARE03CA	ARP03CA	$198.34		ARX03CA	$357.04	32 3/4"
#4	ARE04CA	ARP04CA	$240.27		ARX04CA	$462.69	44 3/4"
#5	ARE05CA	ARP05CA	$282.26		ARX05CA	$579.26	56 3/4"
#6 (1&2)	ARE06CA	ARP06CA	$324.20		ARX06CA	$688.66	65 3/4"
#6 (3)	ARE69CA	ARP69CA	$324.20		ARX69CA	$688.66	69"

FOR CONTINENTAL AIR FILTER
(CONOMATIC & CONOMANUAL)

| MFG. FILTER SIZE AND DESIGNATION | GLASFLOSS PART NUMBER | | | | | | ACTUAL |
	EC II F/G	1250 POLY	EC II or 1250 List Price		PHOENIX POLY	PHOENIX List Price	ROLL WIDTH
#2	ARE02CO	ARP02CO	$156.33		ARX02CO	$353.76	21 7/8"
#3	ARE03CO	ARP03CO	$198.34		ARX03CO	$353.76	31 7/8"
#4	ARE04CO	ARP04CO	$240.27		ARX04CO	$458.46	43 7/8"
#5	ARE05CO	ARP05CO	$282.26		ARX05CO	$573.91	55 7/8"
#6	ARE06CO	ARP06CO	$324.20		ARX06CO	$682.22	67 7/8"

FOR TRANE COMPANY

| TRANE FILTER MODEL NO. | GLASFLOSS PART NUMBER | | | | | | ACTUAL |
	EC II F/G	1250 POLY	EC II or 1250 List Price		PHOENIX POLY	PHOENIX List Price	ROLL WIDTH
RF3, RF7	ARE19TR	ARP19TR	$171.64		ARX19TR	$353.76	19 3/8"
RE6, RF9	ARE21TR	ARP21TR	$171.64		ARX21TR	$353.76	21 3/8"
RF8, RF10, RF17	ARE31TR	ARP31TR	$217.39		ARX31TR	$353.76	31 3/8"
RF12, RF14, RF24	ARE35TR	ARP35TR	$228.86		ARX35TR	$458.46	35 3/8"
RF31, RF63	ARE45TR	ARP45TR	$259.33		ARX45TR	$458.46	45 3/8"
RF35	ARE54TR	ARP54TR	$301.30		ARX54TR	$573.91	54 3/8"
RF41	ARE59TR	ARP59TR	$308.91		ARX59TR	$682.22	59 3/8"
RF50	ARE63TR	ARP63TR	$343.23		ARX63TR	$682.22	63 3/8"
-	ARE25TR	ARP25TR	$205.95		ARX25TR	$353.76	25 3/4"
-	ARE38TR	ARP38TR	$259.33		ARX38TR	$458.46	38 3/4"
-	ARE50TR	ARP50TR	$301.30		ARX50TR	$573.91	50 1/4"
-	ARE61TR	ARP61TR	$343.23		ARX61TR	$682.22	61 3/4"

APPROXIMATE WEIGHTS PER ROLL

SIZE	EC II (F/G)	1250 Poly	Phoenix Poly
#2	14 LB.	10 LB.	12 LB.
#3	20 LB.	16 LB.	13 LB
#4	26 LB.	20 LB.	20 LB.
#5	35 LB.	25 LB.	24 LB.
#6	41 LB.	28 LB.	33 LB.
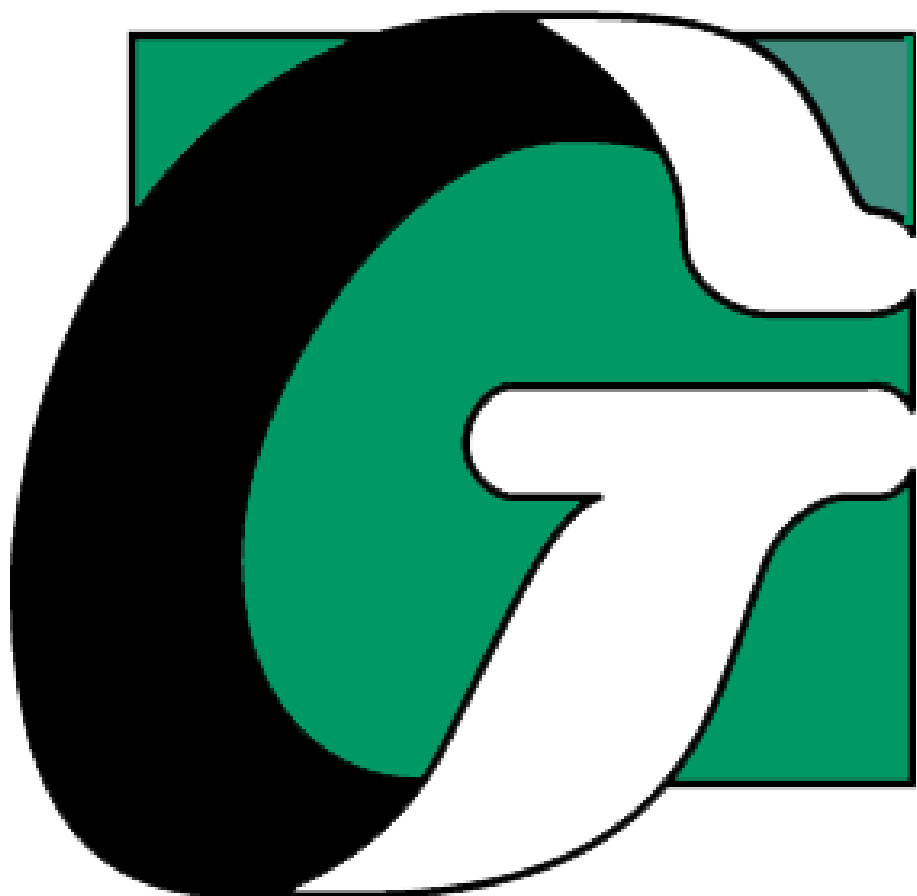
Glasfloss®
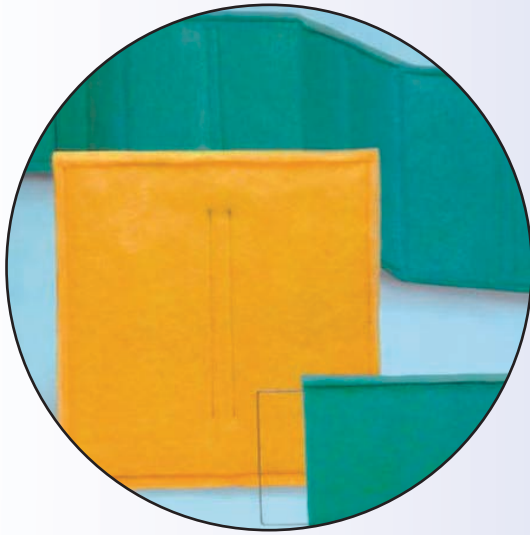
Phoenix Series
Poly-Rings, Sleeves and Links

- Available in Rings, Sleeves and Links
- 100% Non-woven Polyester Media
- Multiple Layers of Progressively Dense Media Fibers
- Internal Wire Frame Structure
- Self-sealing Media Gasket

FEATURES >

Glasfloss Phoenix Series Poly-Rings, Sleeves and Links offer a variety of styles, multiple filtration media layers and performance levels for most applications. The self-sealing media gasket advantage of the Phoenix Series prevents dirt-laden air from bypassing the filter, an occurrence common with cardboard frame filters. The Glasfloss Phoenix Series Poly-Rings are offered in nominal thicknesses (1/2": PR-5, 1": PR-10 and 2": PR-20) for a broad range of dust loading applications.

Glasfloss Phoenix Series Poly-Rings, Sleeves and Links shall be constructed utilizing layers of 100% non-woven polyester media. For optimum performance, the air leaving side of the Phoenix Series products shall be treated with a non-toxic, non-migratory adhesive. An internal wire frame shall be thermally sealed within the filter to maintain integrity. A thermal seal shall extend around the perimeter edge of the internal wire frame and on both sides of the center wire support strut, ensuring the permanent bond of all media plies. There shall be sufficient media overlap to ensure a positive seal between the filter and the holding frame, eliminating the possibility of air bypass and the need for supplemental gasketing. PR-10 and PR-20 Poly-Rings shall be rated MERV 8 when tested in accordance with the ANSI/ASHRAE 52.2 Test Standard.

< SPECIFICATIONS

SELF-SEALING MEDIA GASKET
CENTER WIRE SUPPORT STRUT
TACKIFIER ON AIR EXIT SURFACE
MULTIPLE LAYERS OF PROGRESSIVE DENSITY POLYESTER MEDIA
INTERNAL WIRE FRAME

"Serving You With Locations Throughout The Nation"

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

www.glasfloss.com · (214) 741-7056   PRODUCT BULLETIN 4PHX • SECTION 4 • 8-19-2021
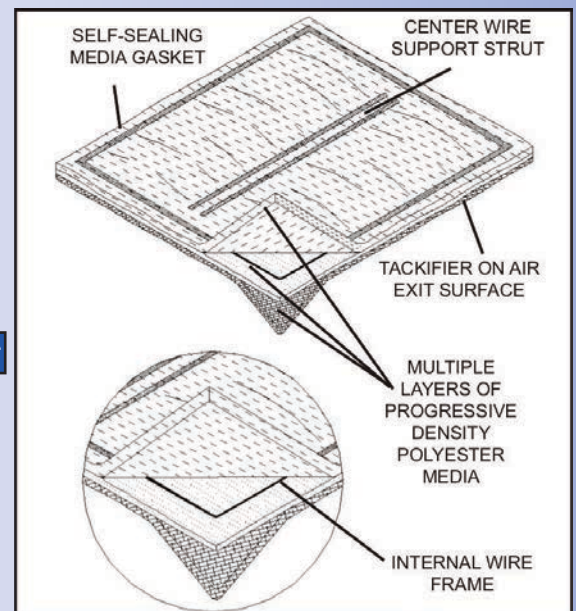
Phoenix Series: PR-5

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 FOOT	SIZE W x H x D NOMINAL MM	RATED VELOCITY M/H	INITIAL RESIST. PASCALS
PRP1224-5	12x24x1/2	11-3/8 x 23-3/8 x 1/2	300	0.13	2.00	305 x 610 x 13	5490	32.34
PRP1520-5	15x20x1/2	14-3/8 x 19-3/8 x 1/2	300	0.13	2.08	381 x 508 x 13	5490	32.34
PRP1620-5	16x20x1/2	15-3/8 x 19-3/8 x 1/2	300	0.13	2.22	406 x 508 x 13	5490	32.34
PRP1624-5	16x24x1/2	15-3/8 x 23-3/8 x 1/2	300	0.13	2.67	406 x 610 x 13	5490	32.34
PRP1625-5	16x25x1/2	15-3/8 x 24-3/8 x 1/2	300	0.13	2.77	406 x 635 x 13	5490	32.34
PRP1824-5	18x24x1/2	17-3/8 x 23-3/8 x 1/2	300	0.13	3.00	457 x 610 x 13	5490	32.34
PRP2020-5	20x20x1/2	19-3/8 x 19-3/8 x 1/2	300	0.13	2.77	508 x 508 x 13	5490	32.34
PRP2024-5	20x24x1/2	19-3/8 x 23-3/8 x 1/2	300	0.13	3.33	508 x 610 x 13	5490	32.34
PRP2025-5	20x25x1/2	19-3/8 x 24-3/8 x 1/2	300	0.13	3.47	508 x 635 x 13	5490	32.34
PRP2424-5	24x24x1/2	23-3/8 x 23-3/8 x 1/2	300	0.13	4.00	610 x 610 x 13	5490	32.34
PRP2525-5	25x25x1/2	24-3/8 x 24-3/8 x 1/2	300	0.13	4.34	635 x 635 x 13	5490	32.34

Phoenix Series: PR-10

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 FOOT	SIZE W x H x D NOMINAL MM	RATED VELOCITY M/H	INITIAL RESIST. PASCALS
PRP1224-10	12x24x1	11-3/8 x 23-3/8 x 7/8	300	0.20	2.00	305 x 610 x 25	5490	42.29
PRP1520-10	15x20x1	14-3/8 x 19-3/8 x 7/8	300	0.20	2.08	381 x 508 x 25	5490	42.29
PRP1620-10	16x20x1	15-3/8 x 19-3/8 x 7/8	300	0.20	2.22	406 x 508 x 25	5490	42.29
PRP1624-10	16x24x1	15-3/8 x 23-3/8 x 7/8	300	0.20	2.67	406 x 610 x 25	5490	42.29
PRP1625-10	16x25x1	15-3/8 x 24-3/8 x 7/8	300	0.20	2.77	406 x 635 x 25	5490	42.29
PRP1824-10	18x24x1	17-3/8 x 23-3/8 x 7/8	300	0.20	3.00	457 x 610 x 25	5490	42.29
PRP2020-10	20x20x1	19-3/8 x 19-3/8 x 7/8	300	0.20	2.77	508 x 508 x 25	5490	42.29
PRP2024-10	20x24x1	19-3/8 x 23-3/8 x 7/8	300	0.20	3.33	508 x 610 x 25	5490	42.29
PRP2025-10	20x25x1	19-3/8 x 24-3/8 x 7/8	300	0.20	3.47	508 x 635 x 25	5490	42.29
PRP2424-10	24x24x1	23-3/8 x 23-3/8 x 7/8	300	0.20	4.00	610 x 610 x 25	5490	42.29
PRP2525-10	25x25x1	24-3/8 x 24-3/8 x 7/8	300	0.20	4.34	635 x 635 x 25	5490	42.29

Phoenix Series: PR-20

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 FOOT	SIZE W x H x D NOMINAL MM	RATED VELOCITY M/H	INITIAL RESIST. PASCALS
PRP1224-20	12x24x2	11-3/8 x 23-3/8 x 1-3/4	300	0.30	2.00	305 x 610 x 51	5490	74.64
PRP1520-20	15x20x2	14-3/8 x 19-3/8 x 1-3/4	300	0.30	2.08	381 x 508 x 51	5490	74.64
PRP1620-20	16x20x2	15-3/8 x 19-3/8 x 1-3/4	300	0.30	2.22	406 x 508 x 51	5490	74.64
PRP1624-20	16x24x2	15-3/8 x 23-3/8x1-3/4	300	0.30	2.67	406 x 610 x 51	5490	74.64
PRP1625-20	16x25x2	15-3/8 x 24-3/8 x 1-3/4	300	0.30	2.77	406 x 635 x 51	5490	74.64
PRP1824-20	18x24x2	17-3/8 x 23-3/8 x 1-3/4	300	0.30	3.00	457 x 610 x 51	5490	74.64
PRP2020-20	20x20x2	19-3/8 x 19-3/8 x 1-3/4	300	0.30	2.77	508 x 508 x 51	5490	74.64
PRP2024-20	20x24x2	19-3/8 x 23-3/8 x 1-3/4	300	0.30	3.33	508 x 610 x 51	5490	74.64
PRP2025-20	20x25x2	19-3/8 x 24-3/8 x 1-3/4	300	0.30	3.47	508 x 635 x 51	5490	74.64
PRP2424-20	24x24x2	23-3/8 x 23-3/8 x 1-3/4	300	0.30	4.00	610 x 610 x 51	5490	74.64
PRP2525-20	25x25x2	24-3/8 x 24-3/8 x 1-3/4	300	0.30	4.34	635 x 635 x 51	5490	74.64

Regular manufacturing tolerances are +/- 1/8", to be observed on all exact widths and heights. Recommended final resistance IN. W.G. is 1.00"

STANDARD PRESSURE DROP
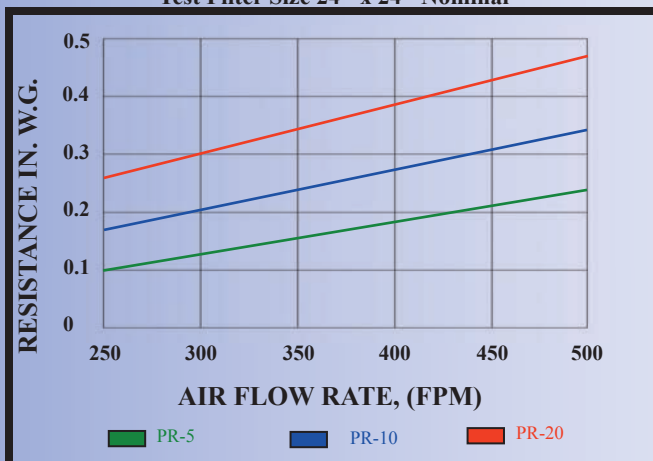
Test Filter Size 24" x 24" Nominal

RESISTANCE IN. W.G. vs AIR FLOW RATE, (FPM)

PR-5   PR-10   PR-20

MINIMUM PARTICLE SIZE EFFICIENCY

Test Filter Size 24" x 24" Nominal

REMOVAL PERCENTAGE vs PARTICLE SIZE, MICRONS

PR-5   PR-10   PR-20
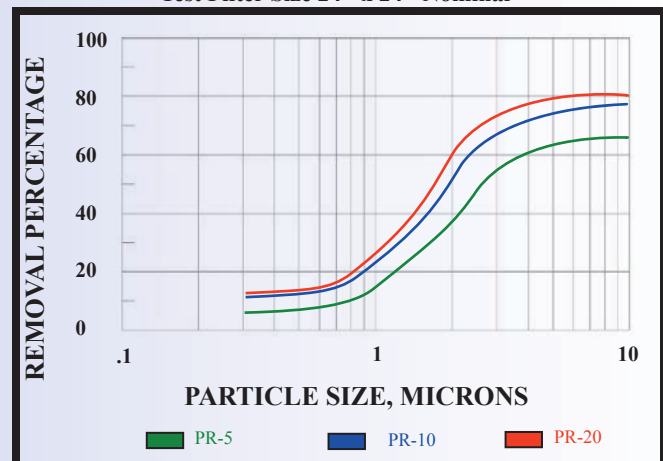
Specifications

> **PR-5**

Glasfloss Phoenix Series PR-5 Ring Panels, Sleeves and Links are engineered for light dust loading applications. PR-5 shall be 100% non-woven green and white polyester. Two distinct plies of media shall be utilized, each being more dense than the one preceding it. The progressively dense fiber orientation of each media layer enables the small micron size particles to depth load within the filter. The PR-5 shall have a nominal thickness of 1/2". An internal wire frame shall be thermally sealed within the filter. There shall be sufficient media overlap to ensure a positive seal between the filter and the holding frame, eliminating air by-

> **PR-10**

Glasfloss Phoenix Series PR-10 Ring Panels, Sleeves and Links are engineered for moderate dust loading applications. PR-10 shall be 100% non-woven green and yellow polyester. Three distinctly different plies of media shall be utilized, each being more dense than the one preceding it. The progressively dense fiber orientation of each media layer enables the small micron size particles to depth load within the filter. The PR-10 shall have a nominal thickness of 1". An internal wire frame shall be thermally sealed within the filter. There shall be sufficient media overlap to ensure a positive seal between the filter and the holding frame, eliminating air bypass. The PR-10 Ring Panels shall be rated MERV 8 when tested in accordance with the ANSI/ASHRAE 52.2 Test Standard.

> **PR-20**

Glasfloss Phoenix Series PR-20 Ring Panels, Sleeves and Links are engineered for heavy dust loading applications. PR-20 shall be 100% non-woven green and white polyester. Three distinctly different plies of media shall be utilized, each being more dense than the one preceding it. The progressively dense fiber orientation of each media layer enables the small micron size particles to depth load within the filter. The PR-20 shall have a nominal thickness of 2". An internal wire frame shall be thermally sealed within the filter. There shall be sufficient media overlap to ensure a positive seal between the filter and the holding frame, eliminating air bypass. The PR-20 Ring Panels shall be rated MERV 8 when tested in accordance with the ANSI/ASHRAE 52.2 Test Standard.

Glasfloss Phoenix Series Poly-Rings, Sleeves, and Links shall be constructed utilizing multiple layers of 100% non-woven polyester media. The progressively dense fiber orientation of each media layer enables the small micron size particles to depth load within the filter. Allowing the particles to depth load will enhance the life of the filter.
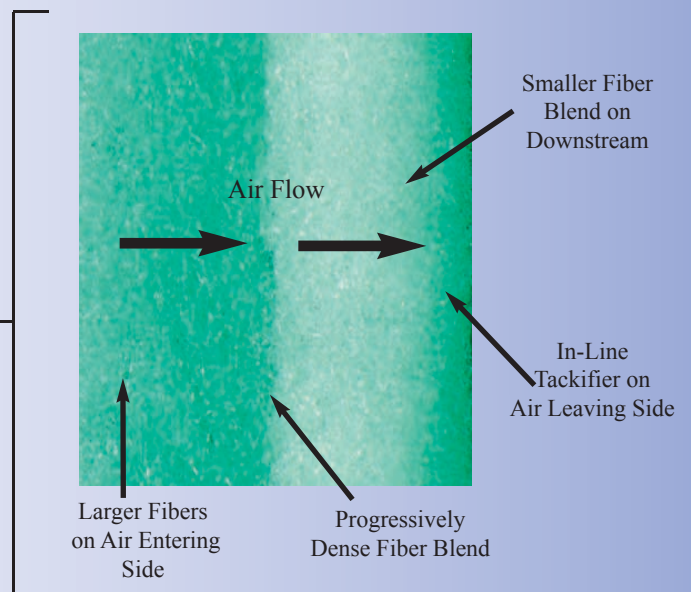
Smaller Fiber Blend on Downstream

Air Flow

In-Line Tackifier on Air Leaving Side

Larger Fibers on Air Entering Side

Progressively Dense Fiber Blend

> SPECIFICATIONS

Glasfloss Phoenix Series Poly-Rings, Sleeves and Links shall be constructed utilizing layers of 100% non-woven polyester media. The filter shall be a nominal 1/2", 1" or 2" in thickness. For optimum performance, the air leaving side of the Phoenix Series products shall be treated with a non-toxic, non-migratory adhesive. An internal wire frame shall be thermally sealed within the filter to maintain integrity. A thermal seal shall extend around the filter's perimeter and on both sides of the center wire support strut, ensuring the permanent bond of all media plies. There shall be sufficient media overlap to ensure a positive seal between the filter and the holding frame, eliminating the possibility of air bypass and the need for supplemental gasketing.

> SLEEVES and LINKS

· **"Sleeves" -** An economical alternative to reuse the heavy-duty internal wire frame. Available in standard and special sizes, sleeves are a good alternative for difficult to install wall units.

· **"Links" -** Glasfloss manufactures a complete line of standard and special size poly-ring link filters to accommodate front load or side access housings. Glasfloss Poly-Ring Link filters are available in PR-5, PR-10 and PR-20 Series. There shall be sufficient divisions and seals between each poly-ring panel that allows for panel separation when necessary. Glasfloss Poly-Ring Links are ideal for side access housings, and unfiltered air is virtually eliminated with self-seals around and in-between each panel. Glasfloss Poly-Ring Panels also offer easier handling, especially for rooftop units, and they are not susceptible to damage as some traditional cardboard frame filters. Glasfloss Poly-Ring Panels are a convenient alternative to individual cardboard frame filters and can save labor costs during installation.

> OPTIONS

· **"Series 55" -** For added strength during operation, three center wire support struts are sealed within the filter.

Glasfloss manufactures a variety of medium and high efficiency air filters which can be specified for LEED certification applications. For specific information on these products, please contact your local Glasfloss Sales Representative.

NAFA National Air Filtration Association

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Glasfloss® Industries
Excellence in Air Filtration Since 1936

THE PHOENIX SERIES

12" Wide Poly Links

Length (Inches)	PR-5 Part Number	List Price	PR-10 Part Number	List Price	PR-20 Part Number	List Price
41" - 43"	PLP12A-5	$23.02	PLP12A-10	$25.42	PLP12A-20	$28.50
44" - 46"	PLP12B-5	$23.02	PLP12B-10	$25.42	PLP12B-20	$28.50
47" - 50"	PLP12C-5	$13.62	PLP12C-10	$16.09	PLP12C-20	$18.80
51" - 56"	PLP12D-5	$29.83	PLP12D-10	$33.47	PLP12D-20	$37.89
57" - 61"	PLP12E-5	$29.83	PLP12E-10	$33.47	PLP12E-20	$37.89
62" - 66"	PLP12F-5	$29.83	PLP12F-10	$33.47	PLP12F-20	$37.89
67" - 71"	PLP12G-5	$29.83	PLP12G-10	$33.47	PLP12G-20	$37.89
72" - 76"	PLP12H-5	$20.46	PLP12H-10	$24.18	PLP12H-20	$28.21
77" - 83"	PLP12I-5	$36.62	PLP12I-10	$41.50	PLP12I-20	$47.29
84" - 90"	PLP12J-5	$36.62	PLP12J-10	$41.50	PLP12J-20	$47.29
91" - 95"	PLP12K-5	$36.62	PLP12K-10	$41.50	PLP12K-20	$47.29
96" - 102"	PLP12L-5	$27.26	PLP12L-10	$32.21	PLP12L-20	$37.60
103" - 111"	PLP12M-5	$43.45	PLP12M-10	$49.57	PLP12M-20	$56.72
112" - 119"	PLP12N-5	$43.45	PLP12N-10	$49.57	PLP12N-20	$56.72
120" - 128"	PLP12O-5	$34.10	PLP12O-10	$40.25	PLP12O-20	$47.01
129" - 139"	PLP12P-5	$50.30	PLP12P-10	$57.57	PLP12P-20	$66.08
140" - 143"	PLP12Q-5	$50.30	PLP12Q-10	$57.57	PLP12Q-20	$66.08
144" - 154"	PLP12R-5	$40.87	PLP12R-10	$48.33	PLP12R-20	$56.40
155" - 167"	PLP12S-5	$57.08	PLP12S-10	$65.66	PLP12S-20	$75.51
168" - 180"	PLP12T-5	$47.69	PLP12T-10	$56.39	PLP12T-20	$65.77
181" - 191"	PLP12U-5	$63.91	PLP12U-10	$73.75	PLP12U-20	$84.88
192" - 206"	PLP12V-5	$54.52	PLP12V-10	$64.43	PLP12V-20	$75.20
207" - 215"	PLP12W-5	$70.71	PLP12W-10	$81.76	PLP12W-20	$94.29
216" - 232"	PLP12X-5	$61.32	PLP12X-10	$72.48	PLP12X-20	$84.60
233" - 239"	PLP12Y-5	$77.53	PLP12Y-10	$89.83	PLP12Y-20	$103.68
240" - 258"	PLP12Z-5	$68.15	PLP12Z-10	$80.54	PLP12Z-20	$93.99
259" - 263"	PLP12ZA-5	$84.33	PLP12ZA-10	$97.89	PLP12ZA-20	$113.10
264" - 284"	PLP12ZB-5	$74.97	PLP12ZB-10	$88.60	PLP12ZB-20	$103.43
285" - 287"	PLP12ZC-5	$91.63	PLP12ZC-10	$106.29	PLP12ZC-20	$122.76
288" - 310"	PLP12ZD-5	$81.76	PLP12ZD-10	$96.65	PLP12ZD-20	$112.78

15" Wide Poly Links

Length (Inches)	PR-5 Part Number	List Price	PR-10 Part Number	List Price	PR-20 Part Number	List Price
40 " - 42"	PLP15A-5	$14.54	PLP15A-10	$17.21	PLP15A-20	$19.97
43" - 47"	PLP15B-5	$30.68	PLP15B-10	$34.50	PLP15B-20	$39.06
48" - 52"	PLP15C-5	$30.68	PLP15C-10	$34.50	PLP15C-20	$39.06
53" - 57"	PLP15D-5	$30.68	PLP15D-10	$34.50	PLP15D-20	$39.06
58" - 59"	PLP15E-5	$31.87	PLP15E-10	$35.69	PLP15E-20	$40.17
60" - 64"	PLP15F-5	$21.82	PLP15F-10	$25.77	PLP15F-20	$29.91
65" - 71"	PLP15G-5	$37.98	PLP15G-10	$43.11	PLP15G-20	$49.00
72" - 78"	PLP15H-5	$37.98	PLP15H-10	$43.11	PLP15H-20	$49.00
79" - 86"	PLP15I-5	$29.05	PLP15I-10	$34.32	PLP15I-20	$39.88
87" - 96"	PLP15J-5	$45.23	PLP15J-10	$51.73	PLP15J-20	$58.98
97" - 99"	PLP15K-5	$45.80	PLP15K-10	$52.16	PLP15K-20	$59.38
100" - 108"	PLP15L-5	$36.35	PLP15L-10	$42.97	PLP15L-20	$49.90
109" - 119"	PLP15M-5	$52.52	PLP15M-10	$60.28	PLP15M-20	$69.00
120" - 130"	PLP15N-5	$43.60	PLP15N-10	$51.52	PLP15N-20	$59.88
131" - 139"	PLP15O-5	$59.76	PLP15O-10	$68.87	PLP15O-20	$78.91
140" - 152"	PLP15P-5	$50.82	PLP15P-10	$60.13	PLP15P-20	$69.83
153" - 159"	PLP15Q-5	$67.02	PLP15Q-10	$77.47	PLP15Q-20	$88.92
160" - 174"	PLP15R-5	$58.09	PLP15R-10	$68.68	PLP15R-20	$79.81
175" - 179"	PLP15S-5	$74.27	PLP15S-10	$86.06	PLP15S-20	$98.90
180" - 196"	PLP15T-5	$65.37	PLP15T-10	$77.30	PLP15T-20	$89.80
197" - 199"	PLP15U-5	$82.14	PLP15U-10	$95.16	PLP15U-20	$109.29
200" - 218"	PLP15V-5	$72.61	PLP15V-10	$85.87	PLP15V-20	$99.79
219" - 240"	PLP15W-5	$79.89	PLP15W-10	$94.49	PLP15W-20	$109.79
241" - 262"	PLP15X-5	$87.14	PLP15X-10	$103.09	PLP15X-20	$119.70

THE PHOENIX SERIES

16" Wide Poly Links

Length (Inches)	PR-5 Part Number	List Price	PR-10 Part Number	List Price	PR-20 Part Number	List Price
40" - 42"	PLP16A-5	$14.54	PLP16A-10	$17.21	PLP16A-20	$19.97
43" - 44"	PLP16B-5	$26.18	PLP16B-10	$28.91	PLP16B-20	$32.56
45" - 47"	PLP16C-5	$17.04	PLP16C-10	$19.88	PLP16C-20	$23.03
48" - 49"	PLP16D-5	$29.26	PLP16D-10	$32.33	PLP16D-20	$36.48
50" - 52"	PLP16E-5	$16.34	PLP16E-10	$19.33	PLP16E-20	$22.93
53" - 57"	PLP16F-5	$30.68	PLP16F-10	$34.50	PLP16F-20	$39.06
58" - 59"	PLP16G-5	$32.56	PLP16G-10	$36.44	PLP16G-20	$41.03
60" - 64"	PLP16H-5	$21.82	PLP16H-10	$25.77	PLP16H-20	$29.91
65" - 69"	PLP16I-5	$25.86	PLP16I-10	$30.02	PLP16I-20	$34.62
70" - 74"	PLP16J-5	$26.82	PLP16J-10	$31.12	PLP16J-20	$36.11
75" - 79"	PLP16K-5	$24.45	PLP16K-10	$28.97	PLP16K-20	$34.32
80" - 86"	PLP16L-5	$29.05	PLP16L-10	$34.32	PLP16L-20	$39.88
87" - 91"	PLP16M-5	$34.77	PLP16M-10	$40.22	PLP16M-20	$46.22
92" - 96"	PLP16N-5	$35.69	PLP16N-10	$41.32	PLP16N-20	$47.67
97" - 99"	PLP16O-5	$36.54	PLP16O-10	$42.36	PLP16O-20	$49.15
100" - 106"	PLP16P-5	$32.66	PLP16P-10	$38.64	PLP16P-20	$45.80
107" - 108"	PLP16Q-5	$36.35	PLP16Q-10	$42.97	PLP16Q-20	$49.90
109" - 118"	PLP16R-5	$44.53	PLP16R-10	$51.45	PLP16R-20	$59.22
119" - 124"	PLP16S-5	$43.60	PLP16S-10	$51.52	PLP16S-20	$59.88
125" - 133"	PLP16T-5	$40.80	PLP16T-10	$48.27	PLP16T-20	$57.28
134" - 139"	PLP16U-5	$53.41	PLP16U-10	$61.69	PLP16U-20	$70.78
140" - 149"	PLP16V-5	$50.82	PLP16V-10	$60.13	PLP16V-20	$69.83
150" - 160"	PLP16W-5	$48.97	PLP16W-10	$57.94	PLP16W-20	$68.68
161" - 174"	PLP16X-5	$58.09	PLP16X-10	$68.68	PLP16X-20	$79.81
175" - 187"	PLP16Y-5	$57.14	PLP16Y-10	$67.60	PLP16Y-20	$80.13
188" - 199"	PLP16Z-5	$65.37	PLP16Z-10	$77.30	PLP16Z-20	$89.80
200" - 214"	PLP16ZA-5	$65.27	PLP16ZA-10	$77.27	PLP16ZA-20	$91.63
215" - 224"	PLP16ZB-5	$84.48	PLP16ZB-10	$97.59	PLP16ZB-20	$112.93
225" - 241"	PLP16ZC-5	$73.42	PLP16ZC-10	$86.93	PLP16ZC-20	$103.09
242" - 249"	PLP16ZD-5	$87.14	PLP16ZD-10	$103.09	PLP16ZD-20	$119.70
250" - 268"	PLP16ZE-5	$81.64	PLP16ZE-10	$96.60	PLP16ZE-20	$114.49
269" - 274"	PLP16ZF-5	$104.91	PLP16ZF-10	$121.16	PLP16ZF-20	$140.50
275" - 295"	PLP16ZG-5	$89.76	PLP16ZG-10	$106.21	PLP16ZG-20	$125.98
296" - 299"	PLP16ZH-5	$114.67	PLP16ZH-10	$132.44	PLP16ZH-20	$153.57
300" - 322"	PLP16ZI-5	$97.97	PLP16ZI-10	$115.91	PLP16ZI-20	$137.42

18" Wide Poly Links

Length (Inches)	PR-5 Part Number	List Price	PR-10 Part Number	List Price	PR-20 Part Number	List Price
41" - 43"	PLP18A-5	$22.16	PLP18A-10	$24.94	PLP18A-20	$29.19
44" - 46"	PLP18B-5	$24.49	PLP18B-10	$27.45	PLP18B-20	$32.08
47" - 50"	PLP18C-5	$18.29	PLP18C-10	$21.63	PLP18C-20	$25.80
51" - 56"	PLP18D-5	$28.37	PLP18D-10	$32.94	PLP18D-20	$38.99
57" - 61"	PLP18E-5	$28.37	PLP18E-10	$32.94	PLP18E-20	$38.99
62" - 66"	PLP18F-5	$29.02	PLP18F-10	$33.25	PLP18F-20	$39.22
67" - 71"	PLP18G-5	$32.85	PLP18G-10	$37.42	PLP18G-20	$43.98
72" - 76"	PLP18H-5	$27.45	PLP18H-10	$32.43	PLP18H-20	$38.68
77" - 83"	PLP18I-5	$37.51	PLP18I-10	$43.77	PLP18I-20	$51.88
84" - 90"	PLP18J-5	$41.24	PLP18J-10	$47.39	PLP18J-20	$55.95
91" - 95"	PLP18K-5	$41.98	PLP18K-10	$48.23	PLP18K-20	$56.90
96" - 102"	PLP18L-5	$36.57	PLP18L-10	$43.25	PLP18L-20	$51.57
103" - 111"	PLP18M-5	$46.67	PLP18M-10	$54.58	PLP18M-20	$64.77
112" - 119"	PLP18N-5	$48.86	PLP18N-10	$56.53	PLP18N-20	$66.93
120" - 128"	PLP18O-5	$45.71	PLP18O-10	$54.10	PLP18O-20	$64.48
129" - 139"	PLP18P-5	$55.80	PLP18P-10	$65.37	PLP18P-20	$77.67
140" - 143"	PLP18Q-5	$61.09	PLP18Q-10	$70.70	PLP18Q-20	$83.62
144" - 154"	PLP18R-5	$54.87	PLP18R-10	$64.90	PLP18R-20	$77.36
155" - 167"	PLP18S-5	$64.96	PLP18S-10	$76.21	PLP18S-20	$90.57
168" - 180"	PLP18T-5	$64.02	PLP18T-10	$75.71	PLP18T-20	$90.21
181" - 191"	PLP18U-5	$74.13	PLP18U-10	$87.01	PLP18U-20	$103.47
192" - 206"	PLP18V-5	$73.16	PLP18V-10	$86.50	PLP18V-20	$103.14
207" - 215"	PLP18W-5	$84.65	PLP18W-10	$98.99	PLP18W-20	$117.53
216" - 232"	PLP18X-5	$82.31	PLP18X-10	$97.34	PLP18X-20	$116.01
233" - 239"	PLP18Y-5	$95.35	PLP18Y-10	$111.49	PLP18Y-20	$132.34
240" - 258"	PLP18Z-5	$91.46	PLP18Z-10	$108.15	PLP18Z-20	$128.91
259" - 263"	PLP18ZA-5	$106.06	PLP18ZA-10	$123.93	PLP18ZA-20	$147.13

18" Wide Poly Links

264" - 284"	PLP18ZB-5	$100.59	PLP18ZB-10	$118.95	PLP18ZB-20	$141.83
285" - 287"	PLP18ZC-5	$116.72	PLP18ZC-10	$136.40	PLP18ZC-20	$161.97
288" - 310"	PLP18ZD-5	$109.78	PLP18ZD-10	$129.79	PLP18ZD-20	$154.71

20" Wide Poly Links

Length (Inches)	PR-5 Part Number	List Price	PR-10 Part Number	List Price	PR-20 Part Number	List Price
32" - 34"	PLP20A-5	$14.54	PLP20A-10	$17.21	PLP20A-20	$19.97
35"-38"	PLP20B-5	$17.04	PLP20B-10	$19.88	PLP20B-20	$23.03
39"	PLP20C-5	$29.74	PLP20C-10	$32.81	PLP20C-20	$37.09
40" - 42"	PLP20D-5	$16.34	PLP20D-10	$19.33	PLP20D-20	$22.93
43" - 45"	PLP20E-5	$18.90	PLP20E-10	$22.06	PLP20E-20	$25.91
46" - 47"	PLP20F-5	$18.90	PLP20F-10	$22.06	PLP20F-20	$25.91
48" - 49"	PLP20G-5	$18.28	PLP20G-10	$21.60	PLP20G-20	$25.77
50" - 52"	PLP20H-5	$18.28	PLP20H-10	$21.60	PLP20H-20	$25.77
53" - 56"	PLP20I-5	$25.86	PLP20I-10	$30.02	PLP20I-20	$34.62
57" - 59"	PLP20J-5	$26.82	PLP20J-10	$31.12	PLP20J-20	$36.11
60" - 64"	PLP20K-5	$24.45	PLP20K-10	$28.97	PLP20K-20	$34.32
65" - 70"	PLP20L-5	$29.05	PLP20L-10	$34.32	PLP20L-20	$39.88
71" - 74"	PLP20M-5	$27.45	PLP20M-10	$32.43	PLP20M-20	$38.65
75" - 79"	PLP20N-5	$27.45	PLP20N-10	$32.43	PLP20N-20	$38.65
80" - 86"	PLP20O-5	$32.66	PLP20O-10	$38.64	PLP20O-20	$45.80
87" - 94"	PLP20P-5	$39.50	PLP20P-10	$45.81	PLP20P-20	$53.46
95" - 99"	PLP20Q-5	$36.57	PLP20Q-10	$43.24	PLP20Q-20	$51.52
100" - 106"	PLP20R-5	$36.57	PLP20R-10	$43.24	PLP20R-20	$51.52
107" - 108"	PLP20S-5	$40.80	PLP20S-10	$48.27	PLP20S-20	$57.28
109" - 111"	PLP20T-5	$49.19	PLP20T-10	$56.98	PLP20T-20	$66.47
112" - 119"	PLP20U-5	$50.82	PLP20U-10	$60.13	PLP20U-20	$69.83
120" - 128"	PLP20V-5	$45.71	PLP20V-10	$54.03	PLP20V-20	$64.42
129" - 133"	PLP20W-5	$45.71	PLP20W-10	$54.03	PLP20W-20	$64.42
134" - 139"	PLP20X-5	$58.09	PLP20X-10	$68.68	PLP20X-20	$79.81
140" - 143"	PLP20Y-5	$57.14	PLP20Y-10	$67.60	PLP20Y-20	$80.13
144" - 150"	PLP20Z-5	$54.85	PLP20Z-10	$64.89	PLP20Z-20	$77.30
151" - 160"	PLP20ZA-5	$54.85	PLP20ZA-10	$64.89	PLP20ZA-20	$77.30
161" - 167"	PLP20ZB-5	$65.27	PLP20ZB-10	$77.27	PLP20ZB-20	$91.63
168" - 177"	PLP20ZC-5	$64.02	PLP20ZC-10	$75.68	PLP20ZC-20	$90.15
178" - 187"	PLP20ZD-5	$64.02	PLP20ZD-10	$75.68	PLP20ZD-20	$90.15
188" - 191"	PLP20ZE-5	$73.42	PLP20ZE-10	$86.93	PLP20ZE-20	$103.09
192" - 202"	PLP20ZF-5	$73.16	PLP20ZF-10	$86.47	PLP20ZF-20	$103.09
203" - 214"	PLP20ZG-5	$73.16	PLP20ZG-10	$86.47	PLP20ZG-20	$103.09
215" - 229"	PLP20ZH-5	$82.30	PLP20ZH-10	$97.32	PLP20ZH-20	$115.96
230" - 241"	PLP20ZI-5	$82.30	PLP20ZI-10	$97.32	PLP20ZI-20	$115.96
242" - 254"	PLP20ZJ-5	$91.41	PLP20ZJ-10	$108.12	PLP20ZJ-20	$128.81
255" - 266"	PLP20ZK-5	$91.41	PLP20ZK-10	$108.12	PLP20ZK-20	$128.81
267" - 280"	PLP20ZL-5	$100.57	PLP20ZL-10	$118.90	PLP20ZL-20	$141.70
281" - 290"	PLP20ZM-5	$100.57	PLP20ZM-10	$118.90	PLP20ZM-20	$141.70
291" - 304"	PLP20ZN-5	$109.77	PLP20ZN-10	$129.74	PLP20ZN-20	$154.60
305" - 322"	PLP20ZO-5	$109.77	PLP20ZO-10	$129.74	PLP20ZO-20	$154.60

24" Wide Poly Links

Length (Inches)	PR-5 Part Number	List Price	PR-10 Part Number	List Price	PR-20 Part Number	List Price
25"-26"	PLP24A-5	$13.64	PLP24A-10	$16.08	PLP24A-20	$18.80
36"-39"	PLP24B-5	$16.83	PLP24B-10	$19.92	PLP24B-20	$23.54
40" - 42"	PLP24D-5	$18.28	PLP24D-10	$21.60	PLP24D-20	$25.77
43" - 46"	PLP24E-5	$20.78	PLP24E-10	$24.27	PLP24E-20	$28.56
47" - 50"	PLP24F-5	$20.08	PLP24F-10	$23.70	PLP24F-20	$28.21
51" - 54"	PLP24G-5	$36.28	PLP24G-10	$41.00	PLP24G-20	$47.29
55" - 59"	PLP24H-5	$36.28	PLP24H-10	$41.00	PLP24H-20	$47.29
60" - 64"	PLP24I-5	$27.45	PLP24I-10	$32.43	PLP24I-20	$38.65
65" - 68"	PLP24J-5	$31.51	PLP24J-10	$36.66	PLP24J-20	$43.08
69" - 71"	PLP24K-5	$32.43	PLP24K-10	$37.70	PLP24K-20	$44.32
72" - 76"	PLP24L-5	$30.16	PLP24L-10	$35.49	PLP24L-20	$42.28
77" - 79"	PLP24M-5	$46.31	PLP24M-10	$52.85	PLP24M-20	$61.36
80" - 86"	PLP24N-5	$36.57	PLP24N-10	$43.24	PLP24N-20	$51.52
87" - 90"	PLP24O-5	$42.25	PLP24O-10	$49.12	PLP24O-20	$57.54
91" - 95"	PLP24P-5	$44.05	PLP24P-10	$51.12	PLP24P-20	$59.98

THE PHOENIX SERIES

24" Wide Poly Links

Length	PR-5 Part Number	List Price	PR-10 Part Number	List Price	PR-20 Part Number	List Price
96" - 102"	PLP24Q-5	$40.17	PLP24Q-10	$47.34	PLP24Q-20	$56.40
103" - 108"	PLP24R-5	$45.71	PLP24R-10	$54.03	PLP24R-20	$64.42
109" - 116"	PLP24S-5	$53.93	PLP24S-10	$62.54	PLP24S-20	$73.28
117" - 119"	PLP24T-5	$55.70	PLP24T-10	$64.55	PLP24T-20	$75.69
120" - 128"	PLP24U-5	$50.26	PLP24U-10	$59.19	PLP24U-20	$70.51
129" - 130"	PLP24V-5	$54.85	PLP24V-10	$64.89	PLP24V-20	$77.30
131" - 134"	PLP24W-5	$63.78	PLP24W-10	$73.89	PLP24W-20	$86.52
135" - 139"	PLP24X-5	$66.42	PLP24X-10	$76.95	PLP24X-20	$90.15
140" - 143"	PLP24Y-5	$64.02	PLP24Y-10	$75.68	PLP24Y-20	$90.15
144" - 154"	PLP24Z-5	$60.25	PLP24Z-10	$71.03	PLP24Z-20	$84.60
155" - 159"	PLP24ZA-5	$77.22	PLP24ZA-10	$89.41	PLP24ZA-20	$104.67
160" - 167"	PLP24ZB-5	$73.16	PLP24ZB-10	$86.47	PLP24ZB-20	$103.09
168" - 180"	PLP24ZC-5	$70.31	PLP24ZC-10	$82.83	PLP24ZC-20	$98.72
181" - 191"	PLP24ZD-5	$82.30	PLP24ZD-10	$97.32	PLP24ZD-20	$115.96
192" - 206"	PLP24ZE-5	$80.33	PLP24ZE-10	$94.67	PLP24ZE-20	$112.78
207" - 215"	PLP24ZF-5	$91.41	PLP24ZF-10	$108.12	PLP24ZF-20	$128.81
216" - 232"	PLP24ZG-5	$90.38	PLP24ZG-10	$106.53	PLP24ZG-20	$126.91
233" - 239"	PLP24ZH-5	$100.57	PLP24ZH-10	$118.90	PLP24ZH-20	$141.70
240" - 258"	PLP24ZI-5	$100.42	PLP24ZI-10	$118.36	PLP24ZI-20	$141.00
259" - 262"	PLP24ZJ-5	$109.77	PLP24ZJ-10	$129.74	PLP24ZJ-20	$154.60
263" - 284"	PLP24ZK-5	$110.47	PLP24ZK-10	$130.20	PLP24ZK-20	$155.11
285" - 287"	PLP24ZL-5	$137.22	PLP24ZL-10	$158.62	PLP24ZL-20	$185.62
288" - 310"	PLP24ZM-5	$120.52	PLP24ZM-10	$142.02	PLP24ZM-20	$169.22

25" Wide Poly Links

Length (Inches)	PR-5 Part Number	List Price	PR-10 Part Number	List Price	PR-20 Part Number	List Price
32" - 34"	PLP25A-5	$16.34	PLP25A-10	$19.33	PLP25A-20	$22.93
35 " - 38"	PLP25B-5	$18.90	PLP25B-10	$22.06	PLP25B-20	$25.91
39" - 42"	PLP25C-5	$18.28	PLP25C-10	$21.60	PLP25C-20	$25.77
43"	PLP25D-5	$20.53	PLP25D-10	$23.92	PLP25D-20	$28.15
44" - 47"	PLP25E-5	$21.47	PLP25E-10	$25.07	PLP25E-20	$29.58
48" - 49"	PLP25F-5	$24.45	PLP25F-10	$28.97	PLP25F-20	$34.32
50" - 52"	PLP25G-5	$21.44	PLP25G-10	$25.38	PLP25G-20	$30.19
53" - 56"	PLP25H-5	$28.64	PLP25H-10	$33.32	PLP25H-20	$38.99
57" - 59"	PLP25I-5	$30.25	PLP25I-10	$35.19	PLP25I-20	$41.21
60" - 64"	PLP25J-5	$27.45	PLP25J-10	$32.43	PLP25J-20	$38.65
65" - 70"	PLP25K-5	$32.66	PLP25K-10	$38.64	PLP25K-20	$45.80
71" - 74"	PLP25L-5	$33.77	PLP25L-10	$39.34	PLP25L-20	$46.25
75" - 79"	PLP25M-5	$32.17	PLP25M-10	$37.99	PLP25M-20	$45.23
80" - 86"	PLP25N-5	$36.57	PLP25N-10	$43.24	PLP25N-20	$51.52
87" - 88"	PLP25O-5	$40.80	PLP25O-10	$48.27	PLP25O-20	$57.28
89" - 95"	PLP25P-5	$49.82	PLP25P-10	$57.69	PLP25P-20	$67.32
96" - 99"	PLP25Q-5	$48.97	PLP25Q-10	$57.94	PLP25Q-20	$68.68
100" - 106"	PLP25R-5	$42.91	PLP25R-10	$50.67	PLP25R-20	$60.34
107" - 108"	PLP25S-5	$45.71	PLP25S-10	$54.03	PLP25S-20	$64.42
109" - 111"	PLP25T-5	$54.88	PLP25T-10	$63.72	PLP25T-20	$74.57
112" - 119"	PLP25U-5	$57.14	PLP25U-10	$67.60	PLP25U-20	$80.13
120" - 124"	PLP25V-5	$54.85	PLP25V-10	$64.89	PLP25V-20	$77.30
125" - 133"	PLP25W-5	$53.63	PLP25W-10	$63.36	PLP25W-20	$75.42
134" - 139"	PLP25X-5	$65.27	PLP25X-10	$77.27	PLP25X-20	$91.63
140" - 149"	PLP25Y-5	$64.02	PLP25Y-10	$75.68	PLP25Y-20	$90.15
150" - 160"	PLP25Z-5	$64.37	PLP25Z-10	$76.03	PLP25Z-20	$90.52
161" - 174"	PLP25ZA-5	$73.16	PLP25ZA-10	$86.47	PLP25ZA-20	$103.09
175" - 187"	PLP25ZB-5	$75.09	PLP25ZB-10	$88.69	PLP25ZB-20	$105.57
188" - 196"	PLP25ZC-5	$82.30	PLP25ZC-10	$97.32	PLP25ZC-20	$115.96
197" - 199"	PLP25ZD-5	$95.45	PLP25ZD-10	$110.71	PLP25ZD-20	$129.72
200" - 214"	PLP25ZE-5	$85.79	PLP25ZE-10	$101.35	PLP25ZE-20	$120.68
215" - 218"	PLP25ZF-5	$91.41	PLP25ZF-10	$108.12	PLP25ZF-20	$128.81
219" - 224"	PLP25ZG-5	$100.57	PLP25ZG-10	$118.90	PLP25ZG-20	$141.70
225" - 241"	PLP25ZH-5	$96.57	PLP25ZH-10	$114.04	PLP25ZH-20	$135.75
242" - 249"	PLP25ZI-5	$109.77	PLP25ZI-10	$129.74	PLP25ZI-20	$154.60
250" - 268"	PLP25ZJ-5	$107.24	PLP25ZJ-10	$126.69	PLP25ZJ-20	$150.83
269" - 274"	PLP25ZK-5	$131.44	PLP25ZK-10	$152.37	PLP25ZK-20	$178.30
275" - 295"	PLP25ZL-5	$118.02	PLP25ZL-10	$139.34	PLP25ZL-20	$165.89
296" - 299"	PLP25ZM-5	$144.74	PLP25ZM-10	$167.83	PLP25ZM-20	$196.41
300" - 322"	PLP25ZN-5	$128.71	PLP25ZN-10	$152.00	PLP25ZN-20	$181.00

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THE PHOENIX SERIES

POLY RINGS PANELS

STANDARD SIZE	PR-5 1/2" PART NUMBER	PRICE PR-5	PR-10 1" PART NUMBER	PRICE PR-10	PR-20 2" PART NUMBER	PRICE PR-20
12x24	PRP1224-5	$6.84	PRP1224-10	$8.09	PRP1224-20	$9.42
15x20	PRP1520-5	$7.28	PRP1520-10	$8.58	PRP1520-20	$9.96
16x20	PRP1620-5	$7.28	PRP1620-10	$8.58	PRP1620-20	$9.96
16x24	PRP1624-5	$9.15	PRP1624-10	$10.82	PRP1624-20	$12.88
16x25	PRP1625-5	$8.14	PRP1625-10	$9.64	PRP1625-20	$11.45
18x24	PRP1824-5	$9.15	PRP1824-10	$10.82	PRP1824-20	$12.88
20x20	PRP2020-5	$8.14	PRP2020-10	$9.64	PRP2020-20	$11.45
20x24	PRP2024-5	$9.15	PRP2024-10	$10.82	PRP2024-20	$12.88
20x25	PRP2025-5	$9.15	PRP2025-10	$10.82	PRP2025-20	$12.88
24x24	PRP2424-5	$10.06	PRP2424-10	$11.81	PRP2424-20	$14.11
25x25	PRP2525-5	$10.73	PRP2525-10	$12.64	PRP2525-20	$15.06
Standard Size Packaging:	24		12		12	

"Series 55" (three cross bars) add 40% to List Price.

SPECIAL SIZE POLY-RINGS & LINKS:

POLY RINGS: Special Size Over 250 Square Inches				POLY RINGS: Special Size Under 250 Square Inches			
Per Square Inch	1/2" PR-5	1" PR-10	2" PR-20	Per Filter	1/2" PR-5	1" PR-10	2" PR-20
	$0.046	$0.051	$0.056		$10.68	$11.93	$13.96

PHOENIX SERIES SPECIAL SIZE LINKS: SPECIAL SIZES WITH AN OUTSIDE PERIMETER OF 120" OR LONGER THAN 40" WILL BE CONSIDERED A LINK.
THE FOLLOWING ARE DIRECTIONS TO CALCULATE SPECIAL SIZE POLY LINK PRICING AND ADDITIONAL CHARGES.

* SPECIAL SIZE LINK: ADD $10.00 TO THE LIST PRICE

THIS LINK DOES NOT HAVE A STANDARD WIDTH. DETERMINE THE LIST PRICE OF THIS LINK BY MULTIPLYING THE LENGTH AND WIDTH
TO FIND THE SQUARE INCHES. MULTIPLY THAT FIGURE BY THE SPECIAL SIZE PRICE ON THIS LIST PRICE SHEET.
ADD $10.00 LIST LINKING CHARGE PER COMPLETE FILTER UNIT
*A SPECIAL SIZE LINK IS ANY LINK THAT DOES NOT HAVE A STANDARD SIZE WIDTH AND CANNOT BE MANUFACTURED USING A
COMBINATION OF STANDARD RING PANELS.

Master-Pak Poly Link Standard Sizes

2" Media gap between each panel to facilitate cutting.

MASTER-PAK QTY	PR-5 Panel Size	Nominal Width x Length	Part Number	List Price MSTRPAK/24	MASTER-PAK QTY	PR-5 Panel Size	Nominal Width x Length	Part Number	List Price MSTRPAK/24
24	12x24	12" x 576"	PLP1224-5-24	$163.64	24	24x12	24" x 288"	PLP2412-5-24	$163.64
24	15x20	15" x 480"	PLP1520-5-24	$174.30	24	20x15	20" x 360"	PLP2015-5-24	$174.30
24	16x20	16" x 480"	PLP1620-5-24	$174.30	24	20x16	20" x 384"	PLP2016-5-24	$174.30
24	16x25	16" x 600"	PLP1625-5-24	$195.64	24	25x16	25" x 384"	PLP2516-5-24	$195.64
24	18x24	18" x 576"	PLP1824-5-24	$219.48	24	24x18	24" x 432"	PLP2418-5-24	$219.48
24	20x20	20" x 480"	PLP2020-5-24	$195.64	24	24x20	24" x 480"	PLP2420-5-24	$219.48
24	20x24	20" x 576"	PLP2024-5-24	$219.48	24	25x20	25" x 480"	PLP2520-5-24	$219.48
24	20x25	20" x 600"	PLP2025-5-24	$219.48					
24	24x24	24" x 576"	PLP2424-5-24	$241.26					
24	25x25	25" x 600"	PLP2525-5-24	$257.87					

MASTER-PAK QTY	PR-10 Size	Nominal Width x Length	Part Number	List Price MSTRPAK/24	MASTER-PAK QTY	PR-10 Panel Size	Nominal Width x Length	Part Number	List Price MSTRPAK/24
24	12x24	12" x 576"	PLP1224-10-24	$193.50	24	24x12	24" x 288"	PLP2412-10-24	$193.50
24	15x20	15" x 480"	PLP1520-10-24	$205.89	24	20x15	20" x 360"	PLP2015-10-24	$205.89
24	16x20	16" x 480"	PLP1620-10-24	$205.89	24	20x16	20" x 384"	PLP2016-10-24	$205.89
24	16x25	16" x 600"	PLP1625-10-24	$231.86	24	25x16	25" x 384"	PLP2516-10-24	$231.86
24	18x24	18" x 576"	PLP1824-10-24	$259.56	24	24x18	24" x 432"	PLP2418-10-24	$259.56
24	20x20	20" x 480"	PLP2020-10-24	$231.86	24	24x20	24" x 480"	PLP2420-10-24	$259.56
24	20x24	20" x 576"	PLP2024-10-24	$259.56	24	25x20	25" x 480"	PLP2520-10-24	$259.56
24	20x25	20" x 600"	PLP2025-10-24	$259.56					
24	24x24	24" x 576"	PLP2424-10-24	$283.87					
24	25x25	25" x 600"	PLP2525-10-24	$303.87					

MASTER-PAK QTY	PR-20 Size	Nominal Width x Length	Part Number	List Price MSTRPAK/12	MASTER-PAK QTY	PR-20 Size	Nominal Width x Length	Part Number	List Price MSTRPAK/12
12	12x24	12" x 288"	PLP1224-20-12	$112.73	12	24x12	24" x 144"	PLP2412-20-12	$112.73
12	15x20	15" x 240"	PLP1520-20-12	$119.77	12	20x15	20" x 180"	PLP2015-20-12	$119.77
12	16x20	16" x 240"	PLP1620-20-12	$119.77	12	20x16	20" x 192"	PLP2016-20-12	$119.77
12	16x25	16" x 300"	PLP1625-20-12	$137.45	12	25x16	25" x 192"	PLP2516-20-12	$137.45
12	18x24	18" x 288"	PLP1824-20-12	$154.71	12	24x18	24" x 216"	PLP2418-20-12	$154.71
12	20x20	20" x 240"	PLP2020-20-12	$137.45	12	24x20	24" x 240"	PLP2420-20-12	$154.71
12	20x24	20" x 288"	PLP2024-20-12	$154.71	12	25x20	25" x 240"	PLP2520-20-12	$154.71
12	20x25	20" x 300"	PLP2025-20-12	$154.71					
12	24x24	24" x 288"	PLP2424-20-12	$169.20					
12	25x25	25" x 300"	PLP2525-20-12	$180.92					

REPLACEMENT SLEEVES

STANDARD SIZE	PR-5 1/2"		PR-10 1"		PR-20 2"	
	PART NUMBER	PRICE PR-5	PART NUMBER	PRICE PR-10	PART NUMBER	PRICE PR-20
12x24	PRS1224-5	$3.74	PRS1224-10	$5.11	PRS1224-20	$6.52
15x20	PRS1520-5	$5.06	PRS1520-10	$5.48	PRS1520-20	$6.94
16x20	PRS1620-5	$5.06	PRS1620-10	$5.48	PRS1620-20	$6.94
16x24	PRS1624-5	$6.21	PRS1624-10	$7.41	PRS1624-20	$9.63
16x25	PRS1625-5	$5.48	PRS1625-10	$6.41	PRS1625-20	$8.14
18X24	PRS1824-5	$6.21	PRS1824-10	$7.41	PRS1824-20	$9.63
20x20	PRS2020-5	$5.48	PRS2020-10	$6.41	PRS2020-20	$8.14
20x24	PRS2024-5	$6.21	PRS2024-10	$7.41	PRS2024-20	$9.63
20x25	PRS2025-5	$6.21	PRS2025-10	$7.41	PRS2025-20	$9.63
24x24	PRS2424-5	$7.15	PRS2424-10	$8.31	PRS2424-20	$10.79
25x25	PRS2525-5	$8.19	PRS2525-10	$9.53	PRS2525-20	$12.39

REPLACEMENT SLEEVES:
Special Size Over 250 Square Inches

Per Square Inch	1/2" PR-5	1" PR-10	2" PR-20
	$0.030	$0.035	$0.044

REPLACEMENT SLEEVES:
Special Size Under 250 Square Inches

Per Filter	1/2" PR-5	1" PR-10	2" PR-20
	$5.34	$6.69	$8.61

POLYFLOSS POLY-SLEEVE SERVICE ROLLS

A unique product designed for use as economical refills for poly-ring filters in a cut-to-size roll form. Poly-Sleeve service rolls use a polyester media which has a low restriction to air flow, yet efficient in removing nuisance dust.

PART NUMBER	STANDARD SIZES	LIST PRICE
PSSR0740	7" x 40' x 1"	$47.24
PSSR0840	8" x 40' x 1"	$59.73
PSSR0940	9" x 40' x 1"	$68.63
PSSR1040	10" x 40' x 1"	$75.01
PSSR1640	16" x 40' x 1"	$120.89
PSSR2040	20" x 40' x 1"	$150.61

Glasfloss®
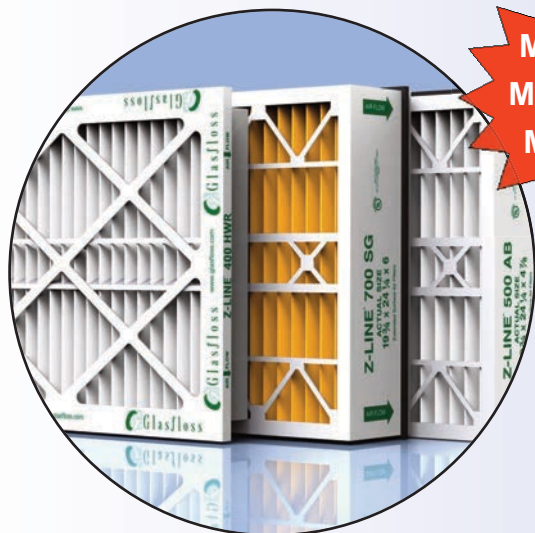
MERV 10, MERV 11 & MERV 13

[Z-LINE® SERIES]
AIR CLEANER FILTERS

- MERV 10, MERV 11 or MERV 13
- Replacement Options for Aprilaire® (formerly Space-Gard®), Trion®, Honeywell®, Goodman® & Amana® Air Cleaners
- 100% Synthetic Media
- Heavy-Duty Moisture-Resistant Construction
- Carbon Media Available for Odor Control

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 and #401, features a convenient cartridge design to save time and money.
- The Z-Line 600 GA is a filter replacement option for Goodman® and Amana® whole-house high efficiency media air cleaners.
- 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® F-40R cartridge filters.

Glasfloss Z-Line Series Air Cleaner Replacement Filters shall be of the extended-surface pleated media type. The media utilized shall be 100% synthetic fibers. An expanded metal reinforcement will be laminated to the air-exit 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 ensure 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 classified under U.L. std. 900 and be rated up to 180 degrees Fahrenheit. The Z-Line Series Air Cleaner Replacement Filters shall achieve a MERV 10, MERV 11 or MERV 13 when tested in accordance with the ANSI/ASHRAE 52.2 Test Standard.
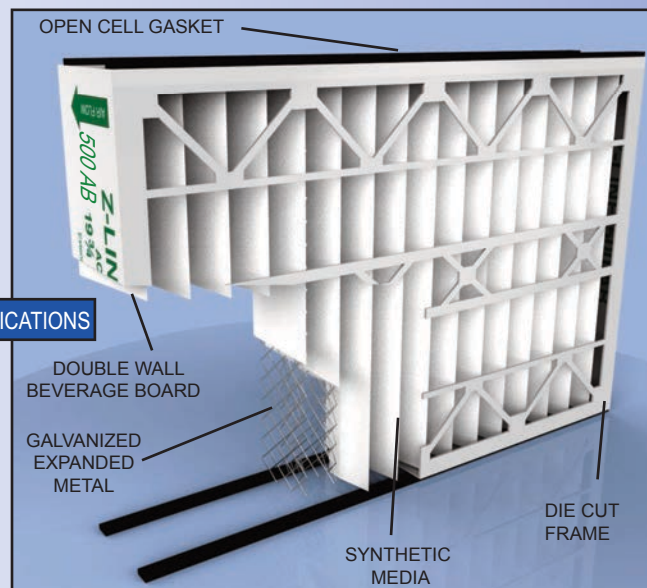
< SPECIFICATIONS

OPEN CELL GASKET

DOUBLE WALL BEVERAGE BOARD

GALVANIZED EXPANDED METAL

SYNTHETIC MEDIA

DIE CUT FRAME

"Serving You With Locations Throughout The Nation"

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

www.glasfloss.com · (214) 741-7056   PRODUCT BULLETIN 5ACLNR • SECTION 5 • 8-19-21

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 10	MERV 11	MERV 13				MERV 10	MERV 11	MERV 13
Z-Line 700 SG												
SGP20256	20 x 25 x 6	19-3/4 x 24-1/4 x 6	300	.09	.11	.13	37.85	508 x 635 x 152	5490	22.4	27.4	32.3
SGP16276	16 x 27 x 6	15-3/8 x 27 x 6	300	.09	.11	.13	38.06	406 x 686 x 152	5490	22.4	27.4	32.3
SGP20256AC	20 x 25 x 6	19-3/4 x 24-1/4 x 6	300	.18	-	-	37.85	508 x 635 x 152	5490	44.8	-	-

AC = Activated Carbon

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		
Z-Line 600 GA				MERV 10	MERV 11	MERV 13				MERV 10	MERV 11	MERV 13
GAP16205	16 x 20 x 5	15-3/8 x 21-7/8 x 5-1/4	300	.08	.09	.10	25.26	406 x 508 x 127	5490	19.9	22.4	24.9
GAP16255	16 x 25 x 5	15-3/8 x 25-1/2 x 5-1/4	300	.08	.09	.10	27.56	406 x 635 x 127	5490	19.9	22.4	24.9
GAP20205	20 x 20 x 5	20-1/4 x 20-3/4 x 5-1/4	300	.08	.09	.10	32.48	508 x 508 x 127	5490	19.9	22.4	24.9
GAP20255	20 x 25 x 5	20-1/4 x 25-3/8 x 5-1/4	300	.08	.09	.10	35.43	508 x 635 x 127	5490	19.9	22.4	24.9

Z-Line 500 AB & 300AB

MODEL NUMBER	SIZE W x H x D NOMINAL	SIZE W x H x D EXACT	RATED VELOCITY FPM	MERV 10	MERV 11	MERV 13	MEDIA SQUARE FEET	SIZE W x H x D NOMINAL MM	RATED VELOCITY M/H	MERV 10	MERV 11	MERV 13
ABP16255	16 x 25 x 5	15-3/4 x 24-1/4 x 4-7/8	300	.07	.08	.10	18.12	406 x 635 x 127	5490	17.4	19.9	24.9
ABP20205	20 x 20 x 5	19-3/4 x 20-3/4 x 4-7/8	300	.07	.08	.10	18.72	508 x 508 x 127	5490	17.4	19.9	24.9
ABP20255	25 x 20 x 5	24-1/4 x 19-3/4 x 4-7/8	300	.07	.08	.10	22.73	635 x 508 x 127	5490	17.4	19.9	24.9
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	-
ABP20255AC	25 x 20 x 5	24-1/4 x 19-3/4 x 4-7/8	300	.14	-	-	22.73	635 x 508 x 127	5490	34.8	-	-

AC = Activated Carbon

Z-Line 400 HW

MODEL NUMBER	SIZE W x H x D NOMINAL	SIZE W x H x D EXACT	RATED VELOCITY FPM	MERV 10	MERV 11	MERV 13	MEDIA SQUARE FEET	SIZE W x H x D NOMINAL MM	RATED VELOCITY M/H	MERV 10	MERV 11	MERV 13
HWP13204	12-1/2 x 20 x 4	12-1/2 x 20 x 4-3/8	300	.08	.09	.11	9.75	318 x 508 x 102	5490	19.9	22.4	27.4
HWP16204	16 x 20 x 4	16 x 19-7/8 x 4-3/8	300	.08	.09	.11	12.48	406 x 508 x102	5490	19.9	22.4	27.4
HWP16254	16 x 25 x 4	16 x 24-7/8 x 4-3/8	300	.08	.09	.11	15.64	406 x 635 x 102	5490	19.9	22.4	27.4
HWP20204	20 x 20 x 4	20 x 19-7/8 x 4-3/8	300	.08	.09	.11	15.60	508 x 508 x 102	5490	19.9	22.4	27.4
HWP20254	20 x 25 x 4	20 x 24-7/8 x 4-3/8	300	.08	.09	.11	19.55	508 x 635 x 102	5490	19.9	22.4	27.4

Z-Line 400 HWR

MODEL NUMBER	SIZE W x H x D NOMINAL	SIZE W x H x D EXACT	RATED VELOCITY FPM	MERV 10	MERV 11	MERV 13	MEDIA SQUARE FEET	SIZE W x H x D NOMINAL MM	RATED VELOCITY M/H	MERV 10	MERV 11	MERV 13
HWR12124	12 x 12 x 4	11-3/4 x 11-3/4 x 3-3/4	300	.10	.12	.14	5.14	305 x 305 x 102	5490	24.9	29.9	34.8
HWR12244	12 x 24 x 4	11-3/4 x 23-3/4 x 3-3/4	300	.10	.12	.14	12.37	305 x 610 x 102	5490	24.9	29.9	34.8
HWR14144	14 x 14 x 4	13-3/4 x 13-3/4 x 3-3/4	300	.10	.12	.14	7.09	356 x 356 x 102	5490	24.9	29.9	34.8
HWR14204	14 x 20 x 4	13-3/4 x 19-3/4 x 3-3/4	300	.10	.12	.14	11.32	356 x 508 x 102	5490	24.9	29.9	34.8
HWR14244	14 x 24 x 4	13-3/4 x 23-3/4 x 3-3/4	300	.10	.12	.14	13.61	356 x 610 x 102	5490	24.9	29.9	34.8
HWR14254	14 x 25 x 4	13-3/4 x 24-3/4 x 3-3/4	300	.10	.12	.14	14.82	356 x 635 x 102	5490	24.9	29.9	34.8
HWR14304	14 x 30 x 4	13-3/4 x 29-3/4 x 3-3/4	300	.10	.12	.14	18.05	356 x 762 x 102	5490	24.9	29.9	34.8
HWR16204	16 x 20 x 4	15-3/4 x 19-3/4 x 3-3/4	300	.10	.12	.14	13.37	406 x 508 x 102	5490	24.9	29.9	34.8
HWR16254	16 x 25 x 4	15-3/4 x 24-3/4 x 3-3/4	300	.10	.12	.14	18.87	406 x 635 x 102	5490	24.9	29.9	34.8
HWR18184	18 x 18 x 4	17-3/4 x 17-3/4 x 3-3/4	300	.10	.12	.14	12.30	450 x 450 x 102	5490	24.9	29.9	34.8
HWR18244	18 x 24 x 4	17-3/4 x 23-3/4 x 3-3/4	300	.10	.12	.14	18.55	450 x 610 x 102	5490	24.9	29.9	34.8
HWR18304	18 x 30 x 4	17-3/4 x 29-3/4 x 3-3/4	300	.10	.12	.14	21.88	450 x 762 x 102	5490	24.9	29.9	34.8
HWR20204	20 x 20 x 4	19-3/4 x 19-3/4 x 3-3/4	300	.10	.12	.14	18.52	508 x 508 x 102	5490	24.9	29.9	34.8
HWR20244	20 x 24 x 4	19-3/4 x 23-3/4 x 3-3/4	300	.10	.12	.14	22.27	508 x 610 x 102	5490	24.9	29.9	34.8
HWR20254	20 x 25 x 4	19-3/4 x 24-3/4 x 3-3/4	300	.10	.12	.14	23.66	508 x 635 x 102	5490	24.9	29.9	34.8
HWR20304	20 x 30 x 4	19-3/4 x 29-3/4 x 3-3/4	300	.10	.12	.14	28.80	508 x 762 x 102	5490	24.9	29.9	34.8
HWR24244	24 x 24 x 4	23-3/4 x 23-3/4 x 3-3/4	300	.10	.12	.14	27.21	610 x 610 x 102	5490	24.9	29.9	34.8
HWR24304	24 x 30 x 4	23-3/4 x 30-3/4 x 3-3/4	300	.10	.12	.14	34.64	610 x 781 x 102	5490	24.9	29.9	34.8

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

STANDARD PRESSURE DROP
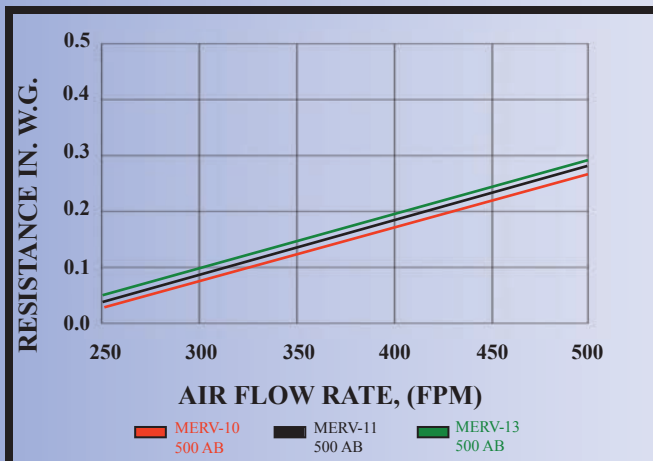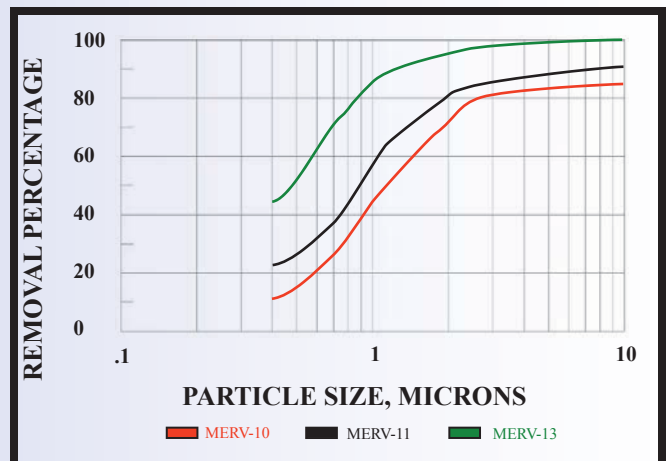
RESISTANCE IN. W.G. vs AIR FLOW RATE, (FPM)

MERV-10 500 AB · MERV-11 500 AB · MERV-13 500 AB

MINIMUM PARTICLE SIZE EFFICIENCY

REMOVAL PERCENTAGE vs PARTICLE SIZE, MICRONS

MERV-10 · MERV-11 · MERV-13

> 700 SG

Z-Line 700 SG (Aprilaire®) : A replacement option for the Aprilaire® (formerly Space-Gard®) media #201 and #401. 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 thermally-bonded, and manufactured in an engineered gradient structure. The Z-Line 700 SG achieves a MERV 10, MERV 11 or MERV 13 rating when tested in accordance with the ANSI/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-exit side) facing up. Once the plastic frame is closed, it will slide back into the metal housing.
The Glasfloss Z-Line 700 SG filter 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.

> 600 GA

Z-Line 600 GA (Goodman® & Amana®) : Replacement option for the Goodman® and Amana® whole-house high efficiency media air cleaners. The Z-Line 600 GA Series incorporates 100% synthetic fibers that are thermally-bonded, and manufactured in an engineered gradient structure. The Z-Line 600 GA Series achieves a MERV 10, MERV 11 or MERV 13 rating in accordance with the ANSI/ASHRAE 52.2 Test Standard. Each filter is sealed in plastic to avoid contamination before use.

Goodman® & Amana® are registered trademarks of Goodman & Amana, Inc.

> 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 filters incorporate 100% synthetic fibers that are thermally-bonded, and manufactured in an engineered gradient structure. Z-Line 500 AB & 300 AB filters achieve a MERV 10, MERV 11 or MERV 13 rating when tested in accordance with the ANSI/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 option for the Honeywell® F-100 and FC40R air cleaner filters. The Z-Line 400 HW and 400 HWR incorporate 100% synthetic fibers that are thermally-bonded, and manufactured in an engineered gradient structure. The Z-Line 400 HW achieves a MERV 10, MERV 11, or MERV 13 rating and 400 HWR achieve a MERV 10 or MERV 11 rating when tested in accordance with the ANSI/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.

400 HWR

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

WALL OR CEILING DUCT

FILTER

FILTER GRILLE
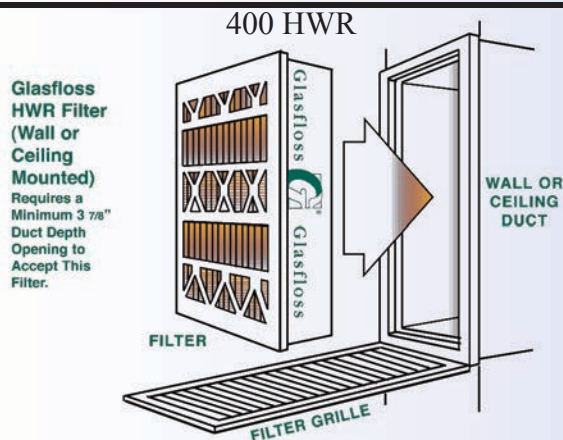
· MERV 10 or MERV 11
· 100% Synthetic Fibers
· High Initial Efficiency
· Thermally Bonded
· Fibers Resist Shedding
· Media Doesn't Absorb Moisture
· No Chemical Binders

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Glasfloss®

THE CLEAR CHOICE SINCE 1936

Air Cleaner Cross-Reference Guide

Air Cleaner Products	Glasfloss Model and Part Number
Research Products Aprilaire©	**Z-Line© 700 SG MERV 10**
Model 2200, 2250 Replacement Filter Type 201	SGP20256
Model 2400 Replacement Filter Type 401	SGP16276
Goodman© & Amana©	**Z-Line© 600 GA MERV 11**
M0-1056	GAP16205M11
M1-1056	GAP16255M11
M2-1056	GAP20205M11
M8-1056	GAP20255M11
Trion©	**Z-Line© 500 AB & 300 AB MERV 10**
Air Bear - 255649-105	ABP16255
Air Bear - 255649-103	ABP20205
Air Bear - 255649-102	ABP20255
Air Cub - 255649-101	ABP16253
Honeywell©	**Z-Line© 400 HW MERV 10**
Model F-100	
FC100A1052	HWP13204
FC100A1003	HWP16204
FC100A1029	HWP16254
FC100A1011	HWP20204
FC100A1037	HWP20254
Honeywell©	**Z-Line© 400 HWR MERV 10**
Model FC40R	
FC40R1094	HWR12124
FC40R1037	HWR12244
FC40R1102	HWR14144
FC40R1110	HWR14204
FC40R1128	HWR14244
FC40R1045	HWR14254
FC40R1169	HWR14304
FC40R1052	HWR16204
FC40R1060	HWR16254
FC40R1185	HWR18184
FC40R1136	HWR18244
FC40R1830	HWR18304
FC40R1003	HWR20204
FC40R1144	HWR20244
FC40R1011	HWR20254
FC40R1029	HWR20304
FC40R1078	HWR24244
FC40R1177	HWR24304

Glasfloss Industries incorporates color-coded carton labels on standard sizes to help identify the product which enhances warehouse operations and shipments.

2 Pieces
Z-Line 700 SG
MERV 10 Air Cleaner Series
20 x 25 x 6
Part # SGP20256
Glasfloss Industries   WWW.GLASFLOSS.COM

MADE IN U.S.A.

Distributed by:

Glasfloss® Industries
Excellence in Air Filtration Since 1936

Z-LINE 400 HW Series MERV 10
> Replacement Option For The Honeywell F100 Media Filter*

Model Number	Part Number 5-Pack	Part Number 2-Pack	Actual Size W x H x D	List Price 5-Pack	List Price 2-Pack	Approx. Weight 5-Pack	Approx. Weight 2-Pack
400 HW	HWP13204	HWP132042PK	12 1/2" x 20" x 4 3/8"	47.60	$49.98	9 LB.	4 LB.
400 HW	HWP16204	HWP162042PK	16" x 19 7/8" x 4 3/8"	48.73	$51.19	12 LB.	5 LB.
400 HW	HWP16254	HWP162542PK	16" x 24 7/8" x 4 3/8"	54.03	$56.71	13 LB.	6 LB.
400 HW	HWP20204	HWP202042PK	20" x 19 7/8" x 4 3/8"	54.67	$57.39	13 LB.	6 LB.
400 HW	HWP20254	HWP202542PK	20" x 24 7/8" x 4 3/8"	55.42	$58.17	15 LB.	6 LB.

Z-LINE 400 HW Series MERV 11

Model Number	Part Number 5-Pack	Part Number 2-Pack	Actual Size W x H x D	List Price 5-Pack	List Price 2-Pack	Approx. Weight 5-Pack	Approx. Weight 2-Pack
400 HW M11	HWP13204M11	HWP13204M112PK	12 1/2" x 20" x 4 3/8"	$54.77	$57.48	10 LB.	4 LB.
400 HW M11	HWP16204M11	HWP16204M112PK	16" x 19 7/8" x 4 3/8"	$56.09	$58.90	13 LB.	6 LB.
400 HW M11	HWP16254M11	HWP16254M112PK	16" x 24 7/8" x 4 3/8"	$62.12	$65.22	14 LB.	6 LB.
400 HW M11	HWP20204M11	HWP20204M112PK	20" x 19 7/8" x 4 3/8"	$62.86	$66.00	14 LB.	6 LB.
400 HW M11	HWP20254M11	HWP20254M112PK	20" x 24 7/8" x 4 3/8"	$63.71	$66.92	16 LB.	7 LB.

Z-LINE 400 HW Series MERV 13

Model Number	Part Number 5-Pack	Part Number 2-Pack	Actual Size W x H x D	List Price 5-Pack	List Price 2-Pack	Approx. Weight 5-Pack	Approx. Weight 2-Pack
400 HW M13	HWP13204M13	HWP13204M132PK	12 1/2" x 20" x 4 3/8"	$64.52	$67.76	10 LB.	4 LB.
400 HW M13	HWP16204M13	HWP16204M132PK	16" x 19 7/8" x 4 3/8"	$66.07	$69.36	13 LB.	6 LB.
400 HW M13	HWP16254M13	HWP16254M132PK	16" x 24 7/8" x 4 3/8"	$73.20	$76.86	14 LB.	6 LB.
400 HW M13	HWP20204M13	HWP20204M132PK	20" x 19 7/8" x 4 3/8"	$74.07	$77.79	14 LB.	6 LB.
400 HW M13	HWP20254M13	HWP20254M132PK	20" x 24 7/8" x 4 3/8"	$75.07	$78.82	16 LB.	7 LB.

Z-LINE 400 HWR Series MERV 10
> Replacement Option For The Honeywell FC40R Filter*

Model Number	Part Number 5-Pack	Part Number 2-Pack	Actual Size W x H x D	List Price 5-Pack	List Price 2-Pack	Approx. Weight 5-Pack	Approx. Weight 2-Pack
400 HWR	HWR12124	HWR121242PK	11 3/4" x 11 3/4" x 3 3/4"	$77.13	$80.97	6 LB.	3 LB.
400 HWR	HWR12244	HWR122442PK	11 3/4" x 23 3/4" x 3 3/4"	$61.34	$64.42	10 LB.	4 LB.
400 HWR	HWR14144	HWR141442PK	13 3/4" x 13 3/4" x 3 3/4"	$77.13	$80.97	8 LB.	4 LB.
400 HWR	HWR14204	HWR142042PK	13 3/4" x 19 3/4" x 3 3/4"	$77.13	$80.97	11 LB.	5 LB.
400 HWR	HWR14244	HWR142442PK	13 3/4" x 23 3/4" x 3 3/4"	$78.69	$82.62	13 LB.	6 LB.
400 HWR	HWR14254	HWR142542PK	13 3/4" x 24 3/4" x 3 3/4"	$78.69	$82.62	13 LB.	6 LB.
400 HWR	HWR14304	HWR143042PK	13 3/4" x 29 3/4" x 3 3/4"	$83.47	$87.64	15 LB.	6 LB.
400 HWR	HWR16204	HWR162042PK	15 3/4" x 19 3/4" x 3 3/4"	$77.13	$80.97	14 LB.	6 LB.
400 HWR	HWR16254	HWR162542PK	15 3/4" x 24 3/4" x 3 3/4"	$78.69	$82.62	15 LB.	6 LB.
400 HWR	HWR18184	HWR181842PK	17 3/4" x 17 3/4" x 3 3/4"	$78.69	$82.62	15 LB.	6 LB.
400 HWR	HWR18244	HWR182442PK	17 3/4" x 23 3/4" x 3 3/4"	$81.02	$85.08	17 LB.	7 LB.
400 HWR	HWR18304	HWR183042PK	17 3/4" x 29 3/4" x 3 3/4"	$83.47	$87.64	20 LB.	8 LB.
400 HWR	HWR20204	HWR202042PK	19 3/4" x 19 3/4" x 3 3/4"	$78.69	$82.62	15 LB.	6 LB.
400 HWR	HWR20244	HWR202442PK	19 3/4" x 23 3/4" x 3 3/4"	$81.02	$85.08	17 LB.	7 LB.
400 HWR	HWR20254	HWR202542PK	19 3/4" x 24 3/4" x 3 3/4"	$81.02	$85.08	17 LB.	7 LB.
400 HWR	HWR20304	HWR203042PK	29 3/4" x 19 3/4" x 3 3/4"	$83.47	$87.64	20 LB.	8 LB.
400 HWR	HWR24244	HWR242442PK	23 3/4" x 23 3/4" x 3 3/4"	$81.80	$85.87	17 LB.	7 LB.
400 HWR	HWR24304	HWR243042PK	23 3/4" x 29 3/4" x 3 3/4"	$83.47	$87.64	20 LB.	8 LB.

Z-LINE 400 HWR Series MERV 11

Model Number	Part Number 5-Pack	Part Number 2-Pack	Actual Size W x H x D	List Price 5-Pack	List Price 2-Pack	Approx. Weight 5-Pack	Approx. Weight 2-Pack
400 HWR M11	HWR12124M11	HWR12124M112PK	11 3/4" x 11 3/4" x 3 3/4"	$88.67	$93.10	7 LB.	3 LB.
400 HWR M11	HWR12244M11	HWR12244M112PK	11 3/4" x 23 3/4" x 3 3/4"	$70.54	$74.08	11 LB.	5 LB.
400 HWR M11	HWR14144M11	HWR14144M112PK	13 3/4" x 13 3/4" x 3 3/4"	$88.67	$93.10	9 LB.	4 LB.
400 HWR M11	HWR14204M11	HWR14204M112PK	13 3/4" x 19 3/4" x 3 3/4"	$88.67	$93.10	12 LB.	5 LB.
400 HWR M11	HWR14244M11	HWR14244M112PK	13 3/4" x 23 3/4" x 3 3/4"	$90.47	$94.99	14 LB.	6 LB.
400 HWR M11	HWR14254M11	HWR14254M112PK	13 3/4" x 24 3/4" x 3 3/4"	$90.47	$94.99	14 LB.	6 LB.
400 HWR M11	HWR14304M11	HWR14304M112PK	13 3/4" x 29 3/4" x 3 3/4"	$95.99	$100.80	17 LB.	7 LB.
400 HWR M11	HWR16204M11	HWR16204M112PK	15 3/4" x 19 3/4" x 3 3/4"	$88.67	$93.10	15 LB.	6 LB.
400 HWR M11	HWR16254M11	HWR16254M112PK	15 3/4" x 24 3/4" x 3 3/4"	$90.47	$94.99	16 LB.	7 LB.
400 HWR M11	HWR18184M11	HWR18184M112PK	17 3/4" x 17 3/4" x 3 3/4"	$90.47	$94.99	16 LB.	7 LB.
400 HWR M11	HWR18244M11	HWR18244M112PK	17 3/4" x 23 3/4" x 3 3/4"	$93.22	$97.86	18 LB.	8 LB.
400 HWR M11	HWR18304M11	HWR18304M112PK	17 3/4" x 29 3/4" x 3 3/4"	$95.99	$100.80	21 LB.	9 LB.
400 HWR M11	HWR20204M11	HWR20204M112PK	19 3/4" x 19 3/4" x 3 3/4"	$90.47	$94.99	16 LB.	7 LB.
400 HWR M11	HWR20244M11	HWR20244M112PK	19 3/4" x 23 3/4" x 3 3/4"	$93.22	$97.86	18 LB.	8 LB.
400 HWR M11	HWR20254M11	HWR20254M112PK	19 3/4" x 24 3/4" x 3 3/4"	$93.22	$97.86	18 LB.	8 LB.
400 HWR M11	HWR20304M11	HWR20304M112PK	29 3/4" x 19 3/4" x 3 3/4"	$95.99	$100.80	21 LB.	9 LB.
400 HWR M11	HWR24244M11	HWR24244M112PK	23 3/4" x 23 3/4" x 3 3/4"	$94.08	$98.79	18 LB.	8 LB.
400 HWR M11	HWR24304M11	HWR24304M112PK	23 3/4" x 29 3/4" x 3 3/4"	$95.99	$100.80	21 LB.	9 LB.

* Honeywell is a Registered Trademark of Honeywell Products Inc. and is used here for identification purposes only.
For MERV 13 HWR, add +25% to MERV 11 List Price and replace M11 with M13 within the part number.

Z-LINE 500 AB SERIES MERV 10

> Replacement Option For Trion Air Bear & Air Cub* & Skuttle Air Cleaners**

Model Number	Part Number	Actual Size	List Price	Carton Quantity	Approx. Weight
500 AB	ABP16255	15 3/4 x 24 1/4 x 4 7/8	$54.64	3	10 LB.
500 AB	ABP20205	19 3/4 x 20 3/4 x 4 7/8	$54.64	3	10 LB.
500 AB	ABP20255	19 3/4 x 24 1/4 x 4 7/8	$54.81	3	11 LB.
300 AB	ABP16253	15 7/8 x 24 1/4 x 2 7/8	$33.96	5	11 LB.
Z-LINE 500 ABX With Activated Carbon					
500 ABX	ABP20255AC	19 3/4 x 24 1/4 x 4 7/8	$113.97	3	14 LB.

Z-LINE 500 AB SERIES MERV 11

Model Number	Part Number	Actual Size	List Price	Carton Quantity	Approx. Weight
500 AB M11	ABP16255M11	15 3/4 x 24 1/4 x 4 7/8	$62.82	3	12 LB.
500 AB M11	ABP20205M11	19 3/4 x 20 3/4 x 4 7/8	$62.82	3	12 LB.
500 AB M11	ABP20255M11	19 3/4 x 24 1/4 x 4 7/8	$63.06	3	12 LB.
300 AB M11	ABP16253M11	15 7/8 x 24 1/4 x 2 7/8	$39.03	5	12 LB.
Z-LINE 500 ABX M11 With Activated Carbon					
500 ABX M11	ABP20255ACM11	19 3/4 x 24 1/4 x 4 7/8	$131.08	3	15 LB.

Z-LINE 500 AB SERIES MERV 13

Model Number	Part Number	Actual Size	List Price	Carton Quantity	Approx. Weight
500 AB M13	ABP16255M13	15 3/4 x 24 1/4 x 4 7/8	$74.02	3	12 LB.
500 AB M13	ABP20205M13	19 3/4 x 20 3/4 x 4 7/8	$74.02	3	12 LB.
500 AB M13	ABP20255M13	19 3/4 x 24 1/4 x 4 7/8	$74.30	3	12 LB.
300 AB M13	ABP16253M13	15 7/8 x 24 1/4 x 2 7/8	$46.01	5	12 LB.

Z-LINE 700 SG MERV 10

> Replacement Option For Aprilaire #201 Media**

Model Number	Part Number	Actual Size H x W x D	Price	Carton Quantity	Approx. Weight
700 SG	SGP20256	19 3/4 x 24 1/4 x 6"	$69.71	2	10 LB.
> Replacement Option For Aprilaire #401 Media**					
700 SG	SGP16276	15 3/8 x 27 x 6"	$80.03	2	10 LB.
Z-LINE 700 SG With Activated Carbon					
700 SGX	SGP20256AC	19 3/4 x 24 1/4 x 6"	$154.59	2	13 LB.

Z-LINE 700 SG MERV 11

Model Number	Part Number	Actual Size H x W x D	Price	Carton Quantity	Approx. Weight
700 SG M11	SGP20256M11	19 3/4 x 24 1/4 x 6"	$80.17	2	11 LB.
700 SG M11	SGP16276M11	15 3/8 x 27 x 6"	$92.02	2	11 LB.
Z-LINE 700 SG M11 With Activated Carbon					
700 SGX M11	SGP20256ACM11	19 3/4 x 24 1/4 x 6"	$177.80	2	14 LB.

Z-LINE 700 SG MERV 13

Model Number	Part Number	Actual Size H x W x D	Price	Carton Quantity	Approx. Weight
700 SG M13	SGP20256M13	19 3/4 x 24 1/4 x 6"	$94.49	2	11 LB.
700 SG M13	SGP16276M13	15 3/8 x 27 x 6"	$108.42	2	11 LB.

Z-LINE 600 GA MERV 10

> Replacement Option for Goodman & Amana Air Cleaners***

Model Number	Part Number	Actual Size H x W x D	List Price	Carton Quantity	Approx. Weight
600 GA	GAP16205	15 3/8 x 21 7/8 x 5 1/4	$60.24	2	7 LB.
600 GA	GAP16255	15 3/8 x 25 1/2 x 5 1/4	$60.85	2	8 LB.
600 GA	GAP20205	20 1/4 x 20 3/4 x 5 1/4	$60.85	2	8 LB.
600 GA	GAP20255	20 1/4 x 25 3/8 x 5 1/4	$61.02	2	9 LB.

Z-LINE 600 GA MERV 11

Model Number	Part Number	Actual Size H x W x D	List Price	Carton Quantity	Approx. Weight
600 GA M11	GAP16205M11	15 3/8 x 21 7/8 x 5 1/4	$69.23	2	8 LB.
600 GA M11	GAP16255M11	15 3/8 x 25 1/2 x 5 1/4	$69.94	2	9 LB.
600 GA M11	GAP20205M11	20 1/4 x 20 3/4 x 5 1/4	$69.94	2	9 LB.
600 GA M11	GAP20255M11	20 1/4 x 25 3/8 x 5 1/4	$70.23	2	10 LB.

Z-LINE 600 GA MERV 13

Model Number	Part Number	Actual Size H x W x D	List Price	Carton Quantity	Approx. Weight
600 GA M13	GAP16205M13	15 3/8 x 21 7/8 x 5 1/4	$81.57	2	8 LB.
600 GA M13	GAP16255M13	15 3/8 x 25 1/2 x 5 1/4	$82.42	2	9 LB.
600 GA M13	GAP20205M13	20 1/4 x 20 3/4 x 5 1/4	$82.42	2	9 LB.
600 GA M13	GAP20255M13	20 1/4 x 25 3/8 x 5 1/4	$82.75	2	10 LB.

* Air Bear and Air Cub are trademarks of Trion Inc. and used here for identification purposes only.
** Skuttle is a trademark for Skuttle Company and used here for indentification purposes only.
*** Aprilaire is a registered trademark of Research Products Inc. and used here for identification purposes only.
**** Goodman & Amana are registered trademarks of Goodman & Amana, Inc. and used here for identification purposes only.
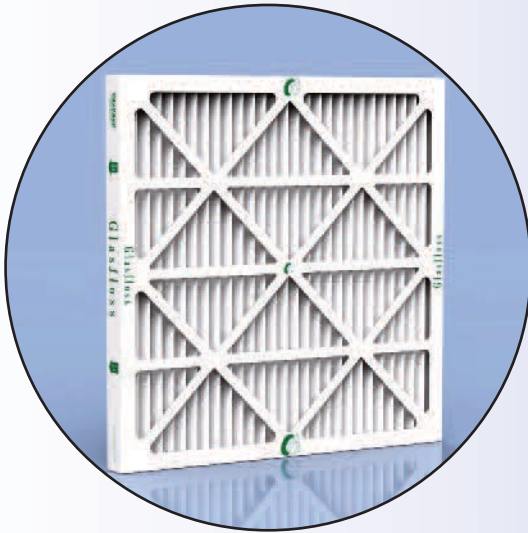
Glasfloss®

[Z-LINE® SERIES]
ZL and HV MERV 10

- MERV 10
- Heavy-Duty Moisture Resistant Construction
- Galvanized Expanded Metal Backing
- Standard Size 4" and 6" Thick
  Incorporate Media Separators

FEATURES >

The Glasfloss Z-Line® Series pleated filters offer improved performance for virtually every application. All Glasfloss Z-Line® pleated filters feature fibers which do not absorb moisture and will not support microbial growth.

The Z-Line® Series pleated filter products include:

· ZL -   Offers excellent performance and value for a wide range of applications
· HV -   Ideal in high-velocity systems where maximum square footage of media
            is necessary

Glasfloss Z-Line® Series ZL and HV air filters shall be of the extended-surface pleated-media type. The media utilized shall be made of 100% synthetic fibers. The media shall be pleated in a tapered radial configuration. A heavy duty, recycled expanded metal reinforcement shall be laminated to the air-exit 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. The pleated cartridge shall be bonded to the peripheral interior of the outer frame. A heavy-duty moisture-resistant beverage board incorporating post-consumer material shall be utilized for an encasing frame.   The frame face shall be internally laminated to the pleated cartridge apexes. Glasfloss Z-Line® Series ZL and HV filters shall be classified under U.L. std. 900 and shall be rated to withstand temperatures up to 180 degrees Fahrenheit. The Glasfloss Z-Line® Series ZL and HV filters achieve a MERV 10 rating per the ANSI/ASHRAE 52.2 Test Standard.

< **SPECIFICATIONS**

DIE CUT FRAME

DOUBLE WALL
BEVERAGE BOARD

GALVANIZED
EXPANDED METAL

SYNTHETIC
MEDIA

ZL and HV STANDARD SIZE FILTERS

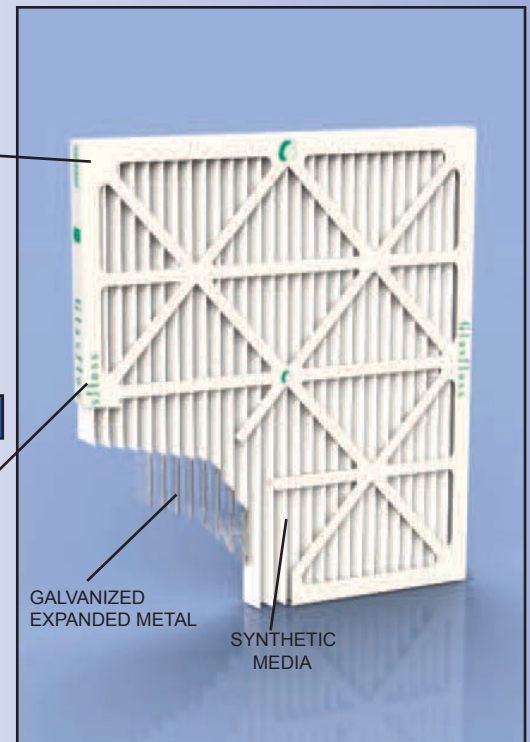| SIZE W x H x D NOMINAL	SIZE W x H x D EXACT	RATED VELOCITY FPM	INITIAL RESIST. IN. W.G.		MEDIA SQUARE FEET		SIZE W x H x D NOMINAL MM	RATED VELOCITY M/H	INITIAL RESIST. PASCALS	
			ZL	HV	ZL	HV			ZL	HV
10 x 10 x 1	9-1/2 x 9-1/2 x 7/8	300	.20	.18	1.48	1.61	254 x 254 x 26	5490	49.8	44.8
10 x 20 x 1	9-1/2 x 19-1/2 x 7/8	300	.20	.18	2.47	2.67	254 x 508 x 26	5490	49.8	44.8
10 x 24 x 1	9-1/2 x 23-1/2 x 7/8	300	.20	.18	2.97	3.22	254 x 610 x 26	5490	49.8	44.8
10 x 30 x 1	9-5/8 x 29-5/8 x 7/8	300	.20	.18	4.33	4.95	254 x 762 x 26	5490	49.8	44.8
12 x 12 x 1	11-1/2 x 11 1/2 x 7/8	300	.20	.18	1.80	2.06	305 x 305 x 26	5490	49.8	44.8
12 x 20 x 1	11-1/2 x 19-1/2 x 7/8	300	.20	.18	2.88	3.29	305 x 508 x 26	5490	49.8	44.8
12 x 24 x 1	11-3/8 x 23-3/8 x 7/8	300	.20	.18	3.46	3.96	305 x 610 x 26	5490	49.8	44.8
12 x 25 x 1	11-1/2 x 24-1/2 x 7/8	300	.20	.18	4.13	4.13	305 x 635 x 26	5490	49.8	44.8
12 x 30 x 1	11-5/8 x 29-1/2 x 7/8	300	.20	.18	4.51	5.16	305 x 762 x 26	5490	49.8	44.8
14 x 14 x 1	13-1/2 x 13-1/2 x 7/8	300	.20	.18	2.62	3.12	356 x 356 x 26	5490	49.8	44.8
14 x 20 x 1	13-1/2 x 19-1/2 x 7/8	300	.20	.18	3.29	3.91	356 x 508 x 26	5490	49.8	44.8
14 x 24 x 1	13 1/2 x 23 1/2 x 7/8	300	.20	.18	3.96	4.70	356 x 610 x 26	5490	49.8	44.8
14 x 25 x 1	13-1/2 x 24-1/2 x 7/8	300	.20	.18	4.13	4.90	356 x 635 x 26	5490	49.8	44.8
14 x 30 x 1	13 5/8 x 29 5/8 x 7/8	300	.20	.18	5.74	6.56	356 x 762 x 26	5490	49.8	44.8
15 x 20 x 1	14-1/2 x 19-1/2 x 7/8	300	.20	.18	3.70	4.11	381 x 508 x 26	5490	49.8	44.8
15 x 30-5/8 x 1	14-5/8 x 30-1/4 x 7/8	300	.20	.18	9.28	10.57	381 x 777 x 26	5490	49.8	44.8
16 x 16 x 1	15-1/2 x 15-1/2 x 7/8	300	.20	.18	3.12	3.45	406 x 406 x 26	5490	49.8	44.8
16 x 20 x 1	15-1/2 x 19-1/2 x 7/8	300	.20	.18	3.91	4.32	406 x 508 x 26	5490	49.8	44.8
16 x 24 x 1	15-1/2 x 23-1/2 x 7/8	300	.20	.18	4.70	5.20	406 x 610 x 26	5490	49.8	44.8
16 x 25 x 1	15-1/2 x 24-1/2 x 7/8	300	.20	.18	4.90	5.41	406 x 635 x 26	5490	49.8	44.8
16 x 30 x 1	15-5/8 x 29-5/8 x 7/8	300	.20	.18	5.83	6.67	406 x 762 x 26	5490	49.8	44.8
18 x 18 x 1	17-1/2 x 17-1/2 x 7/8	300	.20	.18	3.88	4.44	457 x 457 x 26	5490	49.8	44.8
18 x 20 x 1	17-1/2 x 19-1/2 x 7/8	300	.20	.18	4.32	4.94	457 x 508 x 26	5490	49.8	44.8
18 x 24 x 1	17-1/2 x 23-1/2 x 7/8	300	.20	.18	5.20	5.94	457 x 610 x 26	5490	49.8	44.8
18 x 25 x 1	17-1/2 x 24-1/2 x 7/8	300	.20	.18	5.41	6.19	457 x 635 x 26	5490	49.8	44.8
18 x 30 x 1	17-5/8 x 29-5/8 x 7/8	300	.20	.18	7.20	8.23	457 x 762 x 26	5490	49.8	44.8
20 x 20 x 1	19-1/2 x 19-1/2 x 7/8	300	.20	.18	4.73	5.55	508 x 508 x 26	5490	49.8	44.8
20 x 22 x 1	19-1/2 x 21-7/8 x 7/8	300	.20	.18	5.24	6.15	508 x 558 x 26	5490	49.8	44.8
20 x 24 x 1	19-3/8 x 23-3/8 x 7/8	300	.20	.18	5.69	6.68	508 x 610 x 26	5490	49.8	44.8
20 x 25 x 1	19-1/2 x 24-1/2 x 7/8	300	.20	.18	5.93	6.96	508 x 635 x 26	5490	49.8	44.8
20 x 30 x 1	19-5/8 x 29-5/8 x 7/8	300	.20	.18	7.20	8.23	508 x 762 x 26	5490	49.8	44.8
22 x 22 x 1	21-1/2 x 21-1/2 x 7/8	300	.20	.18	6.43	7.17	558 x 558 x 26	5490	49.8	44.8
24 x 24 x 1	23-3/8 x 23-3/8 x 7/8	300	.20	.18	6.93	7.92	610 x 610 x 26	5490	49.8	44.8
24 x 30 x 1	23-5/8 x 29-5/8 x 7/8	300	.20	.18	8.66	9.90	610 x 762 x 26	5490	49.8	44.8
25 x 25 x 1	24-1/2 x 24-1/2 x 7/8	300	.20	.18	7.48	8.51	635 x 635 x 26	5490	49.8	44.8
10 x 20 x 2	9-1/2 x 19-1/2 x 1-3/4	500	.29	.27	3.84	6.24	254 x 508 x 51	9150	72.2	67.2
12 x 12 x 2	11-1/2 x 11-1/2 x 1-3/4	500	.29	.27	2.89	4.33	305 x 305 x 51	9150	72.2	67.2
12 x 20 x 2	11-1/2 x 19-1/2 x 1-3/4	500	.29	.27	4.80	7.20	305 x 508 x 51	9150	72.2	67.2
12 x 24 x 2	11-3/8 x 23-3/8 x 1-3/4	500	.29	.27	5.77	8.66	305 x 610 x 51	9150	72.2	67.2
14 x 20 x 2	13-1/2 x 19-1/2 x 1-3/4	500	.29	.27	5.76	8.64	356 x 508 x 51	9150	72.2	67.2
14 x 25 x 2	13-1/2 x 24-1/2 x 1-3/4	500	.29	.27	7.22	10.83	356 x 635 x 51	9150	72.2	67.2
15 x 20 x 2	14-1/2 x 19-1/2 x 1-3/4	500	.29	.27	6.24	9.12	381 x 508 x 51	9150	72.2	67.2
16 x 16 x 2	15-1/2 x 15-1/2 x 1-3/4	500	.29	.27	4.98	7.66	406 x 406 x 51	9150	72.2	67.2
16 x 20 x 2	15-1/2 x 19-1/2 x 1-3/4	500	.29	.27	6.24	9.60	406 x 508 x 51	9150	72.2	67.2
16 x 24 x 2	15-1/2 x 23-1/2 x 1-3/4	500	.29	.27	7.50	11.55	406 x 610 x 51	9150	72.2	67.2
16 x 25 x 2	15-1/2 x 24-1/2 x 1-3/4	500	.29	.27	7.82	12.03	406 x 635 x 51	9150	72.2	67.2
18 x 18 x 2	17-1/2 x 17-1/2 x 1-3/4	500	.29	.27	6.47	9.92	457 x 457 x 51	9150	72.2	67.2
18 x 20 x 2	17-1/2 x 19-1/2 x 1-3/4	500	.29	.27	7.20	11.04	457 x 508 x 51	9150	72.2	67.2
18 x 24 x 2	17-1/2 x 23-1/2 x 1-3/4	500	.29	.27	8.66	13.28	457 x 610 x 51	9150	72.2	67.2
18 x 25 x 2	17-1/2 x 24-1/2 x 1-3/4	500	.29	.27	9.02	13.84	457 x 635 x 51	9150	72.2	67.2
20 x 20 x 2	19-1/2 x 19-1/2 x 1-3/4	500	.29	.27	8.16	12.00	508 x 508 x 51	9150	72.2	67.2
20 x 24 x 2	19-3/8 x 23-3/8 x 1-3/4	500	.29	.27	9.81	14.43	508 x 610 x 51	9150	72.2	67.2
20 x 25 x 2	19-1/2 x 24-1/2 x 1-3/4	500	.29	.27	10.23	15.04	508 x 635 x 51	9150	72.2	67.2
20 x 30 x 2	19-5/8 x 29-5/8 x 1-3/4	500	.29	.27	12.00	18.24	508 x 762 x 51	9150	72.2	67.2
24 x 24 x 2	23-3/8 x 23-3/8 x 1-3/4	500	.29	.27	11.55	17.61	610 x 610 x 51	9150	72.2	67.2
25 x 25 x 2	24-1/2 x 24-1/2 x 1-3/4	500	.29	.27	12.63	18.65	635 x 635 x 51	9150	72.2	67.2

Tolerances shall be +/- 1/8" for height, width and +/- 1/16" for depth. Recommended final resistance is 1.00" w.g.
All special sizes will be undersized by 1/8" unless specified otherwise.

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	
			ZL	HV	ZL	HV			ZL	HV
12 x 24 x 4	11-3/8 x 23-3/8 x 3-3/4	500	.24	.22	11.13	13.61	457 x 610 x 102	9150	59.7	54.7
16 x 20 x 4	15-1/2 x 19-1/2 x 3-3/4	500	.24	.22	12.34	15.43	406 x 508 x 102	9150	59.7	54.7
16 x 24 x 4	15-1/2 x 23-1/2 x 3-3/4	500	.24	-	14.84	-	406 x 610 x 102	9150	59.7	-
16 x 25 x 4	15-1/2 x 24-1/2 x 3-3/4	500	.24	.22	15.47	19.34	406 x 635 x 102	9150	59.7	54.7
18 x 24 x 4	17-1/2 x 23-1/2 x 3-3/4	500	.24	.22	17.32	21.03	457 x 610 x 102	9150	59.7	54.7
20 x 20 x 4	19-1/2 x 19-1/2 x 3-3/4	500	.24	.22	15.43	18.52	508 x 508 x 102	9150	59.7	54.7
20 x 24 x 4	19-3/8 x 23-3/8 x 3-3/4	500	.24	.22	18.55	22.27	508 x 610 x 102	9150	59.7	54.7
20 x 25 x 4	19-1/2 x 24-1/2 x 3-3/4	500	.24	.22	19.34	23.20	508 x 635 x 102	9150	59.7	54.7
24 x 24 x 4	23-3/8 x 23-3/8 x 3-3/4	500	.24	.22	22.27	27.21	610 x 610 x 102	9150	59.7	54.7
12 x 24 x 6	11-3/8 x 23-3/8 x 5-3/4	500	-	.18	-	20.86	305 x 610 x 152	9150	-	44.8
16 x 20 x 6	15-1/2 x 19-1/2 x 5-3/4	500	-	.18	-	23.66	406 x 508 x 152	9150	-	44.8
16 x 25 x 6	15-1/2 x 24-1/2 x 5-3/4	500	-	.18	-	29.65	406 x 635 x 152	9150	-	44.8
18 x 24 x 6	17-1/2 x 23-1/2 x 5-3/4	500	-	.18	-	32.24	457 x 610 x 152	9150	-	44.8
20 x 20 x 6	19-1/2 x 19-1/2 x 5-3/4	500	-	.18	-	28.39	508 x 508 x 152	9150	-	44.8
20 x 24 x 6	19-3/8 x 23-3/8 x 5-3/4	500	-	.18	-	34.14	508 x 610 x 152	9150	-	44.8
20 x 25 x 6	19-1/2 x 24-1/2 x 5-3/4	500	-	.18	-	35.58	508 x 635 x 152	9150	-	44.8
24 x 24 x 6	23-3/8 x 23-3/8 x 5-3/4	500	-	.18	-	41.73	610 x 610 x 152	9150	-	44.8

Tolerances shall be +/- 1/8" for height, width and +/- 1/16" for depth. Recommended final resistance is 1.00" w.g.
All special sizes will be undersized by 1/8" unless specified otherwise.

Pleats Per Lineal Foot

DEPTH	ZL	HV
1"	14	16
2"	10	15
4"	9	11
6"	-	11

Media Area to Face Area Ratio

DEPTH	ZL	HV
1"	1.73	1.97
2"	2.88	4.40
4"	5.56	6.80
6"	-	10.43

MINIMUM PARTICLE SIZE EFFICIENCY
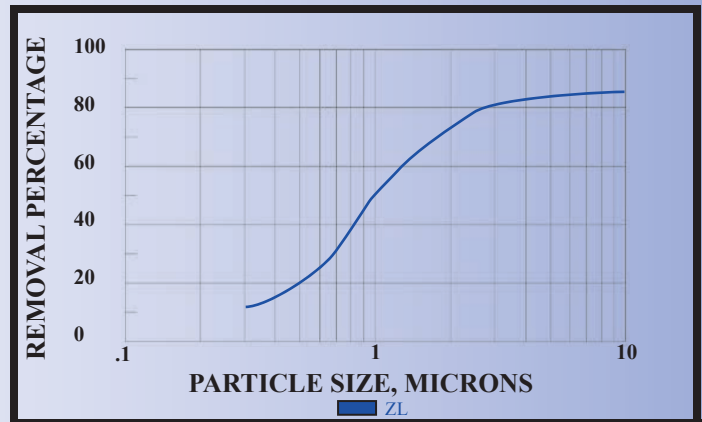
Test Filter Size 24" x 24" x 2" Nominal

REMOVAL PERCENTAGE vs PARTICLE SIZE, MICRONS — ZL

STANDARD PRESSURE DROP

Test Filter Size 24" x 24" x 1" Nominal

STANDARD PRESSURE DROP

Test Filter Size 24" x 24" x 2" Nominal

Glasfloss Industries incorporates color-coded carton labels on standard sizes to help identify the product, which enhance warehouse operations and shipments.

12 PIECES
ZL Pleat
MERV 10 Standard Capacity
16 x 20 x 1
Part # ZLP16201

Glasfloss manufactures a variety of medium and high efficiency air filters which can be specified for LEED certification applications. For specific information on these products, please contact your local Glasfloss Sales Representative.

NAFA
National Air
Filtration
Association

U.S. GREEN BUILDING COUNCIL
L E E D
USGBC

HARDI
HEATING, AIRCONDITIONING & REFRIGERATION DISTRIBUTORS INTERNATIONAL

MADE IN
U. S. A.

UL

Glasfloss® Industries
Excellence in Air Filtration Since 1936
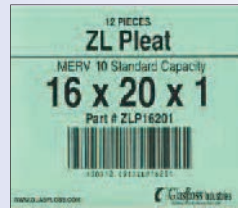
The Z-Line Series "ZL"

PART NUMBER	1 " STANDARD SIZES	LIST PRICE	CARTON QUANTITY	CARTON WEIGHT
ZLP10101	10x10x1	$6.40	12	4 LB.
ZLP10201	10x20x1	$6.76	12	6 LB.
ZLP10241	10x24x1	$13.29	12	6 LB.
ZLP10301	10x30x1	$13.64	12	7 LB.
ZLP12121	12x12x1	$8.20	12	5 LB.
ZLP12201	12x20x1	$6.94	12	7 LB.
ZLP12241	12x24x1	$6.76	12	6 LB.
ZLP12251	12x25x1	$7.22	12	6 LB.
ZLP12301	12x30x1	$13.64	12	7 LB.
ZLP14141	14x14x1	$9.74	12	6 LB.
ZLP14201	14x20x1	$6.94	12	6 LB.
ZLP14241	14x24x1	$11.65	12	7 LB.
ZLP14251	14x25x1	$7.53	12	7 LB.
ZLP14301	14x30x1	$14.72	12	7 LB.
ZLP15201	15x20x1	$7.02	12	6 LB.
ZLP1530K1	15x30 5/8x1	$14.72	12	9 LB.
ZLP16161	16x16x1	$9.79	12	6 LB.
ZLP16201	16x20x1	$6.69	12	6 LB.
ZLP16241	16x24x1	$9.53	12	8 LB.
ZLP16251	16x25x1	$7.36	12	8 LB.
ZLP16301	16x30x1	$14.72	12	9 LB.
ZLP18181	18x18x1	$13.64	12	8 LB.
ZLP18201	18x20x1	$9.50	12	8 LB.
ZLP18241	18x24x1	$9.12	12	8 LB.
ZLP18251	18x25x1	$8.88	12	11 LB.
ZLP18301	18x30x1	$16.28	12	11 LB.
ZLP20201	20x20x1	$7.42	12	7 LB.
ZLP20221	20x22x1	$13.64	12	8 LB.
ZLP20241	20x24x1	$8.69	12	9 LB.
ZLP20251	20x25x1	$8.49	12	9 LB.
ZLP20301	20x30x1	$11.06	12	10 LB.
ZLP22221	22x22x1	$15.20	12	8 LB.
ZLP24241	24x24x1	$9.61	12	10 LB.
ZLP24301	24x30x1	$17.96	12	14 LB.
ZLP25251	25x25x1	$10.78	12	14 LB.

PART NUMBER	2 " STANDARD SIZES	LIST PRICE	CARTON QUANTITY	CARTON WEIGHT
ZLP10202	10x20x2	$7.02	12	9 LB.
ZLP12122	12x12x2	$9.40	12	8 LB.
ZLP12202	12x20x2	$7.49	12	10 LB.
ZLP12242	12x24x2	$7.22	12	9 LB.
ZLP14202	14x20x2	$7.69	12	9 LB.
ZLP14252	14x25x2	$8.49	12	11 LB.
ZLP15202	15x20x2	$7.69	12	9 LB.
ZLP16162	16x16x2	$9.85	12	10 LB.
ZLP16202	16x20x2	$7.24	12	10 LB.
ZLP16242	16x24x2	$9.72	12	11 LB.
ZLP16252	16x25x2	$8.25	12	11 LB.
ZLP18182	18x18x2	$14.55	12	11 LB.
ZLP18202	18x20x2	$9.78	12	11 LB.
ZLP18242	18x24x2	$9.50	12	12 LB.
ZLP18252	18x25x2	$10.25	12	16 LB.
ZLP20202	20x20x2	$8.39	12	12 LB.
ZLP20242	20x24x2	$9.85	12	14 LB.
ZLP20252	20x25x2	$9.58	12	14 LB.
ZLP20302	20x30x2	$17.89	12	15 LB.
ZLP24242	24x24x2	$10.70	12	16 LB.
ZLP25252	25x25x2	$12.93	12	20 LB.

PART NUMBER	4 " STANDARD SIZES	LIST PRICE	CARTON QUANTITY	CARTON WEIGHT
ZLP12244	12x24x4	$11.32	6	8 LB.
ZLP16204	16x20x4	$12.15	6	9 LB.
ZLP16244	16x24x4	$15.83	6	11 LB.
ZLP16254	16x25x4	$13.06	6	11 LB.
ZLP18244	18x24x4	$15.07	6	11 LB.
ZLP20204	20x20x4	$12.99	6	11 LB.
ZLP20244	20x24x4	$15.00	6	13 LB.
ZLP20254	20x25x4	$14.92	6	13 LB.
ZLP24244	24x24x4	$17.07	6	14 LB.
	Semi-Std.			
	Sizes			
ZLP25294	25x29x4	$22.05	6	11 LB.
ZLP28304	28x30x4	$28.84	6	22 LB.

The Z-Line Series

MADE-TO-ORDER SIZES

ZL 1"

Gross Area Square Inches	Part Number	List Price
Less than 150"	ZLPSP1A	$10.87
150-199"	ZLPSP1B	$12.86
200-249"	ZLPSP1C	$14.44
250-299"	ZLPSP1D	$15.93
300-399"	ZLPSP1E	$17.92
400-499"	ZLPSP1F	$19.96
500-599"	ZLPSP1G	$21.42
600-699"	ZLPSP1H	$23.07
700-799"	ZLPSP1I	$24.38
800-899"	ZLPSP1J	$26.81
900-999"	ZLPSP1K	$29.46

ZL 2"

Gross Area Square Inches	Part Number	List Price
Less than 150"	ZLPSP2A	$12.66
150-199"	ZLPSP2B	$14.07
200-249"	ZLPSP2C	$15.82
250-299"	ZLPSP2D	$17.43
300-399"	ZLPSP2E	$19.62
400-499"	ZLPSP2F	$21.82
500-599"	ZLPSP2G	$23.44
600-699"	ZLPSP2H	$25.21
700-799"	ZLPSP2I	$26.66
800-899"	ZLPSP2J	$29.34
900-999"	ZLPSP2K	$32.29

ZL 4"

Gross Area Square Inches	Part Number	List Price
Less than 150"	ZLPSP4A	$25.24
150-199"	ZLPSP4B	$28.51
200-249"	ZLPSP4C	$31.81
250-299"	ZLPSP4D	$35.06
300-399"	ZLPSP4E	$39.52
400-499"	ZLPSP4F	$43.86
500-599"	ZLPSP4G	$47.13
600-699"	ZLPSP4H	$50.40
700-799"	ZLPSP4I	$54.44
800-899"	ZLPSP4J	$62.33
900-999"	ZLPSP4K	$68.55

* MINIMUM:

12 Per size; Less than 12 per size add +40% to each filter.
Made to order filters are bulk packed.
* The minimum dimensions of a special size is 4" x 4".

* DOUBLE SIZE: Z-Line "ZL" pleated filters
If both dimensions are larger that 28", or if either dimension is larger than 35", it is considered a double size filter. To figure the price on a double size ZL, calculate 1/2 of the square inches for the desired size and then double the list price. The maximum length dimension is 96".

* OPTIONS: For higher efficiency media use the following to calculate list price

a) **65% Filters: take list price x 2.75 for standard or special sizes.**
b) **85% Filters: take list price x 4.35 for standard or special sizes.**
c) **95% Filters: take list price x 4.75 for standard or special sizes.**

* DOUBLE SIZE: Z-Line Optional 65%, 85% & 95% pleated filters.
Optional Made to Order 65%, 85% & 95% filters are if both dimensions are larger than 24 3/4", or if either dimension is larger than 35" it is considered a double size filter. To figure the price on a double size size optional efficiency, calculate 1/2 of the square inches for the desired size and double the list price.

ZPM INSERTS

Standard Size Pleated Media Inserts

Part Number	Size WxHxD	LIST PRICE	Ctn Qty.
ZPM12241	12x24x1	$4.46	50
ZPM14201	14x20x1	$4.75	50
ZPM14251	14x25x1	$5.01	50
ZPM15201	15x20x1	$4.75	50
ZPM16201	16x20x1	$4.75	50
ZPM16251	16x25x1	$5.41	50
ZPM18241	18x24x1	$5.71	50
ZPM20201	20x20x1	$5.41	50
ZPM20241	20x24x1	$5.94	50
ZPM20251	20x25x1	$6.19	50
ZPM30201	30x20x1	$7.38	50
ZPM24241	24x24x1	$6.87	50

Part Number	Size WxHxD	LIST PRICE	Ctn Qty.
ZPM12242	12x24x2	$5.94	50
ZPM14202	14x20x2	$6.25	50
ZPM14252	14x25x2	$6.56	50
ZPM15202	15x20x2	$6.25	50
ZPM16202	16x20x2	$6.40	50
ZPM16242	16x24x2	$7.71	50
ZPM16252	16x25x2	$7.37	50
ZPM18242	18x24x2	$7.84	50
ZPM20202	20x20x2	$7.47	50
ZPM20242	20x24x2	$8.46	50
ZPM20252	20x25x2	$8.70	50
ZPM24242	24x24x2	$9.72	50

Part Number	Size WxHxD	LIST PRICE	Ctn Qty.
ZPM12244	12x24x4	$7.71	50
ZPM16204	16x20x4	$8.46	50
ZPM16254	16x25x4	$9.91	50
ZPM18244	18x24x4	$10.55	50
ZPM20204	20x20x4	$10.03	50
ZPM20244	20x24x4	$11.52	50
ZPM20254	20x25x4	$11.80	50
ZPM24244	24x24x4	$13.33	50

Reversed Dimension ZPM Inserts

Part Number	Size WxHxD	LIST PRICE	Ctn Qty.
ZPM24121	24x12x1	$4.46	50
ZPM20141	20x14x1	$4.75	50
ZPM25141	25x14x1	$5.01	50
ZPM20161	20x16x1	$4.75	50
ZPM25161	25x16x1	$5.41	50
ZPM24181	24x18x1	$5.71	50
ZPM24201	24x20x1	$5.94	50
ZPM25201	25x20x1	$6.19	50

Part Number	Size WxHxD	LIST PRICE	Ctn Qty.
ZPM24122	24x12x2	$5.94	50
ZPM20142	20x14x2	$6.25	50
ZPM25142	25x14x2	$6.56	50
ZPM20162	20x16x2	$6.40	50
ZPM24162	24x16x2	$7.71	50
ZPM25162	25x16x2	$7.37	50
ZPM24182	24x18x2	$7.84	50
ZPM24202	24x20x2	$8.46	50
ZPM25202	25x20x2	$8.70	50

Part Number	Size WxHxD	LIST PRICE	Ctn Qty.
ZPM24124	24x12x4	$7.71	50
ZPM20164	20x16x4	$8.46	50
ZPM25164	25x16x4	$9.91	50
ZPM24184	24x18x4	$10.55	50
ZPM24204	24x20x4	$11.52	50
ZPM25204	25x20x4	$11.80	50

Glasfloss® Industries
Excellence in Air Filtration Since 1936

The Z-Line Series "HV"

PART #	1" STANDARD SIZES	LIST PRICE	CTN QTY	CTN WT
HVP10101	10x10x1	$8.49	12	5 LB.
HVP10201	10x20x1	$8.94	12	7 LB.
HVP10241	10x24x1	$15.27	12	8 LB.
HVP10301	10x30x1	$15.61	12	8 LB.
HVP12121	12x12x1	$10.84	12	5 LB.
HVP12201	12x20x1	$9.17	12	8 LB.
HVP12241	12x24x1	$9.41	12	7 LB.
HVP12251	12x25x1	$10.07	12	7 LB.
HVP12301	12x30x1	$15.61	12	8 LB.
HVP14141	14x14x1	$11.20	12	6 LB.
HVP14201	14x20x1	$9.57	12	7 LB.
HVP14241	14x24x1	$15.96	12	8 LB.
HVP14251	14x25x1	$10.30	12	8 LB.
HVP14301	14x30x1	$16.87	12	8 LB.
HVP15201	15x20x1	$9.50	12	7 LB.
HVP1530K1	15x30 5/8x1	$16.87	12	9 LB.
HVP16161	16x16x1	$13.85	12	7 LB.
HVP16201	16x20x1	$9.12	12	7 LB.
HVP16241	16x24x1	$13.45	12	8 LB.
HVP16251	16x25x1	$10.13	12	8 LB.
HVP16301	16x30x1	$16.87	12	9 LB.
HVP18181	18x18x1	$15.61	12	7 LB.
HVP18201	18x20x1	$14.28	12	11 LB.
HVP18241	18x24x1	$11.74	12	9 LB.
HVP18251	18x25x1	$11.73	12	12 LB.
HVP18301	18x30x1	$18.63	12	9 LB.
HVP20201	20x20x1	$10.25	12	8 LB.
HVP20221	20x22x1	$15.61	12	8 LB.
HVP20241	20x24x1	$11.65	12	9 LB.
HVP20251	20x25x1	$11.40	12	9 LB.
HVP20301	20x30x1	$15.36	12	10 LB.
HVP22221	22x22x1	$17.37	12	8 LB.
HVP24241	24x24x1	$13.31	12	11 LB.
HVP24301	24x30x1	$20.59	12	15 LB.
HVP25251	25x25x1	$14.30	12	15 LB.

PART #	2" STANDARD SIZES	LIST PRICE	CTN QTY	CTN WT
HVP10202	10x20x2	$10.62	12	10 LB.
HVP12122	12x12x2	$11.08	12	9 LB.
HVP12202	12x20x2	$11.25	12	11 LB.
HVP12242	12x24x2	$10.59	12	10 LB.
HVP14202	14x20x2	$10.78	12	10 LB.
HVP14252	14x25x2	$11.80	12	13 LB.
HVP15202	15x20x2	$11.16	12	11 LB.
HVP16162	16x16x2	$14.35	12	12 LB.
HVP16202	16x20x2	$10.71	12	12 LB.
HVP16242	16x24x2	$13.73	12	14 LB.
HVP16252	16x25x2	$12.36	12	14 LB.
HVP18182	18x18x2	$17.84	12	12 LB.
HVP18202	18x20x2	$14.71	12	15 LB.
HVP18242	18x24x2	$14.28	12	15 LB.
HVP18252	18x25x2	$15.35	12	17 LB.
HVP20202	20x20x2	$12.66	12	13 LB.
HVP20242	20x24x2	$14.84	12	17 LB.
HVP20252	20x25x2	$14.58	12	17 LB.
HVP20302	20x30x2	$21.90	12	18 LB.
HVP24242	24x24x2	$16.50	12	19 LB.
HVP25252	25x25x2	$19.40	12	21 LB.

PART #	4" STANDARD SIZES	LIST PRICE	CTN QTY	CTN WT
HVP12244	12x24x4	$18.41	6	9 LB.
HVP16204	16x20x4	$18.39	6	10 LB.
HVP16254	16x25x4	$21.43	6	12 LB.
HVP18244	18x24x4	$23.48	6	13 LB.
HVP20204	20x20x4	$21.94	6	11 LB.
HVP20244	20x24x4	$24.80	6	14 LB.
HVP20254	20x25x4	$24.42	6	13 LB.
HVP24244	24x24x4	$27.78	6	16 LB.
Semi-Std. Sizes				
HVP25294	25x29x4 (24 1/2x28 1/2)	$33.80	6	12 LB.
HVP28304	28x30x4	$44.28	6	23 LB.

Peripheral header available on: 12x24x4 & 24x24x4;
placed on the air entering side
Add +35% to List Price. Add "HDR" to the end of
Part Number; minimum of 12 per size.

PART #	6" STANDARD SIZES	LIST PRICE	CTN QTY	CTN WT
HVP12246	12x24x6	$25.41	4	16 LB.
HVP16206	16x20x6	$25.41	4	7 LB.
HVP16256	16x25x6	$29.58	4	8 LB.
HVP18246	18x24x6	$32.41	4	8 LB.
HVP20206	20x20x6	$30.28	4	7 LB.
HVP20246	20x24x6	$34.21	4	10 LB.
HVP20256	20x25x6	$33.71	4	10 LB.
HVP24246	24x24x6	$38.34	4	11 LB.

The Z-Line Series
MADE-TO-ORDER SIZES

HV 1"

Gross Area Square Inches	Part Number	List Price
Less than 150"	HVPSP1A	$12.47
150-199"	HVPSP1B	$14.71
200-249"	HVPSP1C	$16.58
250-299"	HVPSP1D	$18.29
300-399"	HVPSP1E	$20.57
400-499"	HVPSP1F	$22.84
500-599"	HVPSP1G	$24.50
600-699"	HVPSP1H	$26.37
700-799"	HVPSP1I	$27.91
800-899"	HVPSP1J	$30.69
900-999"	HVPSP1K	$33.74

HV 2"

Gross Area Square Inches	Part Number	List Price
Less than 150"	HVPSP2A	$14.96
150-199"	HVPSP2B	$17.21
200-249"	HVPSP2C	$19.41
250-299"	HVPSP2D	$21.37
300-399"	HVPSP2E	$24.07
400-499"	HVPSP2F	$26.76
500-599"	HVPSP2G	$28.70
600-699"	HVPSP2H	$30.83
700-799"	HVPSP2I	$32.62
800-899"	HVPSP2J	$35.91
900-999"	HVPSP2K	$39.47

HV 4"

Gross Area Square Inches	Part Number	List Price
Less than 150"	HVPSP4A	$29.22
150-199"	HVPSP4B	$33.02
200-249"	HVPSP4C	$36.80
250-299"	HVPSP4D	$40.58
300-399"	HVPSP4E	$45.78
400-499"	HVPSP4F	$50.84
500-599"	HVPSP4G	$54.55
600-699"	HVPSP4H	$58.34
700-799"	HVPSP4I	$62.45
800-899"	HVPSP4J	$68.71
900-999"	HVPSP4K	$75.62

MINIMUM:
12 Per size; Less than 12 per size add +40% to each filter.
Made to order filters are bulk packed.
*The minimum size of special size HV pleats is 4" x 4".

DOUBLE SIZE:
If both dimensions are larger than 28", or if either dimension is larger than 35" it is considered a double size filter. To figure the price on a double size HV, calculate 1/2 of the square inches for the desired size and then double the list price. The maximum length dimension is 96".

6" Special-Size HV Pleats: add 55% to the 4" list price.
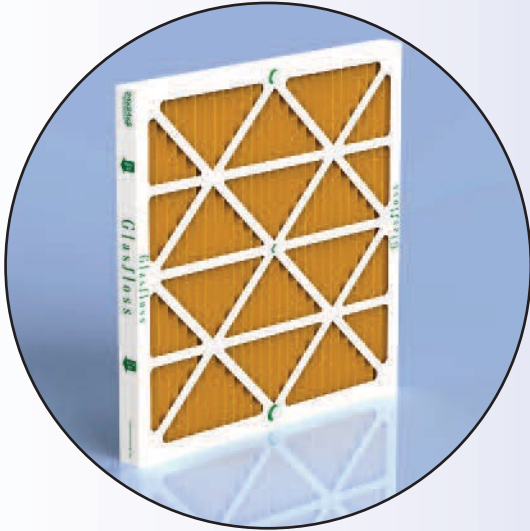
[Z-LINE® SERIES]
MR-11

- MR-11: MERV 11
- Heavy-Duty Moisture Resistant Construction
- Galvanized Expanded Metal Backing
- Standard Size 4" and 6" Thick
  Incorporate Media Separators
- Geothermal Unit Replacement Filters

FEATURES >

The Glasfloss Z-Line® Series MR-11 pleated filters offer improved performance for virtually every application. All Glasfloss Z-Line® MR-11 pleated filters feature fibers which do not absorb moisture and will not support microbial growth. Z-Line® Series MR-11 pleated filters provide high performance with low pressure drop for energy efficiency

Glasfloss Z-Line® Series MR-11 air filters shall be of the extended-surface pleated-media type. The media utilized shall be made of 100% synthetic fibers. The media shall be pleated in a tapered radial configuration. A heavy duty, recycled expanded metal reinforcement shall be laminated to the air-exit 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. The pleated cartridge shall be bonded to the peripheral interior of the outer frame. A heavy-duty moisture-resistant beverage board incorporating post-consumer material shall be utilized for an encasing frame. The frame face shall be internally laminated to the pleated cartridge apexes. Glasfloss Z-Line® Series MR-11 filters shall be classified under U.L. std. 900 and shall be rated to withstand temperatures up to 180 degrees Fahrenheit. The Glasfloss Z-Line® Series MR-11 filters achieve a MERV 11 rating per the ANSI/ASHRAE 52.2 Test Standard.

< SPECIFICATIONS

DIE CUT FRAME

DOUBLE WALL
BEVERAGE BOARD

GALVANIZED
EXPANDED METAL

SYNTHETIC
MEDIA

MR-11 STANDARD SIZE FILTERS

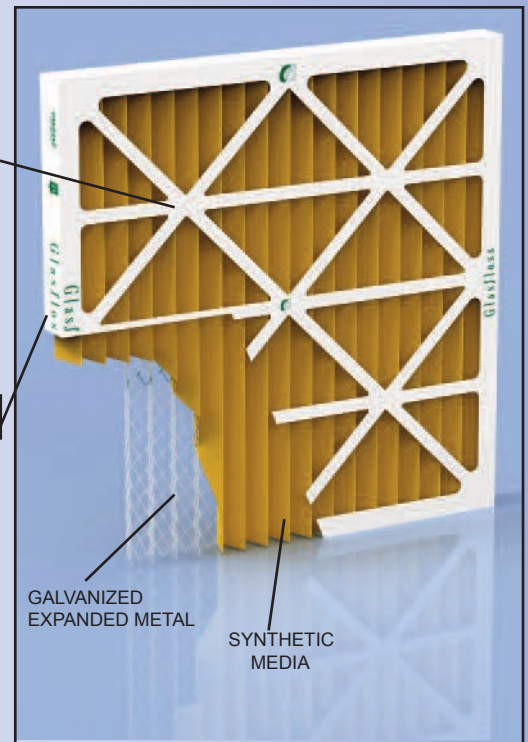| SIZE W x H x D NOMINAL	SIZE W x H x D EXACT	RATED VELOCITY FPM	INITIAL RESIST. IN. W.G.	MEDIA SQUARE FEET	SIZE W x H x D NOMINAL MM	RATED VELOCITY M/H	INITIAL RESIST. PASCALS
10 x 10 x 1	9-1/2 x 9-1/2 x 7/8	300	.24	1.61	254 x 254 x 26	5490	59.7
10 x 20 x 1	9-1/2 x 19-1/2 x 7/8	300	.24	2.67	254 x 508 x 26	5490	59.7
10 x 24 x 1	9-1/2 x 23-1/2 x 7/8	300	.24	3.22	254 x 610 x 26	5490	59.7
10 x 30 x 1	9-5/8 x 29-5/8 x 7/8	300	.24	4.95	254 x 762 x 26	5490	59.7
12 x 12 x 1	11-1/2 x 11 1/2 x 7/8	300	.24	2.06	305 x 305 x 26	5490	59.7
12 x 20 x 1	11-1/2 x 19-1/2 x 7/8	300	.24	3.29	305 x 508 x 26	5490	59.7
12 x 24 x 1	11-3/8 x 23-3/8 x 7/8	300	.24	3.96	305 x 610 x 26	5490	59.7
12 x 25 x 1	11-1/2 x 24-1/2 x 7/8	300	.24	4.13	305 x 635 x 26	5490	59.7
12 x 30 x 1	11-5/8 x 29-1/2 x 7/8	300	.24	5.16	305 x 762 x 26	5490	59.7
14 x 14 x 1	13-1/2 x 13-1/2 x 7/8	300	.24	3.12	356 x 356 x 26	5490	59.7
14 x 20 x 1	13-1/2 x 19-1/2 x 7/8	300	.24	3.91	356 x 508 x 26	5490	59.7
14 x 24 x 1	13 1/2 x 23 1/2 x 7/8	300	.24	4.70	356 x 610 x 26	5490	59.7
14 x 25 x 1	13-1/2 x 24-1/2 x 7/8	300	.24	4.90	356 x 635 x 26	5490	59.7
14 x 30 x 1	13 5/8 x 29 5/8 x 7/8	300	.24	6.56	356 x 762 x 26	5490	59.7
15 x 20 x 1	14-1/2 x 19-1/2 x 7/8	300	.24	4.11	381 x 508 x 26	5490	59.7
15 x 30-5/8 x 1	14-5/8 x 30-1/4 x 7/8	300	.24	10.57	381 x 777 x 26	5490	59.7
16 x 16 x 1	15-1/2 x 15-1/2 x 7/8	300	.24	3.45	406 x 406 x 26	5490	59.7
16 x 20 x 1	15-1/2 x 19-1/2 x 7/8	300	.24	4.32	406 x 508 x 26	5490	59.7
16 x 24 x 1	15-1/2 x 23-1/2 x 7/8	300	.24	5.20	406 x 610 x 26	5490	59.7
16 x 25 x 1	15-1/2 x 24-1/2 x 7/8	300	.24	5.41	406 x 635 x 26	5490	59.7
16 x 30 x 1	15-5/8 x 29-5/8 x 7/8	300	.24	6.67	406 x 762 x 26	5490	59.7
18 x 18 x 1	17-1/2 x 17-1/2 x 7/8	300	.24	4.44	457 x 457 x 26	5490	59.7
18 x 20 x 1	17-1/2 x 19-1/2 x 7/8	300	.24	4.94	457 x 508 x 26	5490	59.7
18 x 24 x 1	17-1/2 x 23-1/2 x 7/8	300	.24	5.94	457 x 610 x 26	5490	59.7
18 x 25 x 1	17-1/2 x 24-1/2 x 7/8	300	.24	6.19	457 x 635 x 26	5490	59.7
18 x 30 x 1	17-5/8 x 29-5/8 x 7/8	300	.24	8.23	457 x 762 x 26	5490	59.7
20 x 20 x 1	19-1/2 x 19-1/2 x 7/8	300	.24	5.55	508 x 508 x 26	5490	59.7
20 x 22 x 1	19-1/2 x 21-7/8 x 7/8	300	.24	6.15	508 x 558 x 26	5490	59.7
20 x 24 x 1	19-3/8 x 23-3/8 x 7/8	300	.24	6.68	508 x 610 x 26	5490	59.7
20 x 25 x 1	19-1/2 x 24-1/2 x 7/8	300	.24	6.96	508 x 635 x 26	5490	59.7
20 x 30 x 1	19-5/8 x 29-5/8 x 7/8	300	.24	8.23	508 x 762 x 26	5490	59.7
22 x 22 x 1	21-1/2 x 21-1/2 x 7/8	300	.24	7.17	558 x 558 x 26	5490	59.7
24 x 24 x 1	23-3/8 x 23-3/8 x 7/8	300	.24	7.92	610 x 610 x 26	5490	59.7
24 x 30 x 1	23-5/8 x 29-5/8 x 7/8	300	.24	9.90	610 x 762 x 26	5490	59.7
25 x 25 x 1	24-1/2 x 24-1/2 x 7/8	300	.24	8.51	635 x 635 x 26	5490	59.7
10 x 20 x 2	9-1/2 x 19-1/2 x 1-3/4	500	.31	6.24	254 x 508 x 51	9150	77.1
12 x 12 x 2	11-1/2 x 11-1/2 x 1-3/4	500	.31	4.33	305 x 305 x 51	9150	77.1
12 x 20 x 2	11-1/2 x 19-1/2 x 1-3/4	500	.31	7.20	305 x 508 x 51	9150	77.1
12 x 24 x 2	11-3/8 x 23-3/8 x 1-3/4	500	.31	8.66	305 x 610 x 51	9150	77.1
14 x 20 x 2	13-1/2 x 19-1/2 x 1-3/4	500	.31	8.64	356 x 508 x 51	9150	77.1
14 x 25 x 2	13-1/2 x 24-1/2 x 1-3/4	500	.31	10.83	356 x 635 x 51	9150	77.1
15 x 20 x 2	14-1/2 x 19-1/2 x 1-3/4	500	.31	9.12	381 x 508 x 51	9150	77.1
16 x 16 x 2	15-1/2 x 15-1/2 x 1-3/4	500	.31	7.66	406 x 406 x 51	9150	77.1
16 x 20 x 2	15-1/2 x 19-1/2 x 1-3/4	500	.31	9.60	406 x 508 x 51	9150	77.1
16 x 24 x 2	15-1/2 x 23-1/2 x 1-3/4	500	.31	11.55	406 x 610 x 51	9150	77.1
16 x 25 x 2	15-1/2 x 24-1/2 x 1-3/4	500	.31	12.03	406 x 635 x 51	9150	77.1
18 x 18 x 2	17-1/2 x 17-1/2 x 1-3/4	500	.31	9.92	457 x 457 x 51	9150	77.1
18 x 20 x 2	17-1/2 x 19-1/2 x 1-3/4	500	.31	11.04	457 x 508 x 51	9150	77.1
18 x 24 x 2	17-1/2 x 23-1/2 x 1-3/4	500	.31	13.28	457 x 610 x 51	9150	77.1
18 x 25 x 2	17-1/2 x 24-1/2 x 1-3/4	500	.31	13.84	457 x 635 x 51	9150	77.1
20 x 20 x 2	19-1/2 x 19-1/2 x 1-3/4	500	.31	12.00	508 x 508 x 51	9150	77.1
20 x 24 x 2	19-3/8 x 23-3/8 x 1-3/4	500	.31	14.43	508 x 610 x 51	9150	77.1
20 x 25 x 2	19-1/2 x 24-1/2 x 1-3/4	500	.31	15.04	508 x 635 x 51	9150	77.1
20 x 30 x 2	19-5/8 x 29-5/8 x 1-3/4	500	.31	18.24	508 x 762 x 51	9150	77.1
24 x 24 x 2	23-3/8 x 23-3/8 x 1-3/4	500	.31	17.61	610 x 610 x 51	9150	77.1
25 x 25 x 2	24-1/2 x 24-1/2 x 1-3/4	500	.31	18.65	635 x 635 x 51	9150	77.1
24 x 28 x 2	23-1/2 x 27-3/4 x 1-3/4	500	.31	21.69	610 x 762 x 51	9150	77.1
28 x 30 x 2	27-3/4 x 29-3/8 x 1-3/4	500	.31	25.31	711 x 762 x 51	9150	77.1
30 x 32 x 2	29-3/8 x 31-3/4 x 1-3/4	500	.31	28.92	762 x 813 x 51	9150	77.1
30 x 36 x 2	29-3/8 x 35-3/4 x 1-3/4	500	.31	32.54	762 x 914 x 51	9150	77.1

Tolerances shall be +/- 1/8" for height, width and +/- 1/16" for depth. Recommended final resistance is 1.00" w.g.
All special sizes will be undersized by 1/8" unless specified otherwise.

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
12 x 24 x 4	11-3/8 x 23-3/8 x 3-3/4	500	.25	13.61	457 x 610 x 102	9150	62.2
16 x 20 x 4	15-1/2 x 19-1/2 x 3-3/4	500	.25	15.43	406 x 508 x 102	9150	62.2
16 x 25 x 4	15-1/2 x 24-1/2 x 3-3/4	500	.25	19.34	406 x 635 x 102	9150	62.2
18 x 24 x 4	17-1/2 x 23-1/2 x 3-3/4	500	.25	21.03	457 x 610 x 102	9150	62.2
20 x 20 x 4	19-1/2 x 19-1/2 x 3-3/4	500	.25	18.52	508 x 508 x 102	9150	62.2
20 x 24 x 4	19-3/8 x 23-3/8 x 3-3/4	500	.25	22.27	508 x 610 x 102	9150	62.2
20 x 25 x 4	19-1/2 x 24-1/2 x 3-3/4	500	.25	23.20	508 x 635 x 102	9150	62.2
24 x 24 x 4	23-3/8 x 23-3/8 x 3-3/4	500	.25	27.21	610 x 610 x 102	9150	62.2
12 x 24 x 6	11-3/8 x 23-3/8 x 5-3/4	500	.22	20.86	305 x 610 x 152	9150	54.7
16 x 20 x 6	15-1/2 x 19-1/2 x 5-3/4	500	.22	23.66	406 x 508 x 152	9150	54.7
16 x 25 x 6	15-1/2 x 24-1/2 x 5-3/4	500	.22	29.65	406 x 635 x 152	9150	54.7
18 x 24 x 6	17-1/2 x 23-1/2 x 5-3/4	500	.22	32.24	457 x 610 x 152	9150	54.7
20 x 20 x 6	19-1/2 x 19-1/2 x 5-3/4	500	.22	28.39	508 x 508 x 152	9150	54.7
20 x 24 x 6	19-3/8 x 23-3/8 x 5-3/4	500	.22	34.14	508 x 610 x 152	9150	54.7
20 x 25 x 6	19-1/2 x 24-1/2 x 5-3/4	500	.22	35.58	508 x 635 x 152	9150	54.7
24 x 24 x 6	23-3/8 x 23-3/8 x 5-3/4	500	.22	41.73	610 x 610 x 152	9150	54.7

Tolerances shall be +/- 1/8" for height, width and +/- 1/16" for depth. Recommended final resistance is 1.00" w.g.
All special sizes will be undersized by 1/8" unless specified otherwise.

Pleats Per Lineal Foot

DEPTH	MR-11
1"	16
2"	15
4"	11
6"	11

Media Area to Face Area Ratio

DEPTH	MR-11
1"	1.97
2"	4.40
4"	6.80
6"	10.43

MINIMUM PARTICLE SIZE EFFICIENCY
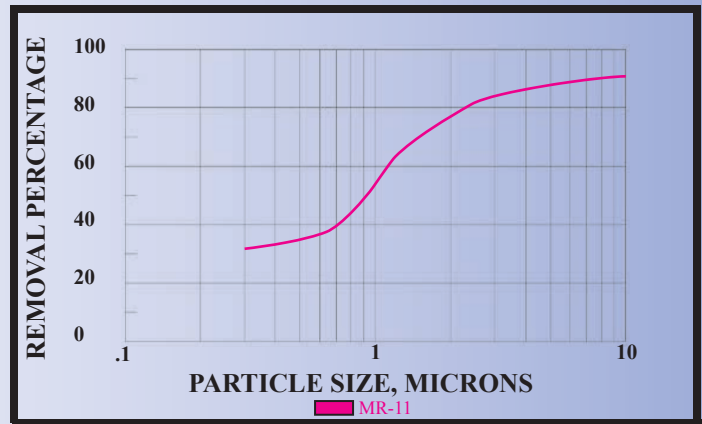
Test Filter Size 24" x 24" x 2" Nominal

STANDARD PRESSURE DROP
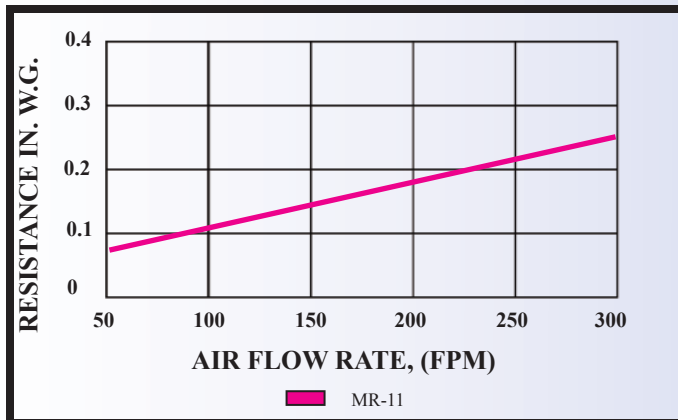
Test Filter Size 24" x 24" x 1" Nominal

STANDARD PRESSURE DROP

Test Filter Size 24" x 24" x 2" Nominal
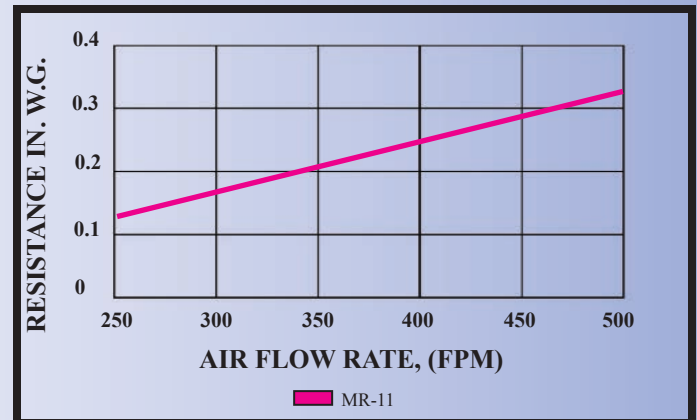
Glasfloss Z-Line® MERV 11
Geothermal Unit Replacement Filters
One Piece Die-Cut Frame Construction

• Improved Rigidity
• Increased Media Area
• MERV 11 Performance

GEOTHERMAL REPLACEMENT SIZES			
PART NUMBER	ACTUAL SIZES	CARTON QUANTITY	CARTON WEIGHT
M1124282	23-1/2 x 27-3/4 x 2	6	14 LB
M1128302	27-3/4 x 29-3/8 x 2	6	16 LB
M1130322	29-3/8 x 31-3/4 x 2	6	17 LB
M1130362	29-3/8 x 35-3/4 x 2	6	18 LB

Glasfloss Industries incorporates color-coded carton labels on standard sizes to help identify the product, which enhance warehouse operations and shipments.

12 PIECES
MR-11 Pleat
MERV 11
14 x 25 x 1
PART# M1114251

Glasfloss manufactures a variety of medium and high efficiency air filters which can be specified for LEED certification applications. For specific information on these products, please contact your local Glasfloss Sales Representative.

NAFA
National Air
Filtration
Association

U.S. GREEN BUILDING COUNCIL
LEED
USGBC

HARDI
HEATING, AIRCONDITIONING & REFRIGERATION DISTRIBUTORS INTERNATIONAL

MADE IN
U.S.A.

UL®

Glasfloss® Industries
Excellence in Air Filtration Since 1936

The Z-Line Series "MR-11"

PART NUMBER	1" STANDARD SIZES	LIST PRICE	CARTON QUANTITY	CARTON WEIGHT
M1110101	10x10x1	$12.90	12	3 LB.
M1110201	10x20x1	$13.57	12	5 LB.
M1110241	10x24x1	$19.83	12	6 LB.
M1110301	10x30x1	$20.29	12	8 LB.
M1112121	12x12x1	$14.66	12	4 LB.
M1112201	12x20x1	$13.98	12	6 LB.
M1112241	12x24x1	$12.74	12	7 LB.
M1112251	12x25x1	$13.64	12	7 LB.
M1112301	12x30x1	$20.29	12	8 LB.
M1114141	14x14x1	$14.55	12	5 LB.
M1114201	14x20x1	$13.03	12	6 LB.
M1114241	14x24x1	$21.64	12	7 LB.
M1114251	14x25x1	$13.98	12	8 LB.
M1114301	14x30x1	$21.91	12	9 LB.
M1115201	15x20x1	$12.88	12	7 LB.
M111530K1	15x30-5/8x1	$21.91	12	10 LB.
M1116161	16x16x1	$19.03	12	6 LB.
M1116201	16x20x1	$12.44	12	7 LB.
M1116241	16x24x1	$17.83	12	8 LB.
M1116251	16x25x1	$13.76	12	8 LB.
M1116301	16x30x1	$21.91	12	10 LB.
M1118181	18x18x1	$20.29	12	7 LB.
M1118201	18x20x1	$19.03	12	8 LB.
M1118241	18x24x1	$15.98	12	9 LB.
M1118251	18x25x1	$17.83	12	9 LB.
M1118301	18x30x1	$24.26	12	11 LB.
M1120201	20x20x1	$13.90	12	8 LB.
M1120221	20x22x1	$19.38	12	9 LB.
M1120241	20x24x1	$15.80	12	10 LB.
M1120251	20x25x1	$15.58	12	10 LB.
M1120301	20x30x1	$20.88	12	11 LB.
M1122221	22x22x1	$22.56	12	9 LB.
M1124241	24x24x1	$18.12	12	11 LB.
M1124301	24x30x1	$26.76	12	14 LB.
M1125251	25x25x1	$21.68	12	13 LB.

PART NUMBER	2" STANDARD SIZES	LIST PRICE	CARTON QUANTITY	CARTON WEIGHT
M1110202	10x20x2	$13.98	12	8 LB.
M1112122	12x12x2	$14.45	12	6 LB.
M1112202	12x20x2	$14.82	12	9 LB.
M1112242	12x24x2	$14.10	12	11 LB.
M1114202	14x20x2	$14.45	12	11 LB.
M1114252	14x25x2	$15.69	12	12 LB.
M1115202	15x20x2	$14.91	12	11 LB.
M1116162	16x16x2	$19.10	12	11 LB.
M1116202	16x20x2	$14.30	12	12 LB.
M1116242	16x24x2	$18.38	12	13 LB.
M1116252	16x25x2	$16.54	12	14 LB.
M1118182	18x18x2	$23.16	12	12 LB.
M1118202	18x20x2	$19.62	12	12 LB.
M1118242	18x24x2	$19.06	12	14 LB.
M1118252	18x25x2	$20.17	12	15 LB.
M1120202	20x20x2	$16.85	12	14 LB.
M1120242	20x24x2	$19.83	12	16 LB.
M1120252	20x25x2	$19.45	12	17 LB.
M1120302	20x30x2	$28.43	12	18 LB.
M1124242	24x24x2	$22.04	12	18 LB.
M1125252	25x25x2	$25.55	12	20 LB.

	Geo-thermal Replacement sizes			
PART NUMBER	Actual SIZES	LIST PRICE	CARTON QUANTITY	CARTON WEIGHT
M1124282	23-1/2 x 27-3/4 x 2	$38.92	6	14 LB.
M1128302	27-3/4 x 29-3/8 x 2	$67.57	6	16 LB.
M1130322	29-3/8 x 31-3/4 x 2	$67.57	6	17 LB.
M1130362	29-3/8 x 35-3/4 x 2	$72.52	6	18 LB.

PART NUMBER	4" STANDARD SIZES	LIST PRICE	CARTON QUANTITY	CARTON WEIGHT
M1112244	12x24x4	$25.48	6	9 LB.
M1116204	16x20x4	$24.99	6	10 LB.
M1116254	16x25x4	$29.09	6	12 LB.
M1118244	18x24x4	$31.91	6	13 LB.
M1120204	20x20x4	$29.82	6	11 LB.
M1120244	20x24x4	$34.76	6	13 LB.
M1120254	20x25x4	$34.20	6	14 LB.
M1124244	24x24x4	$38.90	6	15 LB.
	Semi-Std. Size			
M1125294	25x29x4 (24 1/2x28 1/2)	$45.28	6	17 LB.

PART NUMBER	6" STANDARD SIZES	LIST PRICE	CARTON QUANTITY	CARTON WEIGHT
M1112246	12x24x6	$35.74	4	9 LB.
M1116206	16x20x6	$35.43	4	11 LB.
M1116256	16x25x6	$42.64	4	12 LB.
M1118246	18x24x6	$47.80	4	13 LB.
M1120206	20x20x6	$42.64	4	12 LB.
M1120246	20x24x6	$47.42	4	14 LB.
M1120256	20x25x6	$46.68	4	15 LB.
M1124246	24x24x6	$53.02	4	16 LB.

The Z-Line Series
MADE-TO-ORDER SIZES
MR-11   1"

Gross Area Square Inches	Part Number	List Price
Less than 150"	M11SP1A	$16.15
150-199"	M11SP1B	$19.13
200-249"	M11SP1C	$21.53
250-299"	M11SP1D	$23.72
300-399"	M11SP1E	$26.66
400-499"	M11SP1F	$29.73
500-599"	M11SP1G	$31.87
600-699"	M11SP1H	$34.23
700-799"	M11SP1I	$36.26
800-899"	M11SP1J	$39.84

MR-11   2"

Less than 150"	M11SP2A	$19.46
150-199"	M11SP2B	$22.39
200-249"	M11SP2C	$25.17
250-299"	M11SP2D	$27.73
300-399"	M11SP2E	$31.18
400-499"	M11SP2F	$34.72
500-599"	M11SP2G	$37.27
600-699"	M11SP2H	$40.04
700-799"	M11SP2I	$42.43
800-899"	M11SP2J	$46.65

MR-11   4"

Less than 150"	M11SP4A	$38.02
150-199"	M11SP4B	$42.91
200-249"	M11SP4C	$47.81
250-299"	M11SP4D	$52.71
300-399"	M11SP4E	$59.49
400-499"	M11SP4F	$66.01
500-599"	M11SP4G	$70.88
600-699"	M11SP4H	$75.84
700-799"	M11SP4I	$81.13
800-899"	M11SP4J	$89.25

*MINIMUM: 12 Per size; Less than 12 per size add 40% to each filter.
Made-To-Order filters are bulk packed.
 * The minimum size of a special size is 4" x 4".

*DOUBLE SIZE: If both dimensions are larger than 24 3/4", or if either dimension is
larger than 35" it is considered a double size filter .
To figure the price on a double size MR-11 calculate 1/2 of the square
inches for the desired size and then double the list price.
The maximum length dimension is 96".
6" Special-Size Pleats: add 55% to the 4" list price.
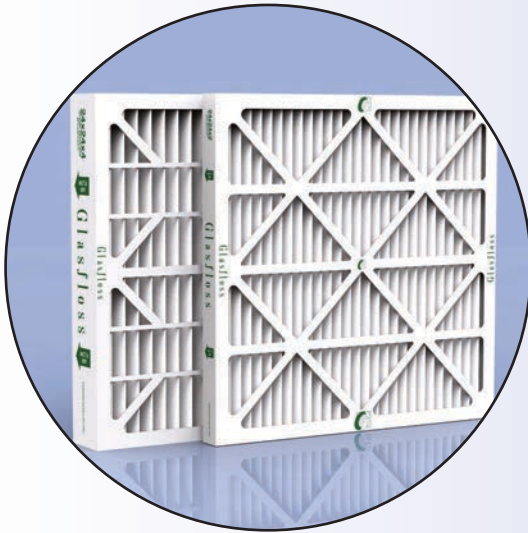
[Z-LINE® SERIES MR-13]
Environmentally Friendly!

MADE IN U. S. A.

- MERV 13
- Electrostatically-Charged 100% Synthetic Media
- Heavy-Duty Moisture-Resistant Construction
- Standard Size 4" Incorporate Media Separators

FEATURES >

The Glasfloss Z-Line Series MR-13 pleated air filter features the latest in media technology to achieve MERV 13 while maintaining low pressure drop and good service life. The new Z-Line Series MR-13 pleat is optimized for "LEED" compliance in new and existing buildings as well as providing a cost-effective upgrade from lower efficiency pleated filters for a variety of commercial and industrial applications. The Z-Line Series MR-13 pleat is available in many standard face dimensions in 1", 2" and 4" depths.

The Glasfloss Z-Line Series MR-13 air filter shall be of the extended-surface pleated-media type. The media incorporates 100% synthetic fibers that are electrostatically charged. The filter fibers are thermally bonded and manufactured in an engineered gradient structure. An expanded metal reinforcement shall be laminated to the air-exit 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. The media shall be pleated in a tapered radial configuration. The pleated cartridge shall be bonded to the peripheral interior of the outer frame. A heavy-duty moisture-resistant beverage board shall be utilized for an encasing frame. The frame shall be internally laminated to the pleated cartridge apexes. Z-Line MR-13 Series filters shall be classified under U.L. std. 900 and shall be rated to withstand temperatures up to 180 degrees Fahrenheit. Z-Line MR-13 Series filters shall be rated MERV 13 when tested in accordance with the ANSI/ASHRAE 52.2 Test Standard.
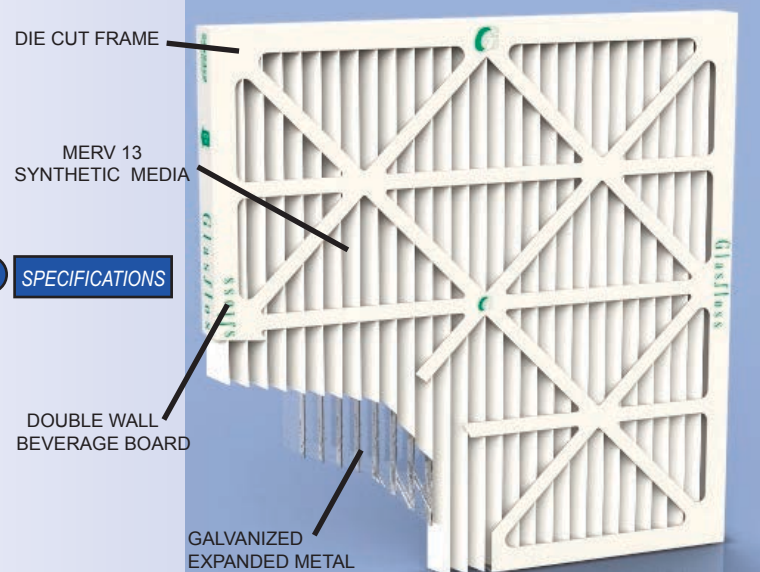
< SPECIFICATIONS

DIE CUT FRAME

MERV 13 SYNTHETIC MEDIA

DOUBLE WALL BEVERAGE BOARD

GALVANIZED EXPANDED METAL

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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.
www.glasfloss.com · (214) 741-7056   PRODUCT BULLETIN 6MR13 • SECTION 6 • 8-20-21

Z-LINE SERIES MR-13 STANDARD SIZE 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. PASCAL
M1310101	10 x 10 x 1	9-1/2 x 9-1/2 x 7/8	300	.35	1.61	254 x 254 x 25	5490	112.09
M1310201	10 x 20 x 1	9-1/2 x 19-1/2 x 7/8	300	.35	2.67	254 x 508 x 25	5490	112.09
M1310241	10 x 24 x 1	9-1/2 x 23-3/8 x 7/8	300	.35	3.22	254 x 610 x 25	5490	112.09
M1310301	10 x 30 x 1	9-5/8 x 29-5/8 x 7/8	300	.35	4.95	254 x 762 x 25	5490	112.09
M1312121	12 x 12 x 1	11-1/2 x 11-1/2 x 7/8	300	.35	2.06	305 x 305 x 25	5490	112.09
M1312201	12 x 20 x 1	11-1/2 x 19-1/2 x 7/8	300	.35	3.29	305 x 508 x 25	5490	112.09
M1312241	12 x 24 x 1	11-3/8 x 23-3/8 x 7/8	300	.35	3.96	305 x 610 x 25	5490	112.09
M1312251	12 x 25 x 1	11-1/2 x 24-1/2 x 7/8	300	.35	4.13	305 x 635 x 25	5490	112.09
M1312301	12 x 30 x 1	11-5/8 x 29-1/2 x 7/8	300	.35	5.16	305 x 762 x 25	5490	112.09
M1314141	14 x 14 x 1	13-1/2 x 13-1/2 x 7/8	300	.35	3.12	356 x 356 x 25	5490	112.09
M1314201	14 x 20 x 1	13-1/2 x 19-1/2 x 7/8	300	.35	3.91	356 x 508 x 25	5490	112.09
M1314241	14 x 24 x 1	13-1/2 x 23-3/8 x 7/8	300	.35	4.70	356 x 610 x 25	5490	112.09
M1314251	14 x 25 x 1	13-1/2 x 24-1/2 x 7/8	300	.35	4.90	356 x 635 x 25	5490	112.09
M1314301	14 x 30 x 1	13-5/8 x 29-5/8 x 7/8	300	.35	6.56	356 x 762 x 25	5490	112.09
M1315201	15 x 20 x 1	14-1/2 x 19-1/2 x 7/8	300	.35	4.11	381 x 508 x 25	5490	112.09
M131530K1	15 x 30-5/8 x 1	14-5/8 x 30-1/4 x 7/8	300	.35	10.57	381 x 778 x 25	5490	112.09
M1316161	16 x 16 x 1	15-1/2 x 15-1/2 x 7/8	300	.35	3.45	406 x 406 x 25	5490	112.09
M1316201	16 x 20 x 1	15-1/2 x 19-1/2 x 7/8	300	.35	4.32	406 x 508 x 25	5490	112.09
M1316241	16 x 24 x 1	15-1/2 x 23-1/2 x 7/8	300	.35	5.20	406 x 610 x 25	5490	112.09
M1316251	16 x 25 x 1	15-1/2 x 24-1/2 x 7/8	300	.35	5.41	406 x 635 x 25	5490	112.09
M1316301	16 x 30 x 1	15-5/8 x 29-5/8 x 7/8	300	.35	6.67	406 x 762 x 25	5490	112.09
M1318181	18 x 18 x 1	17-1/2 x 17-1/2 x 7/8	300	.35	4.44	457 x 457 x 25	5490	112.09
M1318201	18 x 20 x 1	17-1/2 x 19-1/2 x 7/8	300	.35	4.94	457 x 508 x 25	5490	112.09
M1318241	18 x 24 x 1	17-1/2 x 23-3/8 x 7/8	300	.35	5.94	457 x 610 x 25	5490	112.09
M1318251	18 x 25 x 1	17-1/2 x 24-1/2 x 7/8	300	.35	6.19	457 x 635 x 25	5490	112.09
M1318301	18 x 30 x 1	17-5/8 x 29-5/8 x 7/8	300	.35	8.23	457 x 762 x 25	5490	112.09
M1320201	20 x 20 x 1	19-5/8 x 19-5/8 x 7/8	300	.35	5.55	508 x 508 x 25	5490	112.09
M1320221	20 x 22 x 1	19-5/8 x 21-1/2 x 7/8	300	.35	6.15	508 x 559 x 25	5490	112.09
M1320241	20 x 24 x 1	19-5/8 x 23-3/8 x 7/8	300	.35	6.68	508 x 610 x 25	5490	112.09
M1320251	20 x 25 x 1	19-5/8 x 24-1/2 x 7/8	300	.35	6.96	508 x 635 x 25	5490	112.09
M1320301	20 x 30 x 1	19-5/8 x 29-5/8 x 7/8	300	.35	8.23	508 x 762 x 25	5490	112.09
M1322221	22 x 22 x 1	21-1/2 x 21-1/2 x 7/8	300	.35	7.17	559 x 559 x 25	5490	112.09
M1324241	24 x 24 x 1	23-3/8 x 23-3/8 x 7/8	300	.35	7.92	610 x 610 x 25	5490	112.09
M1324301	24 x 30 x 1	23-3/8 x 29-5/8 x 7/8	300	.35	9.90	610 x 762 x 25	5490	112.09
M1325251	25 x 25 x 1	24-1/2 x 24-1/2 x 7/8	300	.35	8.51	635 x 635 x 25	5490	112.09

Tolerances shall be +/- 1/8" for height, width and +/- 1/16" for depth. Recommended final resistance is 1.00" w.g.

THE CLEAR CHOICE SINCE 1936

Z-LINE SERIES MR-13 STANDARD SIZE FILTERS

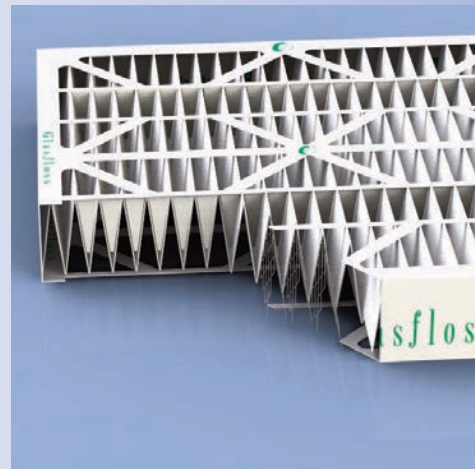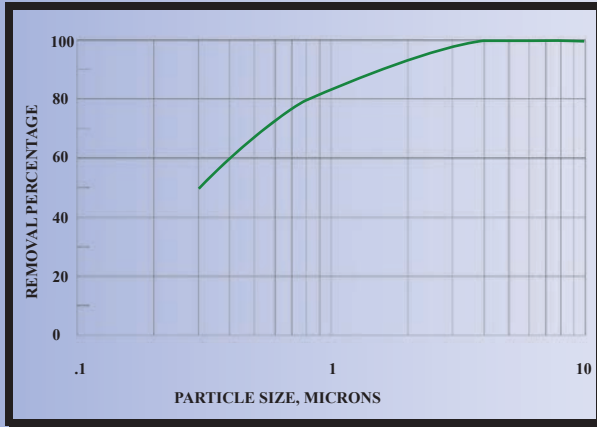| MODEL NUMBER	SIZE W x H x D NOMINAL	SIZE W x H x D EXACT	RATED VELOCITY FPM	INITIAL RESIST. IN. W.G	MEDIA SQUARE FEET	SIZE W x H x D NOMINAL MM	RATED VELOCITY M/H	INITIAL RESIST. PASCAL
M1310202	10 x 20 x 2	9-1/2 x 19-1/2 x 1-3/4	500	.39	6.24	254 x 508 x 51	9150	94.65
M1312122	12 x 12 x 2	11-1/2 x 11-1/5 x 1-3/4	500	.39	4.33	305 x 305 x 51	9150	94.65
M1312202	12 x 20 x 2	11-1/2 x 19-1/2 x 1-3/4	500	.39	7.20	305 x 508 x 51	9150	94.65
M1312242	12 x 24 x 2	11-3/8 x 23-3/8 x 1-3/4	500	.39	8.66	305 x 610 x 51	9150	94.65
M1314202	14 x 20 x 2	13-1/2 x 19-1/2 x 1-3/4	500	.39	8.64	356 x 508 x 51	9150	94.65
M1314252	14 x 25 x 2	13-1/2 x 24-1/2 x 1-3/4	500	.39	10.83	356 x 635 x 51	9150	94.65
M1315202	15 x 20 x 2	14-1/2 x 19-1/2 x 1-3/4	500	.39	9.12	381 x 508 x 51	9150	94.65
M1316162	16 x 16 x 2	15-1/2 x 15-1/2 x 1-3/4	500	.39	7.66	406 x 406 x 51	9150	94.65
M1316202	16 x 20 x 2	15-1/2 x 19-1/2 x 1-3/4	500	.39	9.60	406 x 508 x 51	9150	94.65
M1316242	16 x 24 x 2	15-1/2 x 23-1/2 x 1-3/4	500	.39	11.55	406 x 610 x 51	9150	94.65
M1316252	16 x 25 x 2	15-1/2 x 24-1/2 x 1-3/4	500	.39	12.03	406 x 635 x 51	9150	94.65
M1318182	18 x 18 x 2	17-1/2 x 17-1/2 x 1-3/4	500	.39	9.92	457 x 457 x 51	9150	94.65
M1318202	18 x 20 x 2	17-1/2 x 19-1/2 x 1-3/4	500	.39	11.04	457 x 508 x 51	9150	94.65
M1318242	18 x 24 x 2	17-1/2 x 23-1/2 x 1-3/4	500	.39	13.28	457 x 610 x 51	9150	94.65
M1318252	18 x 25 x 2	17-1/2 x 24-1/2 x 1-3/4	500	.39	13.84	457 x 635 x 51	9150	94.65
M1320202	20 x 20 x 2	19-1/2 x 19-1/2 x 1-3/4	500	.39	12.00	508 x 508 x 51	9150	94.65
M1320242	20 x 24 x 2	19-3/8 x 23-3/8 x 1-3/4	500	.39	14.43	508 x 610 x 51	9150	94.65
M1320252	20 x 25 x 2	19-1/2 x 24-1/2 x 1-3/4	500	.39	15.04	508 x 635 x 51	9150	94.65
M1320302	20 x 30 x 2	19-5/8 x 29-5/8 x 1-3/4	500	.39	18.24	508 x 762 x 51	9150	94.65
M1324242	24 x 24 x 2	23-3/8 x 23-3/8 x 1-3/4	500	.39	17.61	610 x 610 x 51	9150	94.65
M1325252	25 x 25 x 2	24-1/2 x 24-1/2 x 1-3/4	500	.39	18.65	635 x 635 x 51	9150	94.65
M1312244	12 x 24 x 4	11-3/8 x 23-3/8 x 3-3/4	500	.34	13.61	305 x 610 x 102	9150	82.20
M1316204	16 x 20 x 4	15-1/2 x 19-1/2 x 3-3/4	500	.34	15.43	406 x 508 x 102	9150	82.20
M1316254	16 x 25 x 4	15-1/2 x 24-1/2 x 3-3/4	500	.34	19.34	406 x 635 x 102	9150	82.20
M1318244	18 x 24 x 4	17-1/2 x 23-1/2 x 3-3/4	500	.34	21.03	457 x 610 x 102	9150	82.20
M1320204	20 x 20 x 4	19-1/2 x 19-1/2 x 3-3/4	500	.34	18.52	508 x 508 x 102	9150	82.20
M1320244	20 x 24 x 4	19-3/8 x 23-3/8 x 3-3/4	500	.34	22.27	508 x 610 x 102	9150	82.20
M1320254	20 x 25 x 4	19-1/2 x 24-1/2 x 3-3/4	500	.34	23.20	508 x 635 x 102	9150	82.20
M1324244	24 x 24 x 4	23-3/8 x 23-3/8 x 3-3/4	500	.34	27.21	610 x 610 x 102	9150	82.20

Tolerances shall be +/- 1/8" for height, width and +/- 1/16" for depth. Recommended final resistance is 1.00" w.g.

Standard size 4" thick MR-13 pleated filters incorporate media separators.

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MINIMUM PARTICLE SIZE EFFICIENCY

REMOVAL PERCENTAGE

PARTICLE SIZE, MICRONS

STANDARD PRESSURE DROP

RESISTANCE IN W.G.

AIR FLOW RATE, (FPM)

1"   2"   4"
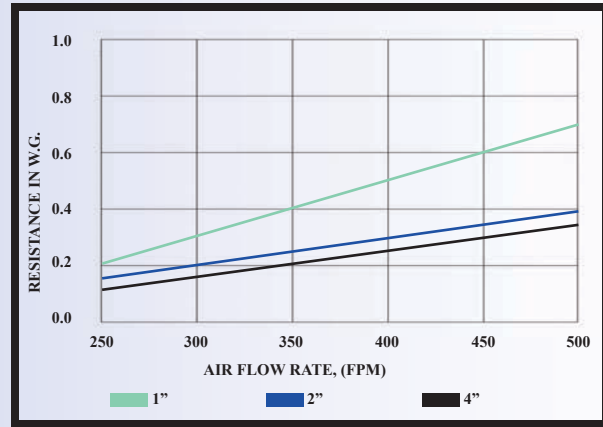
GLASFLOSS' COMMITMENT to GREEN

For years, Glasfloss has been designing air filtration products for maximum energy savings and environmental benefits in HVAC systems. Now more than ever, our commitment to Green products and manufacturing processes is at the heart of our company. For more information on Glasfloss Green products and LEED project certification options, please contact your Glasfloss Sales Representative.

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Glasfloss Industries
Excellence in Air Filtration Since 1936

The Z-Line Series "MR-13"

PART NUMBER	1" STANDARD SIZES	LIST PRICE	CARTON QUANTITY	CARTON WEIGHT
M1310101	10x10x1	$24.75	12	3 LB.
M1310201	10x20x1	$26.10	12	7 LB.
M1310241	10x24x1	$38.14	12	8 LB.
M1310301	10x30x1	$38.54	12	7 LB.
M1312121	12x12x1	$24.88	12	4 LB.
M1312201	12x20x1	$26.88	12	8 LB.
M1312241	12x24x1	$24.57	12	12 LB.
M1312251	12x25x1	$26.25	12	12 LB.
M1312301	12x30x1	$38.54	12	8 LB.
M1314141	14x14x1	$23.61	12	5 LB.
M1314201	14x20x1	$25.07	12	8 LB.
M1314241	14x24x1	$41.57	12	8 LB.
M1314251	14x25x1	$26.88	12	9 LB.
M1314301	14x30x1	$41.82	12	8 LB.
M1315201	15x20x1	$24.75	12	8 LB.
M131530K1	15x30 5/8x1	$41.82	12	9 LB.
M1316161	16x16x1	$36.55	12	6 LB.
M1316201	16x20x1	$23.88	12	8 LB.
M1316241	16x24x1	$34.27	12	8 LB.
M1316251	16x25x1	$26.46	12	9 LB.
M1316301	16x30x1	$41.82	12	9 LB.
M1318181	18x18x1	$38.54	12	7 LB.
M1318201	18x20x1	$36.55	12	11 LB.
M1318241	18x24x1	$30.74	12	9 LB.
M1318251	18x25x1	$34.27	12	12 LB.
M1318301	18x30x1	$40.21	12	10 LB.
M1320201	20x20x1	$26.69	12	9 LB.
M1320221	20x22x1	$37.29	12	9 LB.
M1320241	20x24x1	$30.40	12	11 LB.
M1320251	20x25x1	$29.88	12	11 LB.
M1320301	20x30x1	$40.18	12	11 LB.
M1322221	22x22x1	$41.24	12	8 LB.
M1324241	24x24x1	$34.90	12	11 LB.
M1324301	24x30x1	$51.44	12	15 LB.
M1325251	25x25x1	$41.73	12	15 LB.

PART NUMBER	2" STANDARD SIZES	LIST PRICE	CARTON QUANTITY	CARTON WEIGHT
M1310202	10x20x2	$32.23	12	10 LB.
M1312122	12x12x2	$30.38	12	9 LB.
M1312202	12x20x2	$34.20	12	9 LB.
M1312242	12x24x2	$32.52	12	11 LB.
M1314202	14x20x2	$33.28	12	12 LB.
M1314252	14x25x2	$36.24	12	12 LB.
M1315202	15x20x2	$34.38	12	15 LB.
M1316162	16x16x2	$34.29	12	11 LB.
M1316202	16x20x2	$33.00	12	12 LB.
M1316242	16x24x2	$42.39	12	12 LB.
M1316252	16x25x2	$38.14	12	15 LB.
M1318182	18x18x2	$45.26	12	12LB.
M1318202	18x20x2	$45.26	12	15 LB.
M1318242	18x24x2	$43.93	12	15 LB.
M1318252	18x25x2	$46.52	12	15 LB.
M1320202	20x20x2	$38.81	12	16 LB.
M1320242	20x24x2	$45.76	12	15 LB.
M1320252	20x25x2	$44.82	12	18 LB.
M1320302	20x30x2	$54.27	12	18 LB.
M1324242	24x24x2	$50.81	12	20 LB.
M1325252	25x25x2	$58.89	12	20 LB.

PART NUMBER	4" STANDARD SIZES	LIST PRICE	CARTON QUANTITY	CARTON WEIGHT
M1312244	12x24x4	$58.79	6	10 LB.
M1316204	16x20x4	$57.60	6	11 LB.
M1316254	16x25x4	$67.10	6	12 LB.
M1318244	18x24x4	$73.60	6	12 LB.
M1320204	20x20x4	$68.82	6	11 LB.
M1320244	20x24x4	$80.13	6	14 LB.
M1320254	20x25x4	$78.84	6	15 LB.
M1324244	24x24x4	$89.73	6	16 LB.

The Z-Line Series
MADE-TO-ORDER SIZES

MR-13 1"

Gross Area Square Inches	Part Number	List Price
Less than 150"	M13SP1A	$26.68
150-199"	M13SP1B	$31.63
200-249"	M13SP1C	$35.58
250-299"	M13SP1D	$39.19
300-399"	M13SP1E	$44.06
400-499"	M13SP1F	$49.13
500-599"	M13SP1G	$52.67
600-699"	M13SP1H	$56.61
700-799"	M13SP1I	$59.96
800-899"	M13SP1J	$65.88

MR-13 2"

Gross Area Square Inches	Part Number	List Price
Less than 150"	M13SP2A	$33.68
150-199"	M13SP2B	$38.71
200-249"	M13SP2C	$43.57
250-299"	M13SP2D	$47.97
300-399"	M13SP2E	$53.94
400-499"	M13SP2F	$60.10
500-599"	M13SP2G	$64.51
600-699"	M13SP2H	$69.25
700-799"	M13SP2I	$73.39
800-899"	M13SP2J	$80.71

MR-13 4"

Gross Area Square Inches	Part Number	List Price
Less than 150"	M13SP4A	$51.15
150-199"	M13SP4B	$57.79
200-249"	M13SP4C	$64.30
250-299"	M13SP4D	$70.91
300-399"	M13SP4E	$80.05
400-499"	M13SP4F	$88.84
500-599"	M13SP4G	$95.39
600-699"	M13SP4H	$102.06
700-799"	M13SP4I	$109.16
800-899"	M13SP4J	$120.09

*MINIMUM:	12 Per size; less than 12 per size add +40% to each filter.
	Made-To-Order filters are bulk packed.
	* The minimum size of a special size is 4" x 4".

*DOUBLE SIZE:	If both dimensions are larger than 24 3/4", or if either dimension is
	larger than 35" it is considered a double size filter .
	To figure the price on a double size MR-13 calculate 1/2 of the square
	inches for the desired size and then double the list price.
	The maximum length is 96".

6" Special Size MR-13 Pleats: add 55% to 4" list price

New Improved Media

[Z-LINE® SERIES]
CARBOTRON®

- MERV 8
- Reduces Odors
- 100% Synthetic Media
- Heavy-Duty Moisture-Resistant Construction
- Galvanized Expanded Metal Backing
- Standard Size 4" Filters Incorporate Media Separators

FEATURES >

Cigarette smoke, vehicle exhaust, and cooking odors, along with thousands of other activities generate unpleasant odors. The solution to these problems and many offensive odors associated with Indoor Air Quality is the Z-Line Series Carbotron Pleat. The activated carbon used in the Carbotron Pleat has millions of tiny openings that adsorb odorous gas molecules from the air, so clean fresh smelling air remains. The Carbotron Pleat is offered in a wide range of standard and special sizes that allow installation in almost any Air Conditioning, Heating or Ventilating application.

The Glasfloss Z-Line Series Carbotron air filter is an extended-surface pleated-media type filter. The gradient density media combines particulate filtration with odor control in a single filter unit. The media shall be pleated in a tapered radial configuration. An expanded metal reinforcement shall be laminated to the air-exit 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. The pleated cartridge shall be bonded to the peripheral interior of the outer frame. A heavy-duty moisture-resistant beverage board shall be utilized for an encasing frame. The frame face shall be internally laminated to the pleated cartridge apexes. Z-Line Carbotron filters shall be rated to withstand temperatures of 180 degrees Fahrenheit. Z-Line Carbotron filters shall be rated under U.L. std. 900. The Z-Line Carbotron shall be rated MERV 8 when tested in accordance with the ANSI/ASHRAE 52.2 Test Standard. The recommended final pressure drop shall be 1.00" w.g.

< SPECIFICATIONS
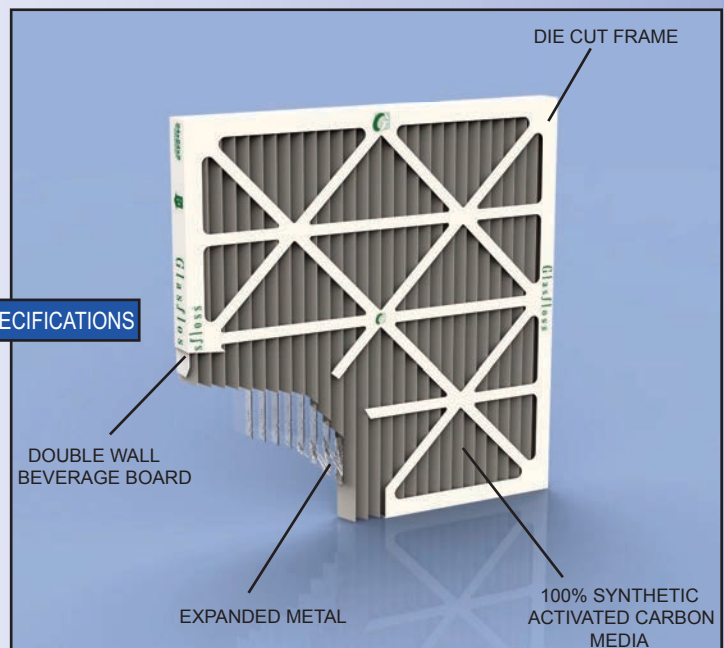
DIE CUT FRAME

DOUBLE WALL BEVERAGE BOARD

EXPANDED METAL

100% SYNTHETIC ACTIVATED CARBON MEDIA

Z-LINE SERIES CARBOTRON STANDARD SIZE 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
ZLN101014AC	10 x 10 x 1	9-1/2 x 9-1/2 x 7/8	300	0.18	1.61	54 x 254 x 26	5490	52.2
ZLN102014AC	10 x 20 x 1	9-1/2 x 19-1/2 x 7/8	300	0.18	2.67	254 x 508 x 26	5490	52.2
ZLN102414AC	10 x 24 x 1	9-1/2 x 23-1/2 x 7/8	300	0.18	3.22	254 x 610 x 26	5490	52.2
ZLN103014AC	10 x 30 x 1	9-5/8 x 29-5/8 x 7/8	300	0.18	4.95	254 x 762 x 26	5490	52.2
ZLN121214AC	12 x 12 x 1	11-1/2 x 11-1/2 x 7/8	300	0.18	2.06	305 x 305 x 26	5490	52.2
ZLN122014AC	12 x 20 x 1	11-1/2 x 19-1/2 x 7/8	300	0.18	3.29	305 x 508 x 26	5490	52.2
ZLN122414AC	12 x 24 x 1	11-3/8 x 23-3/8 x 7/8	300	0.18	3.96	305 x 610 x 26	5490	52.2
ZLN122514AC	12 x 25 x 1	11-1/2 x 24-1/2 x 7/8	300	0.18	4.13	305 x 635 x 26	5490	52.2
ZLN123014AC	12 x 30 x 1	11-5/8 x 29-5/8 x 7/8	300	0.18	5.16	305 x 762 x 26	5490	52.2
ZLN141414AC	14 x 14 x 1	13-1/2 x 13-1/2 x 7/8	300	0.18	3.12	356 x 356 x 26	5490	52.2
ZLN142014AC	14 x 20 x 1	13-1/2 x 19-1/2 x 7/8	300	0.18	3.91	356 x 508 x 26	5490	52.2
ZLN142414AC	14 x 24 x 1	13-1/2 x 23-1/2 x 7/8	300	0.18	4.70	356 x 610 x 26	5490	52.2
ZLN142514AC	14 x 25 x 1	13-1/2 x 24-1/2 x 7/8	300	0.18	4.90	356 x 635 x 26	5490	52.2
ZLN143014AC	14 x 30 x 1	13 5/8 x 29-5/8 x 7/8	300	0.18	6.56	356 x 762 x 26	5490	52.2
ZLN152014AC	15 x 20 x 1	14-1/2 x 19-1/2 x 7/8	300	0.18	4.11	381 x 508 x 26	5490	52.2
ZLN1530K14AC	15 x 30-5/8 x 1	14-5/8 x 30-1/4 x 7/8	300	0.18	10.57	381 x 777 x 26	5490	52.2
ZLN1616144AC	16 x 16 x 1	15-1/2 x 15-1/2 x 7/8	300	0.18	3.45	406 x 406 x 26	5490	52.2
ZLN162014AC	16 x 20 x 1	15-1/2 x 19-1/2 x 7/8	300	0.18	4.32	406 x 508 x 26	5490	52.2
ZLN162414AC	16 x 24 x 1	15-1/2 x 23-1/2 x 7/8	300	0.18	5.20	406 x 610 x 26	5490	52.2
ZLN162514AC	16 x 25 x 1	15-1/2 x 24-1/2 x 7/8	300	0.18	5.41	406 x 635 x 26	5490	52.2
ZLN163014AC	16 x 30 x 1	15-5/8 x 29-5/8 x 7/8	300	0.18	6.67	406 x 762 x 26	5490	52.2
ZLN181814AC	18 x 18 x 1	17-1/2 x 17-1/2 x 7/8	300	0.18	4.44	457 x 457 x 26	5490	52.2
ZLN182014AC	18 x 20 x 1	17-1/2 x 19-1/2 x 7/8	300	0.18	4.94	457 x 508 x 26	5490	52.2
ZLN182414AC	18 x 24 x 1	17-1/2 x 23-1/2 x 7/8	300	0.18	5.94	457 x 610 x 26	5490	52.2
ZLN182514AC	18 x 25 x 1	17-1/2 x 24-1/2 x 7/8	300	0.18	6.19	457 x 635 x 26	5490	52.2
ZLN183014AC	18 x 30 x 1	17-1/2 x 17-1/2 x 7/8	300	0.18	8.23	457 x 762 x 26	5490	52.2
ZLN202014AC	20 x 20 x 1	19-1/2 x 19-1/2 x 7/8	300	0.18	5.55	508 x 508 x 26	5490	52.2
ZLN202214AC	20 x 22 x 1	19-1/2 x 21-7/8 x 7/8	300	0.18	6.15	508 x 558 x 26	5490	52.2
ZLN202414AC	20 x 24 x 1	19-3/8 x 23-3/8 x 7/8	300	0.18	6.68	508 x 610 x 26	5490	52.2
ZLN202514AC	20 x 25 x 1	19-1/2 x 24-1/2 x 7/8	300	0.18	6.96	508 x 635 x 26	5490	52.2
ZLN203014AC	20 x 30 x 1	19-5/8 x 29-5/8 x 7/8	300	0.18	8.23	508 x 726 x 26	5490	52.2
ZLN222214AC	22 x 22 x 1	21-1/2 x 21-1/2 x 7/8	300	0.18	7.17	558 x 558 x 26	5490	52.2
ZLN242414AC	24 x 24 x 1	23-3/8 x 23-3/8 x 7/8	300	0.18	7.92	610 x 610 x 26	5490	52.2
ZLN243014AC	24 x 30 x 1	23-5/8 x 29-5/8 x 7/8	300	0.18	9.90	610 x 762 x 26	5490	52.2
ZLN252514AC	25 x 25 x 1	24-1/2 x 24-1/2 x 7/8	300	0.18	8.51	635 x 635 x 26	5490	52.2
ZLN102024AC	10 x 20 x 2	9-1/2 x 19-1/2 x 1-3/4	500	0.27	6.24	254 x 508 x 51	9150	74.6
ZLN121224AC	12 x 12 x 2	11-1/2 x 11-1/2 x 1-3/4	500	0.27	4.33	305 x 305 x 51	9150	74.6
ZLN122024AC	12 x 20 x 2	11-3/8 x 23-3/8 x 1-3/4	500	0.27	7.20	305 x 508 x 51	9150	74.6
ZLN122424AC	12 x 24 x 2	11-3/8 x 23-3/8 x 1-3/4	500	0.27	8.66	305 x 610 x 51	9150	74.6
ZLN142024AC	14 x 20 x 2	13-1/2 x 19-1/2 x 1-3/4	500	0.27	8.64	356 x 508 x 51	9150	74.6
ZLN142524AC	14 x 25 x 2	13-1/2 x 24-1/2 x 1-3/4	500	0.27	10.83	356 x 635 x 51	9150	74.6
ZLN152024AC	15 x 20 x 2	14-1/2 x 19-1/2 x 1-3/4	500	0.27	9.12	381 x 508 x 51	9150	74.6
ZLN161624AC	16 x 16 x 2	15-1/2 x 15-1/2 x 1-3/4	500	0.27	7.66	406 x 406 x 51	9150	74.6
ZLN162024AC	16 x 20 x 2	15-1/2 x 19-1/2 x 1-3/4	500	0.27	9.60	406 x 508 x 51	9150	74.6
ZLN162424AC	16 x 24 x 2	15-1/2 x 23-1/2 x 1-3/4	500	0.27	11.55	406 x 610 x 51	9150	74.6
ZLN162524AC	16 x 25 x 2	15-1/2 x 24-1/2 x1-3/4	500	0.27	12.03	406 x 635 x 51	9150	74.6
ZLN181824AC	18 x 18 x 2	17-1/2 x 17-1/2 x 1-3/4	500	0.27	9.92	457 x 457 x 51	9150	74.6
ZLN182024AC	18 x 20 x 2	17-1/2 x 19-1/2 x 1-3/4	500	0.27	11.04	457 x 508 x 51	9150	74.6
ZLN182424AC	18 x 24 x 2	17-1/2 x 23-1/2 x 1-3/4	500	0.27	13.28	457 x 610 x 51	9150	74.6
ZLN182524AC	18 x 25 x 2	17-1/2 x 24-1/2 x 1-3/4	500	0.27	13.84	457 x 635 x 51	9150	74.6
ZLN202024AC	20 x 20 x 2	19-1/2 x 19-1/2 x 1-3/4	500	0.27	12.00	508 x 508 x 51	9150	74.6
ZLN202424AC	20 x 24 x 2	19-3/8 x 23-3/8 x 1-3/4	500	0.27	14.43	508 x 610 x 51	9150	74.6
ZLN202524AC	20 x 25 x 2	19-1/2 x 24-1/2 x 1-3/4	500	0.27	15.04	508 x 635 x 51	9150	74.6
ZLN203024A	20 x 30 x 2	19-5/8 x 29-5/8 x 1-3/4	500	0.27	18.24	508 x 762 x 51	9150	74.6
ZLN242424AC	24 x 24 x 2	23-3/8 x 23-3/8 x 1-3/4	500	0.27	17.61	610 x 610 x 51	9150	74.6
ZLN252524AC	25 x 25 x 2	24-1/2 x 24-1/2 x 1-3/4	500	0.27	18.65	635 x 635 x 51	9150	

Tolerances shall be +/- 1/8" for height, width and +/- 1/16" for depth. Recommended final resistance is 1.00" w. g. All special sizes will be undersized by 1/8" unless specified otherwise.

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
ZLN122444AC	12 x 24 x 4	11-3/8 x 23-3/8 x 3-3/4	500	0.22	13.61	305 x 610 x 102	9150	62.2
ZLN162044AC	16 x 20 x 4	15-1/2 x 19-1/2 x 3-3/4	500	0.22	15.43	406 x 508 x 102	9150	62.2
ZLN162544AC	16 x 25 x 4	15-1/2 x 24-1/2 x 3-3/4	500	0.22	19.34	406 x 635 x 102	9150	62.2
ZLN182444AC	18 x 24 x 4	17-1/2 x 23-1/2 x 3-3/4	500	0.22	21.03	457 x 610 x 102	9150	62.2
ZLN202044AC	20 x 20 x 4	19-1/2 x 19-1/2 x 3-3/4	500	0.22	18.52	508 x 508 x 102	9150	62.2
ZLN202444AC	20 x 24 x 4	19-3/8 x 23-3/8 x 3-3/4	500	0.22	22.27	508 x 610 x 102	9150	62.2
ZLN202544AC	20 x 25 x 4	19-1/2 x 24-1/2 x 3-3/4	500	0.22	23.20	508 x 635 x 102	9150	62.2
ZLN242444AC	24 x 24 x 4	23-3/8 x 23-3/8 x 3-3/4	500	0.22	27.21	610 x 610 x 102	9150	62.2

Tolerances shall be +/- 1/8" for height, width and +/- 1/16" for depth. Recommended final resistance is 1.00" w. g.

Pleats Per Lineal Foot

DEPTH	CARBOTRON
1"	16
2"	15
4"	11

Media Area to Face Area Ratio

DEPTH	CARBOTRON
1"	1.97
2"	4.40
4"	6.80

The Glasfloss Z-Line Carbotron pleated filter offers MERV 8 particulate filtration combined with odor control in a single unit. The Z-Line Carbotron pleated filter helps reduce unpleasant odors created by cooking, cigarette smoke and numerous other offensive airborne odors. The gradient density media is supported by a galvanized expanded metal that maintains the pleated media pack. The media pack is sealed with a heavy-duty beverage board, die-cut frame.

The Z-Line Carbotron is used in a wide range of residential, commercial and institutional applications and comes in a wide variety of standard and special sizes in 1", 2" and 4" depths. The Z-Line Carbotron is rated under U.L. std. 900.
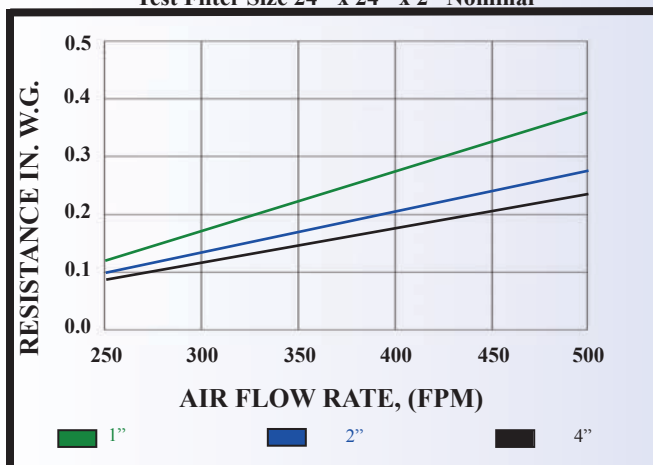
STANDARD PRESSURE DROP
Test Filter Size 24" x 24" x 2" Nominal

RESISTANCE IN. W.G.

AIR FLOW RATE, (FPM)

1"   2"   4"

MINIMUM PARTICLE SIZE EFFICIENCY
Test Filter Size 24" x 24" x 2" Nominal

REMOVAL PERCENTAGE

PARTICLE SIZE, MICRONS
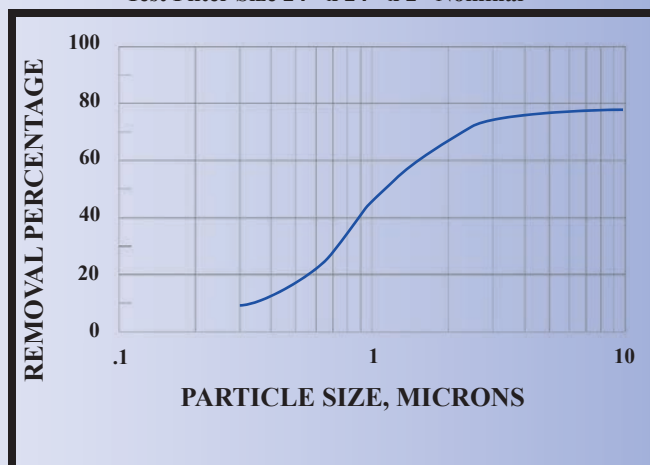
> Z-LINE SERIES CARBOTRON FEATURES

- MERV 8
- Increased Initial Efficiency
- Activated Carbon Reduces Odors
- High Dust-Holding Capacity
- Thermally- Bonded 100% Synthetic Fibers
- Heavy-duty Beverage Board Frame Construction
- Wide Range of Standard & Special Sizes
- Rated under U.L. std. 900

Distributed by:

NAFA National Air Filtration Association

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U L

Glasfloss® Industries
Excellence in Air Filtration Since 1936

The Z-Line Series "CARBOTRON"

PART NUMBER	1" STANDARD SIZES	LIST PRICE	CARTON QUANTITY
ZLN101014AC	10 X 10 X 1	$22.60	12
ZLN102014AC	10 X 20 X 1	$23.74	12
ZLN102414AC	10 X 24 X 1	$36.46	12
ZLN103014AC	10 X 30 X 1	$37.42	12
ZLN121214AC	12 X 12 X 1	$25.68	12
ZLN122014AC	12 X 20 X 1	$24.95	12
ZLN122414AC	12 X 24 X 1	$21.20	12
ZLN122514AC	12 X 25 X 1	$22.70	12
ZLN123014AC	12 X 30 X 1	$37.42	12
ZLN141414AC	14 X 14 X 1	$26.75	12
ZLN142414AC	14 X 24 X 1	$31.74	12
ZLN142014AC	14 X 20 X 1	$22.05	12
ZLN142514AC	14 X 25 X 1	$23.48	12
ZLN143014AC	14 x 30 x 1	$42.59	12
ZLN152014AC	15 X 20 X 1	$22.27	12
ZLN1530K14AC	15 x 30 5/8 x 1	$42.59	12
ZLN161614AC	16 X 16 X 1	$33.10	12
ZLN162014AC	16 X 20 X 1	$22.05	12
ZLN162414AC	16 X 24 X 1	$35.51	12
ZLN162514AC	16 X 25 X 1	$25.78	12
ZLN163014AC	16 x 30 x 1	$42.59	12
ZLN181814AC	18 X 18 X 1	$37.42	12
ZLN182014AC	18 X 20 X 1	$40.50	12
ZLN182414AC	18 X 24 X 1	$28.32	12
ZLN182514AC	18 X 25 X 1	$31.15	12
ZLN183014AC	18 X 30 X 1	$44.62	12
ZLN202014AC	20 X 20 X 1	$25.78	12
ZLN202214AC	20 X 22 X 1	$35.80	12
ZLN202414AC	20 X 24 X 1	$30.90	12
ZLN202514AC	20 X 25 X 1	$30.48	12
ZLN203014AC	20 X 30 X 1	$39.93	12
ZLN222214AC	22 X 22 X 1	$41.54	12
ZLN242414AC	24 X 24 X 1	$34.65	12
ZLN243014AC	24 X 30 X 1	$52.01	12
ZLN252514AC	25 X 25 X 1	$37.09	12

PART NUMBER	2" STANDARD SIZES	LIST PRICE	CARTON QUANTITY
ZLN102024AC	10 X 20 X 2	$24.50	12
ZLN121224AC	12 X 12 X 2	$24.40	12
ZLN122024AC	12 X 20 X 2	$26.06	12
ZLN122424AC	12 X 24 X 2	$28.78	12
ZLN142024AC	14 X 20 X 2	$30.66	12
ZLN142524AC	14 X 25 X 2	$32.66	12
ZLN152024AC	15 X 20 X 2	$31.02	12
ZLN161624AC	16 X 16 X 2	$32.09	12
ZLN162024AC	16 X 20 X 2	$30.51	12
ZLN162424AC	16 X 24 X 2	$40.16	12
ZLN162524AC	16 X 25 X 2	$36.82	12
ZLN181824AC	18 X 18 X 2	$38.51	12
ZLN182024AC	18 X 20 X 2	$41.45	12
ZLN182424AC	18 X 24 X 2	$40.22	12
ZLN182524AC	18 X 25 X 2	$43.44	12
ZLN202024AC	20 X 20 X 2	$36.82	12
ZLN202424AC	20 X 24 X 2	$45.16	12
ZLN202524AC	20 X 25 X 2	$44.39	12
ZLN203024AC	20 X 30 X 2	$47.21	12
ZLN242424AC	24 X 24 X 2	$50.65	12
ZLN252524AC	25 X 25 X 2	$54.18	12

PART NUMBER	4" STANDARD SIZES	LIST PRICE	CARTON QUANTITY
ZLN122444AC	12 X 24 X 4	$43.88	6
ZLN162044AC	16 X 20 X 4	$46.11	6
ZLN162544AC	16 X 25 X 4	$55.65	6
ZLN182444AC	18 X 24 X 4	$60.29	6
ZLN202044AC	20 X 20 X 4	$55.65	6
ZLN202444AC	20 X 24 X 4	$67.59	6
ZLN202544AC	20 X 25 X 4	$67.03	6
ZLN242444AC	24 X 24 X 4	$76.10	6

The Z-Line Series
MADE-TO-ORDER SIZES

CARBOTRON 1"

GROSS AREA SQ. INCHES	Part Number	List Price
LESS THAN 150	ZLNSP14ACA	$32.94
150-199	ZLNSP14ACB	$37.16
200-249	ZLNSP14ACC	$41.85
250-299	ZLNSP14ACD	$46.04
300-399	ZLNSP14ACE	$52.02
400-499	ZLNSP14ACF	$57.80
500-599	ZLNSP14ACG	$62.08
600-699	ZLNSP14ACH	$66.64
700-882	ZLNSP14ACI	$70.51

CARBOTRON 2"

GROSS AREA SQ. INCHES	Part Number	List Price
LESS THAN 150	ZLNSP24ACA	$34.75
150-199	ZLNSP24ACB	$39.25
200-249	ZLNSP24ACC	$44.18
250-299	ZLNSP24ACD	$48.63
300-399	ZLNSP24ACE	$54.91
400-499	ZLNSP24ACF	$61.01
500-599	ZLNSP24ACG	$65.52
600-699	ZLNSP24ACH	$70.37
700-882	ZLNSP24ACI	$74.40

CARBOTRON 4"

GROSS AREA SQ. INCHES	Part Number	List Price
LESS THAN 150	ZLNSP44ACA	$69.84
150-199	ZLNSP44ACB	$79.06
200-249	ZLNSP44ACC	$88.09
250-299	ZLNSP44ACD	$97.19
300-399	ZLNSP44ACE	$109.57
400-499	ZLNSP44ACF	$121.60
500-599	ZLNSP44ACG	$130.71
600-699	ZLNSP44ACH	$139.77
700-882	ZLNSP44ACI	$149.39

Minimum of 12 pieces per size; less than 12 add +40% to each filter.

* DOUBLE SIZE: Z-Line Series "Carbotron" Pleated Filters
If both dimensions are larger than 25", or if either dimension
is larger than 35" it is considered a double size filter.
To figure the price on a double size Carbotron, calculate 1/2 of the square
inches for the desired size and then double the list price.
The maximum length dimension is 96".
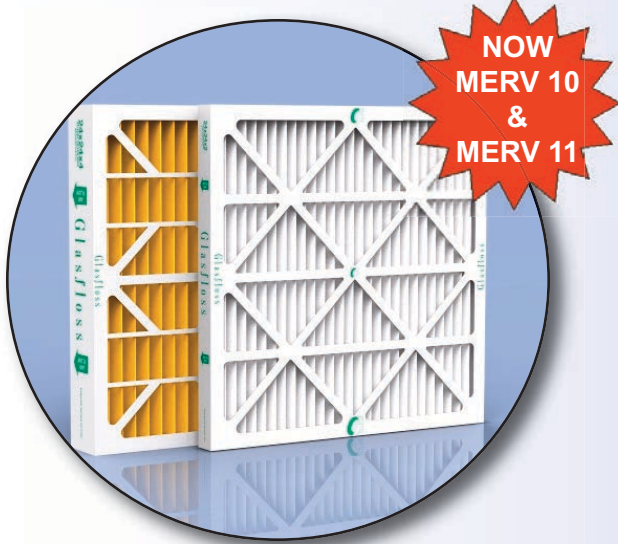
NOW MERV 10 & MERV 11

Z-LINE® SERIES
XM Pleated Filters

- MERV 10 & MERV 11 Performances
- Designed for Higher Air Volume Systems
- Higher Breach Strength
- Heavy-Duty Moisture Resistant Construction
- Extra Heavy-Duty Galvanized Metal Backing
- Standard 1", 2" & 4" Sizes

FEATURES >

The Glasfloss Z-Line Series HVXM and MR11XM pleated filters offer superior integrity construction for higher velocity applications. The Z-Line Series HVXM and MR11XM incorporate 100% synthetic media that will not absorb moisture and will not support microbial growth. The extra heavy-duty galvanized expanded metal which incorporates approximately 75% more support provides robust performance under higher air velocity applications.

Glasfloss Z-Line Series HVXM and MR11XM air filters shall be of the extended-surface pleated-media type. The media utilized shall be made of 100% synthetic fibers. The media shall be pleated in a tapered radial configuration. An extra heavy duty, recycled expanded metal reinforcement shall be laminated to the air-exit 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. The pleated cartridge shall be bonded to the peripheral interior of the outer frame. A heavy-duty moisture-resistant beverage board incorporating post-consumer material shall be utilized for an encasing frame. The frame face shall be internally laminated to the pleated cartridge apexes. The Glasfloss Z-Line Series HVXM shall achieve a MERV 10 and MR11XM shall achieve a MERV 11 per the ANSI/ASHRAE 52.2 Test Standard. Glasfloss Z-Line Series HVXM and MR11XM filters shall be classified under U.L. std. 900 and shall be rated to withstand temperatures up to 180 degrees Fahrenheit.

SPECIFICATIONS <

Die Cut Frame

Double Wall Beverage Board

Extra Heavy-Duty Galvanized Expanded Metal

Synthetic Media

Z-LINE SERIES HVXM & MR11XM STANDARD SIZES

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	
			HVXM	MR11XM				HVXM	MR11XM
10 x 10 x 1	9-1/2 x 9-1/2 x 7/8	300	.18	.24	1.61	254 x 254 x 26	5490	44.8	59.7
10 x 20 x 1	9-1/2 x 19-1/2 x 7/8	300	.18	.24	2.67	254 x 508 x 26	5490	44.8	59.7
10 x 24 x 1	9-1/2 x 23-1/2 x 7/8	300	.18	.24	3.22	254 x 610 x 26	5490	44.8	59.7
10 x 30 x 1	9-5/8 x 29-5/8 x 7/8	300	.18	.24	4.95	254 x 762 x 26	5490	44.8	59.7
12 x 12 x 1	11-1/2 x 11 1/2 x 7/8	300	.18	.24	2.06	305 x 305 x 26	5490	44.8	59.7
12 x 20 x 1	11-1/2 x 19-1/2 x 7/8	300	.18	.24	3.29	305 x 508 x 26	5490	44.8	59.7
12 x 24 x 1	11-3/8 x 23-3/8 x 7/8	300	.18	.24	3.96	305 x 610 x 26	5490	44.8	59.7
12 x 25 x 1	11-1/2 x 24-1/2 x 7/8	300	.18	.24	4.13	305 x 635 x 26	5490	44.8	59.7
12 x 30 x 1	11-5/8 x 29-1/2 x 7/8	300	.18	.24	5.16	305 x 762 x 26	5490	44.8	59.7
14 x 14 x 1	13-1/2 x 13-1/2 x 7/8	300	.18	.24	3.12	356 x 356 x 26	5490	44.8	59.7
14 x 20 x 1	13-1/2 x 19-1/2 x 7/8	300	.18	.24	3.91	356 x 508 x 26	5490	44.8	59.7
14 x 24 x 1	13 1/2 x 23 1/2 x 7/8	300	.18	.24	4.70	356 x 610 x 26	5490	44.8	59.7
14 x 25 x 1	13-1/2 x 24-1/2 x 7/8	300	.18	.24	4.90	356 x 635 x 26	5490	44.8	59.7
14 x 30 x 1	13 5/8 x 29 5/8 x 7/8	300	.18	.24	6.56	356 x 762 x 26	5490	44.8	59.7
15 x 20 x 1	14-1/2 x 19-1/2 x 7/8	300	.18	.24	4.11	381 x 508 x 26	5490	44.8	59.7
15 x 30-5/8 x 1	14-5/8 x 30-1/4 x 7/8	300	.18	.24	10.57	381 x 778 x 26	5490	44.8	59.7
16 x 16 x 1	15-1/2 x 15-1/2 x 7/8	300	.18	.24	3.45	407 x 407 x 26	5490	44.8	59.7
16 x 20 x 1	15-1/2 x 19-1/2 x 7/8	300	.18	.24	4.32	407 x 508 x 26	5490	44.8	59.7
16 x 24 x 1	15-1/2 x 23-1/2 x 7/8	300	.18	.24	5.20	407 x 610 x 26	5490	44.8	59.7
16 x 25 x 1	15-1/2 x 24-1/2 x 7/8	300	.18	.24	5.41	407 x 635 x 26	5490	44.8	59.7
16 x 30 x 1	15-5/8 x 29-5/8 x 7/8	300	.18	.24	6.67	407 x 762 x 26	5490	44.8	59.7
18 x 18 x 1	17-1/2 x 17-1/2 x 7/8	300	.18	.24	4.44	457 x 457 x 26	5490	44.8	59.7
18 x 20 x 1	17-1/2 x 19-1/2 x 7/8	300	.18	.24	4.94	457 x 508 x 26	5490	44.8	59.7
18 x 24 x 1	17-1/2 x 23-1/2 x 7/8	300	.18	.24	5.94	457 x 610 x 26	5490	44.8	59.7
18 x 25 x 1	17-1/2 x 24-1/2 x 7/8	300	.18	.24	6.19	457 x 635 x 26	5490	44.8	59.7
18 x 30 x 1	17-5/8 x 29-5/8 x 7/8	300	.18	.24	8.23	457 x 762 x 26	5490	44.8	59.7
20 x 20 x 1	19-1/2 x 19-1/2 x 7/8	300	.18	.24	5.55	508 x 508 x 26	5490	44.8	59.7
20 x 22 x 1	19-1/2 x 21-7/8 x 7/8	300	.18	.24	6.15	508 x 508 x 26	5490	44.8	59.7
20 x 24 x 1	19-3/8 x 23-3/8 x 7/8	300	.18	.24	6.68	508 x 610 x 26	5490	44.8	59.7
20 x 25 x 1	19-1/2 x 24-1/2 x 7/8	300	.18	.24	6.96	508 x 635 x 26	5490	44.8	59.7
20 x 30 x 1	19-5/8 x 29-5/8 x 7/8	300	.18	.24	8.23	508 x 762 x 26	5490	44.8	59.7
22 x 22 x 1	21-1/2 x 21-1/2 x 7/8	300	.18	.24	7.17	508 x 508 x 26	5490	44.8	59.7
24 x 24 x 1	23-3/8 x 23-3/8 x 7/8	300	.18	.24	7.92	610 x 610 x 26	5490	44.8	59.7
24 x 30 x 1	23-5/8 x 29-5/8 x 7/8	300	.18	.24	9.90	610 x 762 x 26	5490	44.8	59.7
25 x 25 x 1	24-1/2 x 24-1/2 x 7/8	300	.18	.24	8.51	635 x 635 x 26	5490	44.8	59.7

Tolerances shall be +/- 1/8" for height, width and +/- 1/16" for depth. Recommended final resistance is 1.00" w.g.

PRESSURE DROP

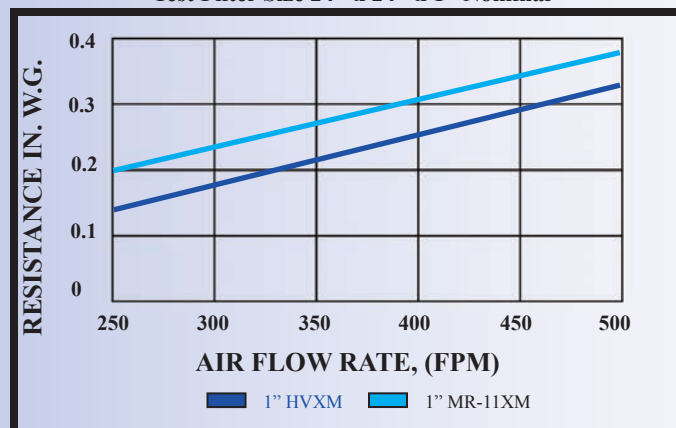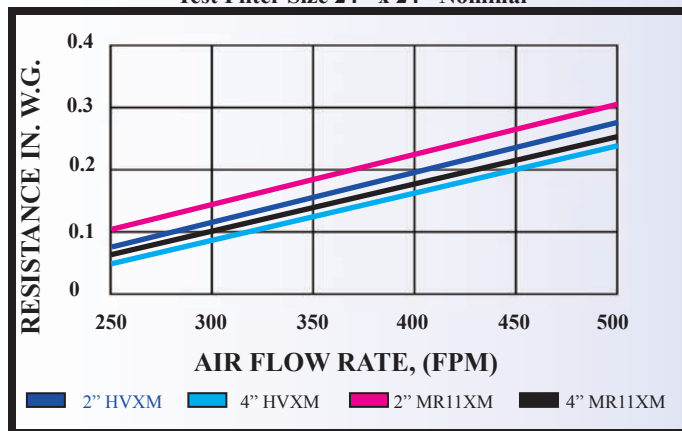**Test Filter Size 24" x 24" x 1" Nominal**

1" HVXM   1" MR-11XM

Z-LINE SERIES HVXM & MR11XM STANDARD SIZES

SIZE W x H x D NOMINAL	SIZE W x H x D EXACT	RATED VELOCITY FPM	INITIAL RESIST. IN. W.G. HVXM	INITIAL RESIST. IN. W.G. MR11XM	MEDIA SQUARE FEET	SIZE W x H x D NOMINAL MM	RATED VELOCITY M/H	INITIAL RESIST. PASCALS HVXM	INITIAL RESIST. PASCALS MR11XM
10 x 20 x 2	9-1/2 x 19-1/2 x 1-3/4	500	.27	.31	6.24	254 x 508 x 51	9150	67.25	77.22
12 x 12 x 2	11-1/2 x 11-1/2 x 1-3/4	500	.27	.31	4.33	305 x 305 x 51	9150	67.25	77.22
12 x 20 x 2	11-1/2 x 19-1/2 x 1-3/4	500	.27	.31	7.20	305 x 508 x 51	9150	67.25	77.22
12 x 24 x 2	11-3/8 x 23-3/8 x 1-3/4	500	.27	.31	8.66	305 x 610 x 51	9150	67.25	77.22
14 x 20 x 2	13-1/2 x 19-1/2 x 1-3/4	500	.27	.31	8.64	356 x 508 x 51	9150	67.25	77.22
14 x 25 x 2	13-1/2 x 24-1/2 x 1-3/4	500	.27	.31	10.83	356 x 635 x 51	9150	67.25	77.22
15 x 20 x 2	14-1/2 x 19-1/2 x 1-3/4	500	.27	.31	9.12	381 x 508 x 51	9150	67.25	77.22
16 x 16 x 2	15-1/2 x 15-1/2 x 1-3/4	500	.27	.31	7.66	406 x 406 x 51	9150	67.25	77.22
16 x 20 x 2	15-1/2 x 19-1/2 x 1-3/4	500	.27	.31	9.60	406 x 508 x 51	9150	67.25	77.22
16 x 24 x 2	15-1/2 x 23-1/2 x 1-3/4	500	.27	.31	11.55	406 x 610 x 51	9150	67.25	77.22
16 x 25 x 2	15-1/2 x 24-1/2 x 1-3/4	500	.27	.31	12.03	406 x 635 x 51	9150	67.25	77.22
18 x 18 x 2	17-1/2 x 17-1/2 x 1-3/4	500	.27	.31	9.92	457 x 457 x 51	9150	67.25	77.22
18 x 20 x 2	17-1/2 x 19-1/2 x 1-3/4	500	.27	.31	11.04	457 x 508 x 51	9150	67.25	77.22
18 x 24 x 2	17-1/2 x 23-1/2 x 1-3/4	500	.27	.31	13.28	457 x 610 x 51	9150	67.25	77.22
18 x 25 x 2	17-1/2 x 24-1/2 x 1-3/4	500	.27	.31	13.84	457 x 635 x 51	9150	67.25	77.22
20 x 20 x 2	19-1/2 x 19-1/2 x 1-3/4	500	.27	.31	12.00	508 x 508 x 51	9150	67.25	77.22
20 x 24 x 2	19-3/8 x 23-3/8 x 1-3/4	500	.27	.31	14.43	508 x 610 x 51	9150	67.25	77.22
20 x 25 x 2	19-1/2 x 24-1/2 x 1-3/4	500	.27	.31	15.04	508 x 635 x 51	9150	67.25	77.22
20 x 30 x 2	19-5/8 x 29-5/8 x 1-3/4	500	.27	.31	18.24	508 x 762 x 51	9150	67.25	77.22
24 x 24 x 2	23-3/8 x 23-3/8 x 1-3/4	500	.27	.31	17.61	610 x 610 x 51	9150	67.25	77.22
25 x 25 x 2	24-1/2 x 24-1/2 x 1-3/4	500	.27	.31	18.65	635 x 635 x 51	9150	67.25	77.22
12 x 24 x 4	11-3/8 x 23-3/8 x 3-3/4	500	.22	.25	13.61	457 x 610 x 102	9150	54.80	62.27
16 x 20 x 4	15-1/2 x 19-1/2 x 3-3/4	500	.22	.25	15.43	406 x 508 x 102	9150	54.80	62.27
16 x 25 x 4	15-1/2 x 24-1/2 x 3-3/4	500	.22	.25	19.34	406 x 635 x 102	9150	54.80	62.27
18 x 24 x 4	17-1/2 x 23-1/2 x 3-3/4	500	.22	.25	21.03	457 x 610 x 102	9150	54.80	62.27
20 x 20 x 4	19-1/2 x 19-1/2 x 3-3/4	500	.22	.25	18.52	508 x 508 x 102	9150	54.80	62.27
20 x 24 x 4	19-3/8 x 23-3/8 x 3-3/4	500	.22	.25	22.27	508 x 610 x 102	9150	54.80	62.27
20 x 25 x 4	19-1/2 x 24-1/2 x 3-3/4	500	.22	.25	23.20	508 x 635 x 102	9150	54.80	62.27
24 x 24 x 4	23-3/8 x 23-3/8 x 3-3/4	500	.22	.25	27.21	610 x 610 x 102	9150	54.80	62.27

Tolerances shall be +/- 1/8" for height, width and +/- 1/16" for depth. Recommended final resistance is 1.00" w.g.

PRESSURE DROP

Test Filter Size 24" x 24" Nominal

RESISTANCE IN. W.G. vs AIR FLOW RATE, (FPM)

Legend: 2" HVXM · 4" HVXM · 2" MR11XM · 4" MR11XM

MINIMUM PARTICLE SIZE EFFICIENCY

Test Filter Size 24" x 24" x 2" Nominal

REMOVAL PERCENTAGE vs PARTICLE SIZE, MICRONS

Legend: HVXM · MR11XM
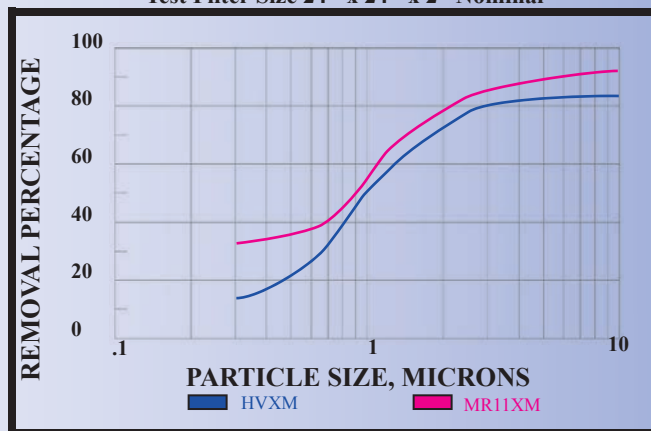
[Z-LINE® SERIES
XM Pleated Filters]

- MERV 10 & MERV 11 Performances
- Designed for Higher Air Volume Systems
- Higher Breach Strength
- Heavy-Duty Moisture Resistant Construction
- Extra Heavy-Duty Galvanized Metal Backing
- Standard 1", 2" & 4" Sizes

Standard size 4" thick XM pleated filters incorporate media separators.
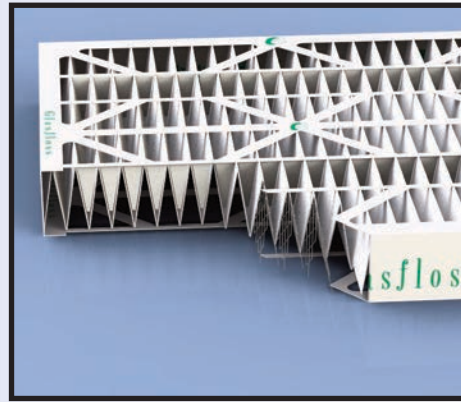
Glasfloss Industries incorporates color-coded carton labels on standard sizes to help identify the product, which enhance warehouse operations and shipments.

12 PIECES	12 PIECES
HV PLEAT	MR-11 PLEAT
WITH HEAVY EXPANDED METAL	MERV 11 WITH HEAVY EXPANDED METAL
20X20X2	24X24X2
PART# HVP20202XM	PART# M1124242XM
Glasfloss Industries www.glasfloss.com MADE IN U.S.A	Glasfloss Industries www.glasfloss.com MADE IN U.S.A

Glasfloss manufactures a variety of medium and high efficiency air filters which can be specified for LEED certification applications. For specific information on these products, please contact your local Glasfloss Sales Representative.

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NAFA National Air Filtration Association

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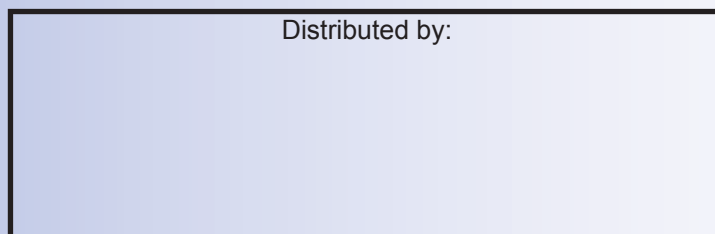
The Z-Line Series "HVXM" and "MR11XM"

HVXM

PART #	1" STD SIZES	LIST PRICE	CTN QTY	CTN WT
HVP10101XM	10x10x1	$8.96	12	8 LB.
HVP10201XM	10x20x1	$9.44	12	11 LB.
HVP10241XM	10x24x1	$16.15	12	12 LB.
HVP10301XM	10x30x1	$16.50	12	12 LB.
HVP12121XM	12x12x1	$11.44	12	8 LB.
HVP12201XM	12x20x1	$9.68	12	12 LB.
HVP12241XM	12x24x1	$9.95	12	11 LB.
HVP12251XM	12x25x1	$10.65	12	11 LB.
HVP12301XM	12x30x1	$16.50	12	12 LB.
HVP14141XM	14x14x1	$11.82	12	9 LB.
HVP14201XM	14x20x1	$10.11	12	11 LB.
HVP14241XM	14x24x1	$16.87	12	12 LB.
HVP14251XM	14x25x1	$10.90	12	12 LB.
HVP14301XM	14x30x1	$17.84	12	12 LB.
HVP15201XM	15x20x1	$10.04	12	11 LB.
HVP1530K1XM	15x30-5/8x1	$17.84	12	14 LB.
HVP16161XM	16x16x1	$14.67	12	11 LB.
HVP16201XM	16x20x1	$9.65	12	11 LB.
HVP16241XM	16x24x1	$14.21	12	12 LB.
HVP16251XM	16x25x1	$10.70	12	12 LB.
HVP16301XM	16x30x1	$17.84	12	14 LB.
HVP18181XM	18x18x1	$16.50	12	11 LB.
HVP18201XM	18x20x1	$15.10	12	17 LB.
HVP18241XM	18x24x1	$12.41	12	14 LB.
HVP18251XM	18x25x1	$12.39	12	18 LB.
HVP18301XM	18x30x1	$19.72	12	14 LB.
HVP20201XM	20x20x1	$10.83	12	12 LB.
HVP20221XM	20x22x1	$16.50	12	12 LB.
HVP20241XM	20x24x1	$12.32	12	14 LB.
HVP20251XM	20x25x1	$12.05	12	14 LB.
HVP20301XM	20x30x1	$16.24	12	15 LB.
HVP22221XM	22x22x1	$18.39	12	12 LB.
HVP24241XM	24x24x1	$14.08	12	17 LB.
HVP24301XM	24x30x1	$21.74	12	23 LB.
HVP25251XM	25x25x1	$15.11	12	23 LB.

PART #	2" STD SIZES	LIST PRICE	CTN QTY	CTN WT
HVP10202XM	10x20x2	$11.11	12	15 LB.
HVP12122XM	12x12x2	$11.63	12	13 LB.
HVP12202XM	12x20x2	$11.77	12	17 LB.
HVP12242XM	12x24x2	$11.06	12	15 LB.
HVP14202XM	14x20x2	$11.27	12	15 LB.
HVP14252XM	14x25x2	$12.37	12	20 LB.
HVP15202XM	15x20x2	$11.69	12	17 LB.
HVP16162XM	16x16x2	$15.05	12	18 LB.
HVP16202XM	16x20x2	$11.25	12	18 LB.
HVP16242XM	16x24x2	$14.35	12	21 LB.
HVP16252XM	16x25x2	$12.93	12	21 LB.
HVP18182XM	18x18x2	$18.64	12	18 LB.
HVP18202XM	18x20x2	$15.43	12	23 LB.
HVP18242XM	18x24x2	$14.93	12	23 LB.
HVP18252XM	18x25x2	$16.11	12	26 LB.
HVP20202XM	20x20x2	$13.24	12	20 LB.
HVP20242XM	20x24x2	$15.56	12	26 LB.
HVP20252XM	20x25x2	$15.27	12	26 LB.
HVP20302XM	20x30x2	$22.94	12	27 LB.
HVP24242XM	24x24x2	$17.30	12	29 LB.
HVP25252XM	25x25x2	$20.29	12	33 LB.

PART #	4" STD SIZES	LIST PRICE	CTN QTY	CTN WT
HVP12244XM	12x24x4	$19.27	6	14 LB.
HVP16204XM	16x20x4	$19.26	6	16 LB.
HVP16254XM	16x25x4	$22.44	6	19 LB.
HVP18244XM	18x24x4	$24.59	6	21 LB.
HVP20204XM	20x20x4	$23.02	6	17 LB.
HVP20244XM	20x24x4	$25.97	6	22 LB.
HVP20254XM	20x25x4	$25.54	6	21 LB.
HVP24244XM	24x24x4	$29.08	6	25 LB.

MR11XM

PART #	1" STD SIZES	LIST PRICE	CTN QTY	CTN WT
M1110101XM	10x10x1	$13.38	12	8 LB.
M1110201XM	10x20x1	$14.08	12	11 LB.
M1110241XM	10x24x1	$20.57	12	12 LB.
M1110301XM	10x30x1	$21.02	12	12 LB.
M1112121XM	12x12x1	$15.22	12	8 LB.
M1112201XM	12x20x1	$14.53	12	12 LB.
M1112241XM	12x24x1	$13.23	12	18 LB.
M1112251XM	12x25x1	$14.18	12	18 LB.
M1112301XM	12x30x1	$21.02	12	15 LB.
M1114141XM	14x14x1	$15.10	12	9 LB.
M1114201XM	14x20x1	$13.54	12	12 LB.
M1114241XM	14x24x1	$22.44	12	12 LB.
M1114251XM	14x25x1	$14.53	12	14 LB.
M1114301XM	14x30x1	$22.74	12	14 LB.
M1115201XM	15x20x1	$13.36	12	12 LB.
M111530K1XM	15x30-5/8x1	$22.74	12	17 LB.
M1116161XM	16x16x1	$19.76	12	9 LB.
M1116201XM	16x20x1	$12.90	12	12 LB.
M1116241XM	16x24x1	$18.50	12	12 LB.
M1116251XM	16x25x1	$14.28	12	14 LB.
M1116301XM	16x30x1	$22.74	12	17 LB.
M1118181XM	18x18x1	$21.02	12	11 LB.
M1118201XM	18x20x1	$19.76	12	17 LB.
M1118241XM	18x24x1	$16.59	12	14 LB.
M1118251XM	18x25x1	$18.50	12	18 LB.
M1118301XM	18x30x1	$25.17	12	18 LB.
M1120201XM	20x20x1	$14.44	12	14 LB.
M1120221XM	20x22x1	$20.13	12	14 LB.
M1120241XM	20x24x1	$16.40	12	17 LB.
M1120251XM	20x25x1	$16.17	12	17 LB.
M1120301XM	20x30x1	$21.67	12	17 LB.
M1122221XM	22x22x1	$23.44	12	14 LB.
M1124241XM	24x24x1	$18.84	12	17 LB.
M1124301XM	24x30x1	$27.76	12	23 LB.
M1125251XM	25x25x1	$22.54	12	23 LB.

PART #	2" STD SIZES	LIST PRICE	CTN QTY	CTN WT
M1110202XM	10x20x2	$14.50	12	16 LB.
M1112122XM	12x12x2	$14.99	12	14 LB.
M1112202XM	12x20x2	$15.37	12	18 LB.
M1112242XM	12x24x2	$14.61	12	16 LB.
M1114202XM	14x20x2	$14.99	12	16 LB.
M1114252XM	14x25x2	$16.30	12	21 LB.
M1115202XM	15x20x2	$15.49	12	18 LB.
M1116162XM	16x16x2	$19.84	12	19 LB.
M1116202XM	16x20x2	$14.87	12	19 LB.
M1116242XM	16x24x2	$19.06	12	22 LB.
M1116252XM	16x25x2	$17.16	12	22 LB.
M1118182XM	18x18x2	$24.03	12	19 LB.
M1118202XM	18x20x2	$20.38	12	24 LB.
M1118242XM	18x24x2	$19.78	12	24 LB.
M1118252XM	18x25x2	$20.96	12	27 LB.
M1120202XM	20x20x2	$17.45	12	21 LB.
M1120242XM	20x24x2	$20.57	12	27 LB.
M1120252XM	20x25x2	$20.17	12	27 LB.
M1120302XM	20x30x2	$29.49	12	28 LB.
M1124242XM	24x24x2	$22.88	12	30 LB.
M1125252XM	25x25x2	$26.51	12	34 LB.

PART #	4" STD SIZES	LIST PRICE	CTN QTY	CTN WT
M1112244XM	12x24x4	$26.46	6	15 LB.
M1116204XM	16x20x4	$25.91	6	17 LB.
M1116254XM	16x25x4	$30.21	6	20 LB.
M1118244XM	18x24x4	$33.09	6	22 LB.
M1120204XM	20x20x4	$30.97	6	18 LB.
M1120244XM	20x24x4	$36.05	6	23 LB.
M1120254XM	20x25x4	$35.48	6	22 LB.
M1124244XM	24x24x4	$40.38	6	26 LB.

Glasfloss® Industries
Excellence in Air Filtration Since 1936

The Z-Line Series
"1000 SERIES"

PART NUMBER	STANDARD SIZES	LIST PRICE	CARTON QUANTITY
ZLN12242HT	12x24x2	$45.64	12
ZLN16202HT	16x20x2	$47.21	12
ZLN16252HT	16x25x2	$52.45	12
ZLN20202HT	20x20x2	$52.45	12
ZLN20252HT	20x25x2	$57.38	12
ZLN24242HT	24x24x2	$66.88	12
ZLN12244HT	12x24x4	$63.58	6
ZLN16204HT	16x20x4	$70.95	6
ZLN16254HT	16x25x4	$81.37	6
ZLN20204HT	20x20x4	$81.37	6
ZLN20254HT	20x25x4	$92.35	6
ZLN24244HT	24x24x4	$99.59	6

Z-Line 1000 Series shall be rated to withstand temperatures up to 300 F.

(PRODUCT DATA SHEET ON BACKSIDE)

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Z-LINE®1000 SERIES

SPECIFICATIONS:

The Glasfloss Z-Line 1000 air filter shall be of the extended surface pleated type. The media utilized shall be a micro fiberglass blend. The media shall be pleated in a tapered radial configuration. An expanded metal reinforcement shall be applied to the air leaving and air entry side of the media to maintain continuity of the radial pleats. The expanded metal shall be galvanized to resist rust and corrosion. A heavy-duty aluminized steel shall be utilized as an encasing frame. No glue shall be used in this product. Maximum operating temperature up to 300 Fahrenheit. All Glasfloss Z-Line 1000 Series filters shall be Classified under U.L. Std. 900.
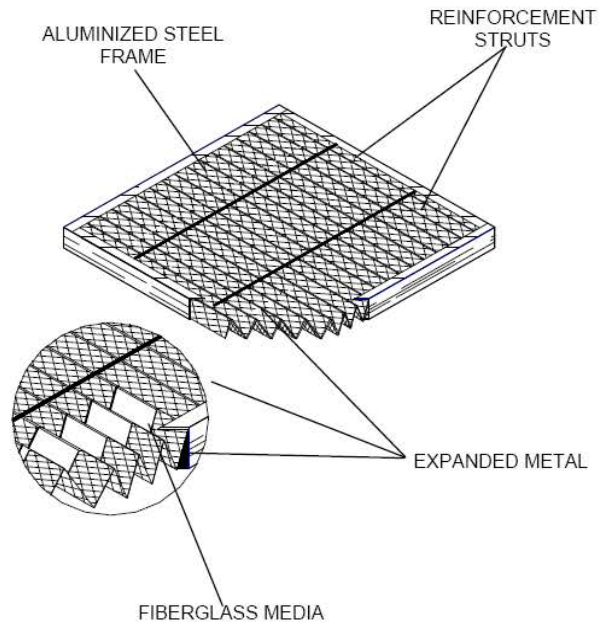
PARTICLE SIZE EFFICIENCY
Test filter size 24x24x2
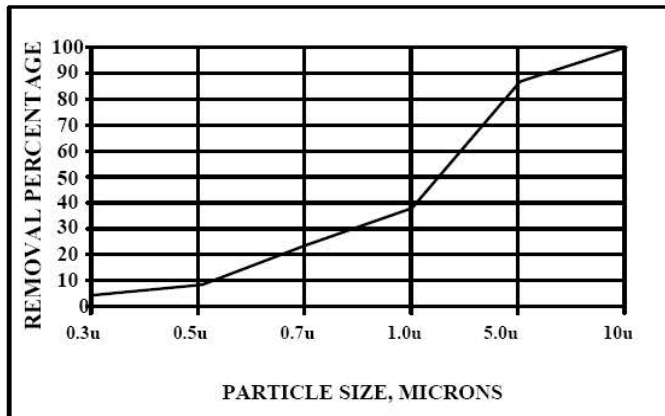
STANDARD PRESSURE DROP
Test filter size 24x24x2
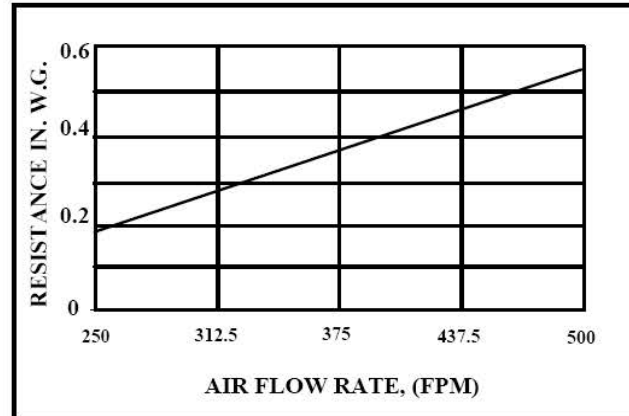
Glasfloss®
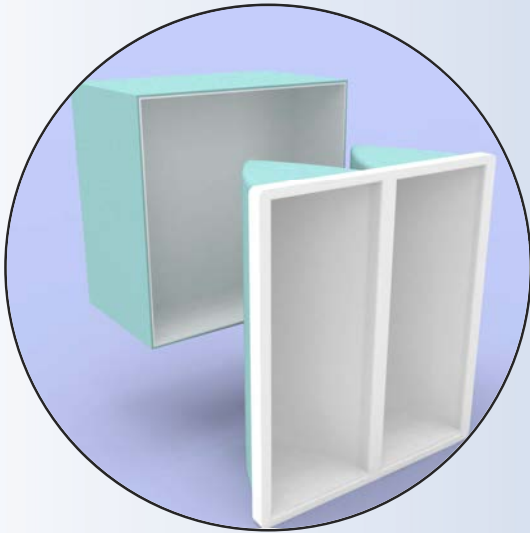
QUAD & CUBE FILTERS

- Versatile, Self-Seal Design
- Heavy-Duty Construction
- High Moisture Resitance and Durability

FEATURES >

The Glasfloss line of polyester bag filters offers medium efficiency in a wide range of applications. The rigid, self-seal design of these filters helps prevent air bypass and allows the filters to operate under adverse conditions, especially where high humidity is present. The Glasfloss Quad 440 features a two-stage 100% non-woven green/white polyester media for maximum efficiency and service life. The open fibers on the intake layer catch the larger particles allowing the finer particles to be caught by the dense outflow layer. The Glasfloss Quad 420 yellow media is less restrictive to airflow and performs well in moderate dust loading applications. Glasfloss Cube Filters feature the same two-stage polyester media found in the Quad 440 and are available in regular, internal supported and unitized construction. Glasfloss Quad & Cube Filters perform well in both variable and constant volume systems.

Quad 440 & 420 extended surface air filters shall be manufactured of 100% non-woven polyester. The air entering side shall be a highly lofted, coarse fiber, designed to facilitate the depth loading of dirt particles, thus acting as an integral prefilter for the more dense second stage. The air leaving side shall incorporate a skin backing. The filter shall be manufactured to fit existing hardware and shall retain rigidity under varying air volumes. The outer and center edges of the individual pockets shall be thermally sealed. The pockets are sewn together and supported by a heavy-duty cross wire, which insures maximum rigidity and eliminates the possibility of element detachment. There shall be sufficient media overlap to ensure a positive seal between the filter and holding frame, eliminating the possibility of air bypass and the need for supplemental gasketing. All filters shall incorporate media that is classified under U.L. std. 900. The Quad 440 shall achieve a MERV 7 rating when tested in accordance with the ANSI/ASHRAE 52.2 Test Standard.

< SPECIFICATIONS

100% NON-WOVEN POLYESTER MEDIA

INTERNAL WIRE SUPPORT
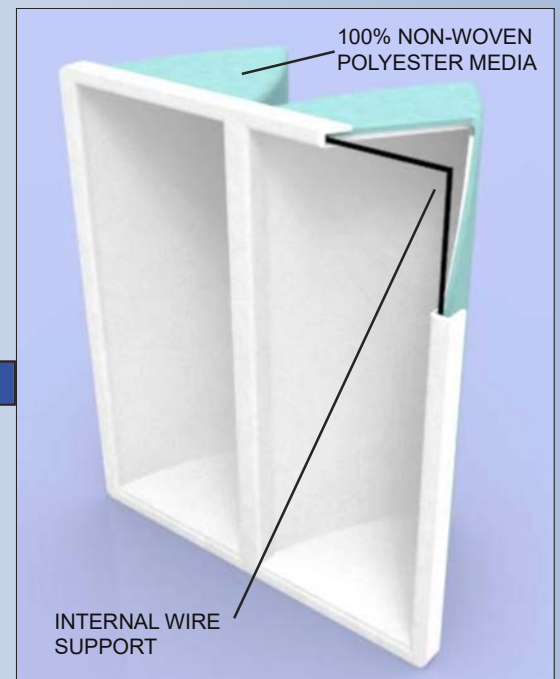
QUAD 440 & 420 FILTERS

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.		MEDIA SQUARE FEET	SIZE W x H x D NOMINAL MM	RATED VELOCITY M/H	INITIAL RESIST. PASCALS	
				420	440				420	440
QAD122415	12 x 24 x 15	11-3/8 x 23-3/8 x 14-7/8	500	.16	.18	13.70	305 x 610 x 381	5150	39.8	62.2
QAD162015	16 x 20 x 15	15-1/2 x 19-1/2 x 14-7/8	500	.16	.18	11.90	406 x 508 x 381	5150	39.8	62.2
QAD162515	16 x 25 x 15	15-1/2 x 24-1/2 x 14-7/8	500	.16	.18	15.20	406 x 635 x 381	5150	39.8	62.2
QAD202015	20 x 20 x 15	19-1/2 x 19-1/2 x 14-7/8	500	.16	.18	12.70	508 x 508 x 381	5150	39.8	62.2
QAD202415	20 x 24 x 15	19-1/2 x 23-1/2 x 14-7/8	500	.16	.18	14.70	508 x 610 x 381	5150	39.8	62.2
QAD202515	20 x 25 x 15	19-1/2 x 24-1/2 x 14-7/8	500	.16	.18	15.20	508 x 635 x 381	5150	39.8	62.2
QAD242415	24 x 24 x 15	23-3/8 x 23-3/8 x 14-7/8	500	.16	.18	15.60	610 x 610 x 381	5150	39.8	62.2

Tolerances shall be +/- 1/16" for width and height.

POLY CUBE FILTERS

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.	MEDIA SQUARE FEET Std. Unit.	SIZE W x H x D NOMINAL MM	RATED VELOCITY M/H	INITIAL RESIST. PASCALS
QUB12248	12 x 24 x 8	11-3/8 x 23-3/8 x 7-7/8	500	.23	7.00	305 x 610 x 203	5150	57.22
QUB16208	16 x 20 x 8	15-1/2 x 19-1/2 x 7-7/8	500	.23	7.22	406 x 508 x 203	5150	57.22
QUB16258	16 x 25 x 8	15-1/2 x 24-1/2 x 7-7/8	500	.23	8.47	406 x 635 x 203	5150	57.22
QUB20208	20 x 20 x 8	19-1/2 x 19-1/2 x 7-7/8	500	.23	8.33	508 x 508 x 203	5150	57.22
QUB20258	20 x 25 x 8	19-1/2 x 24-1/2 x 7-7/8	500	.23	9.72	508 x 635 x 203	5150	57.22
QUB24248	24 x 24 x 8	23-3/8 x 23-3/8 x 7-7/8	500	.23	10.67	610 x 610 x 203	5150	57.22
QUB122411	12 x 24 x 11	11-3/8 x 23-3/8 x 10-7/8	500	.22	8.50	305 x 610 x 280	5150	54.73
QUB162011	16 x 20 x 11	15-1/2 x 19-1/2 x 10-7/8	500	.22	8.72	406 x 508 x 280	5150	54.73
QUB162511	16 x 25 x 11	15-1/2 x 24-1/2 x 10-7/8	500	.22	10.18	406 x 635 x 280	5150	54.73
QUB202011	20 x 20 x 11	19-1/2 x 19-1/2 x 10-7/8	500	.22	10.00	508 x 508 x 280	5150	54.73
QUB202511	20 x 25 x 11	19-1/2 x 24-1/2 x 10-7/8	500	.22	11.60	508 x 635 x 280	5150	54.73
QUB242411	24 x 24 x 11	23-3/8 x 23-3/8 x 10-7/8	500	.22	12.67	610 x 610 x 280	5150	54.73
QUB122420	12 x 24 x 20	11-3/8 x 23-3/8 x 19-7/8	500	.20	13.00	305 x 610 x 508	5150	49.76
QUB162020	16 x 20 x 20	15-1/2 x 19-1/2 x 19-7/8	500	.20	13.22	406 x 508 x 508	5150	49.76
QUB162520	16 x 25 x 20	15-1/2 x 24-1/2 x 19-7/8	500	.20	15.31	406 x 635 x 508	5150	49.76
QUB202020	20 x 20 x 20	19-1/2 x 19-1/2 x 19-7/8	500	.20	15.00	508 x 508 x 508	5150	49.76
QUB202520	20 x 25 x 20	19-1/2 x 24-1/2 x 19-7/8	500	.20	17.22	508 x 635 x 508	5150	49.76
QUB242420	24 x 24 x 20	23-3/8 x 23-3/8 x 19-7/8	500	.20	18.67	610 x 610 x 508	5150	49.76

Tolerances shall be +/- 1/16" for width and height. Recommended final resistance is 1.00" w.g.

UNITIZED POLY CUBE FILTERS

BASE MODEL NUMBER	SIZE W x H x D NOMINAL	SIZE W x H x D EXACT	RATED VEL. FPM	INITIAL RESIST. IN. W.G.	MEDIA SQUARE FEET	SIZE W x H x D NOMINAL MM	RATED VELOCITY M/H	INITIAL RESIST. PASCALS
QUB1224154USS	12 x 24 x 15	11-3/8 x 23-3/8 x 14-7/8	500	.20	8.50	305 x 610 x 381	5150	49.76
QUB1620154USS	16 x 20 x 15	15-1/2 x 19-1/2 x 14-7/8	500	.20	8.50	406 x 508 x 381	5150	49.76
QUB1625154USS	16 x 25 x 15	15-1/2 x 24-1/2 x 14-7/8	500	.20	9.68	406 x 635 x 381	5150	49.76
QUB2020154USS	20 x 20 x 15	19-1/2 x 19-1/2 x 14-7/8	500	.20	9.44	508 x 508 x 381	5150	49.76
QUB2024154USS	20 x 24 x 15	19-1/2 x 23-1/2 x 14-7/8	500	.20	10.39	508 x 610 x 280	5150	49.76
QUB2025154USS	20 x 25 x 15	19-1/2 x 24-1/2 x 14-7/8	500	.20	10.63	508 x 635 x 381	5150	49.76
QUB2424154USS	24 x 24 x 15	23-3/8 x 23-3/8 x 14-7/8	500	.20	11.33	610 x 610 x 381	5150	49.76

Tolerances shall be +/- 1/16" for width and height. Recommended final resistance is 1.00" w.g.

> SPECIFICATIONS FOR CUBE FILTERS

Glasfloss Standard, Internal Supported and Unitized Cubes shall be made from 100% non-woven polyester fibers. The uniform fiber orientation and graduated density lends itself to greater depth loading and higher arrestance. The air entering side shall be a highly lofted, coarse fiber, designed to facilitate the depth loading of dirt particles, thus acting as an integral prefilter for the more dense second stage. The air leaving side shall incorporate a skin backing. Glasfloss Cubes shall be green and white in color, white being the air entry side. There shall be a skin backing on the air leaving side. Internal Supported and Unitized Cubes are constructed using a heavy gauge wire support frame. The media blanket completely encloses the perimeter wire and offers a self-sealing, self-supporting filter. Standard, Internal Supported and Unitized Cubes are engineered for use in temperatures up to 250 degrees Fahrenheit (121 degrees Celsius). Glasfloss Cubes achieve a MERV 7 rating when tested in accordance with the ANSI/ASHRAE 52.2 Test Standard.

STANDARD PRESSURE DROP
Test Filter Size 24" x 24" Nominal

QUAD 440   QUAD 420

MINIMUM PARTICLE SIZE EFFICIENCY
Test Filter Size 24" x 24" Nominal
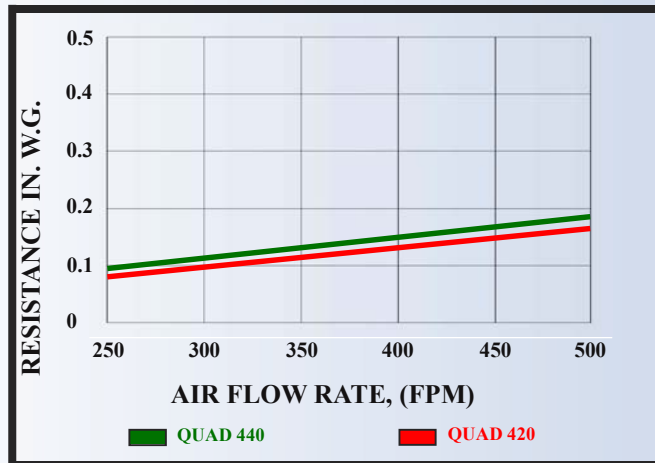
QUAD 440   QUAD 420

STANDARD PRESSURE DROP
Test Filter Size 24" x 24" Nominal

STANDARD CUBE   UNITIZED CUBE

MINIMUM PARTICLE SIZE EFFICIENCY
Test Filter Size 24" x 24" Nominal

CUBES

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Standard Cube	Internal Supported Cube	Unitized Cube
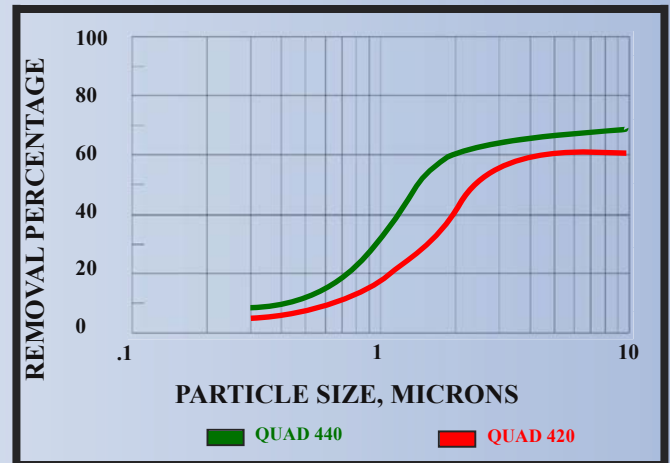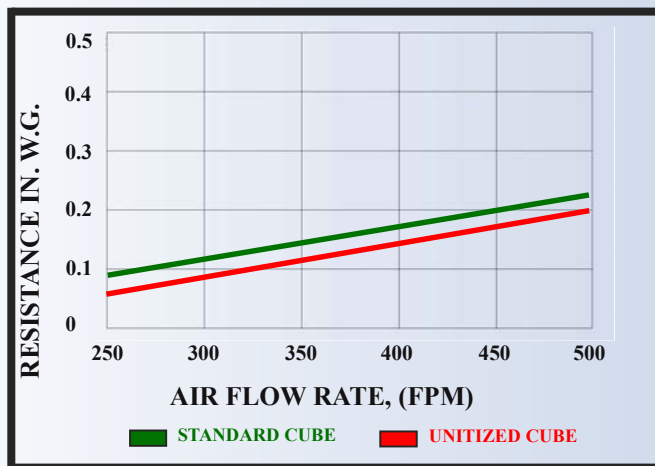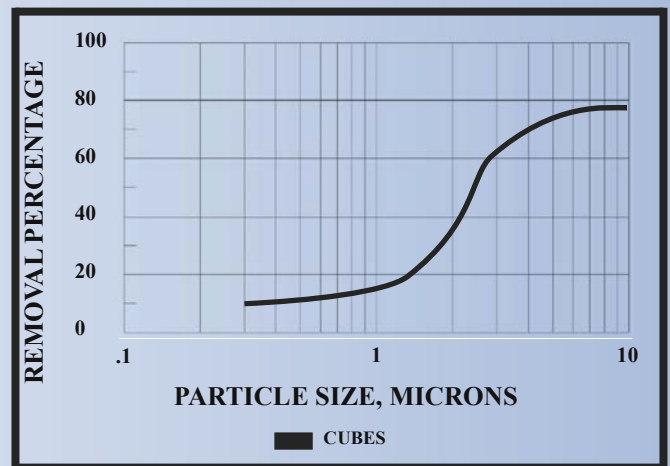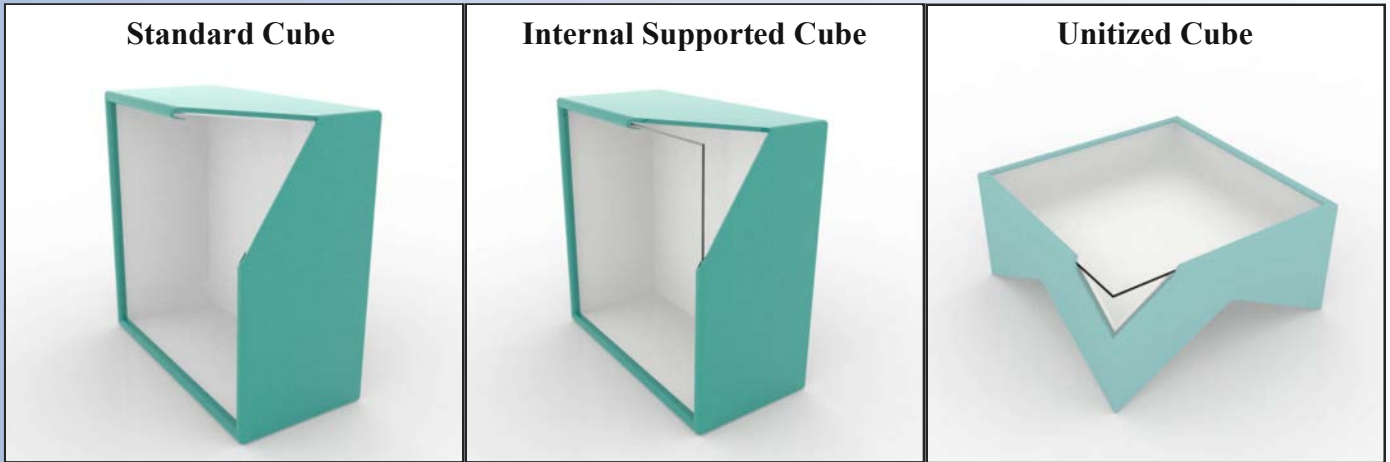
Quads - Glasfloss Quad 440 and Quad 420 filters are made with 100% non-woven polyester media. Glasfloss Quad 440 features a special, two-stage green/white media and Quad 420 features a dual-textured fiber blend yellow media. A header option is also available.

Cubes - Glasfloss Cube filters are made with a two-stage 100% non-woven polyster media. The seams of all Glasfloss Cubes are sewn together for maximum durability. The Internal Supported Cubes use a heavy-duty

< **CONSTRUCTION**

These versatile air filters can be used in a wide range of industrial and commercial applications, both as primary filters and pre-filters to more efficient final filters. Their self-seal design and high dust-holding capacity make them a good choice for automatic roll conversions. Glasfloss Quad and Cube filters are also ideal for high-moisture applications, and they perform well in variable air volume systems.

< **APPLICATIONS**

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NAFA National Air Filtration Association

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PHOENIX SERIES EXTENDED SURFACE FILTERS
QUAD 440 & 420 FILTERS

Standard Sizes	Self Sealing Part Number	Quad 440	Self Sealing Part Number	Quad 420
12 x 24 x 15	QAD1224154SS	$46.49	QAD1224152SS	$32.30
16 x 20 x 15	QAD1620154SS	$42.65	QAD1620152SS	$30.84
16 x 25 x 15	QAD1625154SS	$45.74	QAD1625152SS	$32.56
20 x 20 x 15	QAD2020154SS	$45.74	QAD2020152SS	$32.56
20 x 24 x 15	QAD2024154SS	$51.07	QAD2024152SS	$35.08
20 x 25 x 15	QAD2025154SS	$51.07	QAD2025152SS	$35.08
24 x 24 x 15	QAD2424154SS	$51.67	QAD2424152SS	$35.73

Available with header. Add $6.00 to List Price. Delete 'SS' in the Part Number & add 'HDR' for Header identification.

POLY CUBE FILTERS

Standard Sizes	PART NUMBER	Standard	PART NUMBER	Internal Support
12 x 24 x 8	QUB12248	$13.81	QUB12248IS	$18.03
16 x 20 x 8	QUB16208	$18.98	QUB16208IS	$27.98
16 x 25 x 8	QUB16258	$22.44	QUB16258IS	$31.29
20 x 20 x 8	QUB20208	$20.76	QUB20208IS	$29.60
20 x 25 x 8	QUB20258	$24.19	QUB20258IS	$32.91
24 x 24 x 8	QUB24248	$27.62	QUB24248IS	$36.13
12 x 24 x 11	QUB122411	$15.57	QUB122411IS	$19.76
16 x 20 x 11	QUB162011	$24.19	QUB162011IS	$32.91
16 x 25 x 11	QUB162511	$27.29	QUB162511IS	$35.87
20 x 20 x 11	QUB202011	$24.84	QUB202011IS	$33.56
20 x 25 x 11	QUB202511	$28.35	QUB202511IS	$36.79
24 x 24 x 11	QUB242411	$31.08	QUB242411IS	$39.51
12 x 24 x 20	QUB122420	$17.29	QUB122420IS	$21.40
16 x 20 x 20	QUB162020	$34.51	QUB162020IS	$42.82
16 x 25 x 20	QUB162520	$34.51	QUB162520IS	$42.82
20 x 20 x 20	QUB202020	$34.51	QUB202020IS	$42.82
20 x 25 x 20	QUB202520	$35.23	QUB202520IS	$43.43
24 x 24 x 20	QUB242420	$44.92	QUB242420IS	$52.62

When ordering specify standard or internal support cube.

UNITIZED POLY CUBE

Standard Sizes	Self Sealing Part Number	440	Self Sealing Part Number	420
12 x 24 x 15	QUB1224154USS	$46.49	QUB1224152USS	$32.30
16 x 20 x 15	QUB1620154USS	$42.65	QUB1620152USS	$30.84
16 x 25 x 15	QUB1625154USS	$45.74	QUB1625152USS	$32.56
20 x 20 x 15	QUB2020154USS	$45.74	QUB2020152USS	$32.56
20 x 24 x 15	QUB2024154USS	$51.07	QUB2024152USS	$35.08
20 x 25 x 15	QUB2025154USS	$51.07	QUB2025152USS	$35.08
24 x 24 x 15	QUB2424154USS	$51.67	QUB2424152USS	$35.73

Available with header. Add $6.00 to List Price. Delete 'SS' in the Part Number & add 'HDR' for Header.

K-PAK FILTERS
(Replacement for Hi-Caps and Side Caps)

Standard Sizes	Dual-Ply Part Number	Dual-Ply List Price	One-Ply Part Number	Single-Ply List Price
12 x 24 x 9	KPK12249D	$19.16	KPK12249O	$15.35
16 x 20 x 9	KPK16209D	$26.92	KPK16209O	$19.16
16 x 25 x 9	KPK16259D	$30.60	KPK16259O	$23.04
20 x 20 x 9	KPK20209D	$26.92	KPK20209O	$19.16
20 x 25 x 9	KPK20259D	$30.60	KPK20259O	$23.05
20 x 24 x 9	KPK20249D	$30.60	KPK20249O	$23.05
24 x 24 x 9	KPK24249D	$38.31	KPK24249O	$30.60
12 x 24 x 15	KPK122415D	$28.76	KPK122415O	$19.16
20 x 20 x 15	KPK202015D	$46.11	KPK202015O	$26.92
20 x 24 x 15	KPK202415D	$49.83	KPK202415O	$30.60
20 x 25 x 15	KPK202515D	$49.83	KPK202515O	$30.60
24 x 24 x 15	KPK242415D	$57.49	KPK242415O	$38.31

*For Identification Purposes Only.
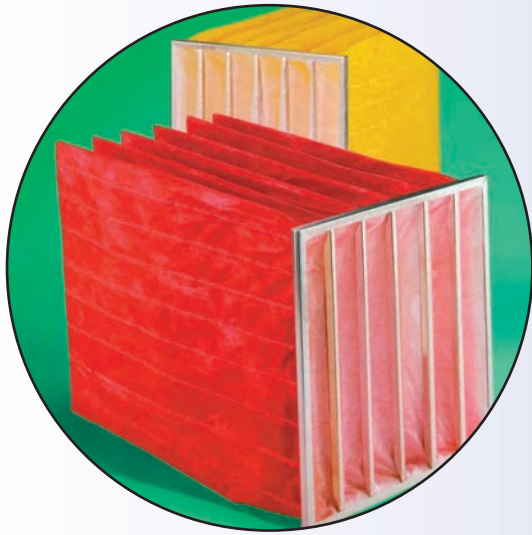
Glasfloss®

EXCEL® & PURAPAK®
Extended Surface Bag Filters

- Synthetic or Fiberglass Media Available
- Exclusive Reinforced Header Design
- Heavy-duty Span-stitched Construction
- High Dust Holding Capacity
- Special Sizes Available

FEATURES >

Glasfloss Excel and Purapak extended surface bag filters offer excellent performance and durability for applications requiring medium to high efficiencies. The Excel bag filter features 100% synthetic media and offers excellent value and performance for most applications. The Purapak bag filter features ultra-fine fiberglass media and is ideal for applications where fiberglass is specified. Both the Excel and Purapak bag filters feature an exclusive internal header design which adds strength to the filters and virtually eliminates "racking" during installation. ANSI/ASHRAE 52.2 test method performance ranges include MERV 9 (40-45%), MERV 11 (60-65%), MERV 13 (80-85%) and MERV 15 (90-95%). Glasfloss Excel and Purapak bag filters are available in most standard and special-size face dimensions in standard and special depths.

The Glasfloss Excel extended surface bag filter shall incorporate an ultra-fine, dual ply 100% synthetic media. The Glasfloss Purapak extended surface bag filter shall incorporate an ultra-fine fiberglass media. Individual pockets shall be formed by span stitching down the length of the pockets to maximize the utilization of media. The stitching shall be coated with a thin line of hot melt adhesive to secure the thread to the media and seal any perforations in the media caused by sewing. The pockets shall be individually adhered to an internal aluminum tube header. Each individual pocket shall be fastened to the next by means of pocket support ribs, which are mechanically attached to the internal header. The entire assembly shall be encased in a galvanized steel header frame to prevent racking and possible bypass of unfiltered air. Glasfloss Excel and Purapak filters shall be Classified under U.L. standard 900. Excel and Purapak filters shall be rated to withstand temperatures up to 160 degrees Fahrenheit.

< SPECIFICATIONS

GALVANIZED STEEL HEADER

SYNTHETIC or FIBERGLASS MEDIA

INTERNAL ALUMINUM TUBE

HOT MELT ADHESIVE OVER THREAD LINES

SUPPORT RIBS
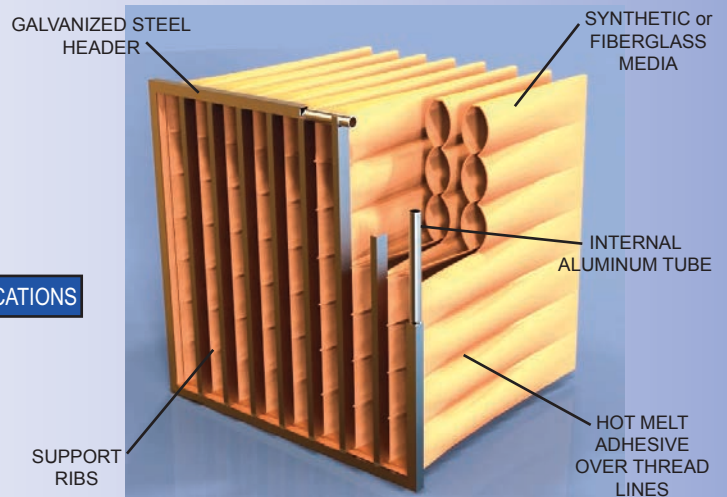
Efficiency	40-45%	60-65%	80-85%	90-95%
MERV	9	11	13	15

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EXCEL

SIZE W x H x D NOMINAL	PKT NO.	AIR FLOW CAPACITY CFM			90-95% MERV 15 INITIAL RESIST. IN. W.G.			80-85% MERV 13 INITIAL RESIST. IN. W.G.			60-65% MERV 11 INITIAL RESIST. IN. W.G.			40-45% MERV 9 INITIAL RESIST. IN. W.G.			MEDIA SQUARE FEET	SIZE W x H x D NOMINAL MM
24 x 24 x 15	6	1000	1250	1500	.45	.55	.66	.37	.46	.55	.31	.38	.46	.25	.32	.38	35.75	610 x 610 x 381
24 x 24 x 15	7	1000	1250	1500	.42	.51	.62	.35	.43	.52	.29	.35	.43	.24	.29	.36	41.71	610 x 610 x 381
24 x 24 x 15	8	1000	1250	1500	.37	.47	.60	.31	.40	.50	.26	.33	.42	.21	.27	.34	47.66	610 x 610 x 381
24 x 24 x 15	10	1000	1250	1500	.34	.40	.53	.28	.34	.45	.24	.28	.37	-	-	-	59.58	610 x 610 x 381
24 x 24 x 15	12	1000	1250	1500	.27	.33	.47	.22	.28	.40	.19	.23	.33	-	-	-	71.50	610 x 610 x 381
24 x 24 x 21	6	1000	1250	1500	.38	.50	.57	.32	.42	.48	.27	.35	.40	.22	.28	.33	48.75	610 x 610 x 533
24 x 24 x 21	8	1000	1500	2000	.34	.46	.56	.28	.39	.47	.24	.32	.39	.19	.26	.32	65.00	610 x 610 x 533
24 x 24 x 21	10	1000	1500	2000	.30	.40	.52	.25	.34	.43	.21	.28	.36	.17	.23	.30	81.25	610 x 610 x 533
24 x 24 x 25	6	1000	1500	2000	.28	.49	.61	.24	.41	.51	.20	.34	.42	-	-	-	57.41	610 x 610 x 635
24 x 24 x 25	8	1000	1500	2000	.20	.36	.53	.17	.31	.44	.14	.25	.37	-	-	-	76.55	610 x 610 x 635
24 x 24 x 25	10	1500	2000	2500	.26	.45	.59	.22	.37	.49	.18	.31	.41	-	-	-	95.69	610 x 610 x 635
24 x 24 x 29	6	1500	2000	2500	.45	.55	.66	.38	.46	.55	.32	.38	.46	-	-	-	66.08	610 x 610 x 737
24 x 24 x 29	8	1500	2000	2500	.35	.44	.55	.29	.37	.46	.24	.30	.38	.20	.27	-	88.11	610 x 610 x 737
24 x 24 x 29	10	1500	2000	2500	.22	.36	.52	.19	.31	.43	.16	.25	.36	-	-	-	110.13	610 x 610 x 737
24 x 24 x 36	6	1500	2000	2500	.34	.51	.64	.28	.43	.54	.24	.35	.45	-	-	-	81.25	610 x 610 x 914
24 x 24 x 36	8	1500	2000	2500	.26	.43	.54	.22	.36	.46	.18	.30	.38	-	-	-	108.83	610 x 610 x 914
24 x 24 x 36	10	1500	2000	2500	.20	.34	.47	.16	.28	.40	.14	.24	.33	-	-	-	135.41	610 x 610 x 914
20 x 24 x 15	6	850	1050	1250	.45	.55	.66	.37	.46	.55	.31	.38	.46	.25	.32	.38	35.75	508 x 610 x 381
20 x 24 x 15	8	850	1050	1250	.37	.47	.60	.31	.40	.50	.26	.33	.42	.21	.27	.34	47.66	508 x 610 x 381
20 x 24 x 15	10	850	1050	1250	.34	.40	.53	.28	.34	.45	.24	.28	.37	.19	.23	.31	59.58	508 x 610 x 381
20 x 24 x 21	6	850	1050	1250	.38	.50	.57	.32	.42	.48	.27	.35	.40	.22	.28	.33	48.75	508 x 610 x 533
20 x 24 x 21	8	850	1250	1650	.34	.46	.56	.28	.39	.47	.24	.32	.39	.19	.26	.32	65.00	508 x 610 x 533
20 x 24 x 21	10	850	1250	1650	.30	.40	.52	.25	.34	.43	.21	.28	.36	.17	.23	.30	81.25	508 x 610 x 533
20 x 24 x 25	6	850	1250	1650	.28	.49	.61	.24	.41	.51	.20	.34	.42	-	-	-	57.41	508 x 610 x 533
20 x 24 x 25	8	850	1250	1650	.20	.36	.53	.17	.31	.44	.14	.25	.37	-	-	-	76.55	508 x 610 x 533
20 x 24 x 25	10	1250	1650	2100	.26	.45	.59	.22	.37	.49	.18	.31	.41	-	-	-	95.69	508 x 610 x 533
20 x 24 x 29	6	1250	1650	2100	.45	.55	.66	.38	.46	.55	.32	.38	.46	-	-	-	66.08	508 x 610 x 737
20 x 24 x 29	8	1250	1650	2100	.35	.44	.55	.29	.37	.46	.24	.30	.38	-	-	-	88.11	508 x 610 x 737
20 x 24 x 29	10	1250	1650	2100	.22	.36	.52	.19	.31	.43	.16	.25	.36	-	-	-	110.13	508 x 610 x 737
20 x 24 x 36	6	1250	1650	2100	.34	.51	.64	.28	.43	.54	.24	.35	.45	-	-	-	81.25	508 x 610 x 914
20 x 24 x 36	8	1250	1650	2100	.26	.43	.54	.22	.36	.46	.18	.30	.38	-	-	-	108.83	508 x 610 x 914
20 x 24 x 36	10	1250	1650	2100	.20	.34	.47	.16	.28	.40	.14	.24	.33	-	-	-	135.41	508 x 610 x 914
12 x 24 x 15	3	500	625	750	.45	.55	.66	.37	.46	.55	.31	.38	.46	.25	.32	.38	17.87	305 x 610 x 381
12 x 24 x 15	4	500	625	750	.37	.47	.60	.31	.40	.50	.26	.33	.42	.21	.27	.34	23.83	305 x 610 x 381
12 x 24 x 15	5	500	625	750	.34	.40	.53	.28	.34	.45	.24	.28	.37	.19	.23	.31	29.79	305 x 610 x 381
12 x 24 x 15	6	500	625	750	.27	.33	.47	.22	.28	.40	.19	.23	.33	.15	.19	.27	35.75	305 x 610 x 381
12 x 24 x 21	3	500	625	750	.38	.50	.57	.32	.42	.48	.27	.35	.40	.22	.28	.33	24.37	305 x 610 x 533
12 x 24 x 21	4	500	750	1000	.34	.46	.56	.28	.39	.47	.24	.32	.39	.19	.26	.32	32.50	305 x 610 x 533
12 x 24 x 21	5	500	750	1000	.30	.40	.52	.25	.34	.43	.21	.28	.36	.17	.23	.30	40.63	305 x 610 x 533
12 x 24 x 25	3	500	750	1000	.28	.49	.61	.24	.41	.51	.20	.34	.42	-	-	-	28.70	305 x 610 x 635
12 x 24 x 25	4	500	750	1000	.20	.36	.53	.17	.31	.44	.14	.25	.37	-	-	-	38.27	305 x 610 x 635
12 x 24 x 25	5	750	1000	1250	.26	.45	.59	.22	.37	.49	.18	.31	.41	-	-	-	47.84	305 x 610 x 635
12 x 24 x 29	3	750	1000	1250	.45	.55	.66	.38	.46	.55	.32	.38	.46	-	-	-	33.04	305 x 610 x 737
12 x 24 x 29	4	750	1000	1250	.35	.44	.55	.29	.37	.46	.24	.30	.38	-	-	-	44.05	305 x 610 x 737
12 x 24 x 29	5	750	1000	1250	.22	.36	.52	.19	.31	.43	.16	.25	.36	-	-	-	55.07	305 x 610 x 737
12 x 24 x 36	3	750	1000	1250	.34	.51	.64	.28	.43	.54	.24	.35	.45	-	-	-	40.62	305 x 610 x 914
12 x 24 x 36	4	750	1000	1250	.26	.43	.54	.22	.36	.46	.18	.30	.38	-	-	-	54.16	305 x 610 x 914
12 x 24 x 36	5	750	1000	1250	.20	.34	.47	.16	.28	.40	.14	.24	.33	-	-	-	67.70	305 x 610 x 914
24 x 24 x 12	6	1500	2000	2500	-	-	-	-	-	-	-	-	-	.40	.46	.52	29.25	610 x 610 x 305
20 x 24 x 12	4	1000	1250	1500	-	-	-	-	-	-	-	-	-	.37	.42	.49	19.50	508 x 610 x 305
20 x 24 x 12	5	1250	1500	1750	-	-	-	-	-	-	-	-	-	.38	.42	.48	24.37	508 x 610 x 305
20 x 24 x 12	6	1250	1500	2000	-	-	-	-	-	-	-	-	-	.34	.40	.46	29.25	508 x 610 x 305
20 x 20 x 12	4	1000	1250	1500	-	-	-	-	-	-	-	-	-	.39	.44	.51	16.50	508 x 508 x 305
20 x 20 x 12	5	1000	1500	1750	-	-	-	-	-	-	-	-	-	.35	.47	.54	20.62	508 x 508 x 305
20 x 20 x 12	6	1250	1500	1750	-	-	-	-	-	-	-	-	-	.36	.43	.49	24.75	508 x 508 x 305
20 x 20 x 21	5	1250	1500	2000	-	-	-	-	-	-	-	-	-	.27	.33	.39	34.63	508 x 508 x 533
20 x 20 x 21	6	1250	1500	2000	-	-	-	-	-	-	-	-	-	.23	.29	.34	41.25	508 x 508 x 533
20 x 20 x 21	7	1250	1500	2000	-	-	-	-	-	-	-	-	-	.19	.25	.31	48.63	508 x 508 x 533
12 x 24 x 12	3	750	1000	1250	-	-	-	-	-	-	-	-	-	.40	.46	.52	14.63	305 x 610 x 305

Actual size of face dimension is 5/8" less than nominal. Header thickness is 13/16"
Tolerances shall be +/- 1/8" for height, width and +/- 1" on depth.
All special sizes will be undersized 1/4" unless specified otherwise.
Depth of filter is measured from the front of the header to the end of the pocket.
Recommended final resistance is 1.50" in. w.g.
Performance values based on ASHRAE and in-house testing methods.

PURAPAK

SIZE W x H x D NOMINAL	PKT NO.	AIR FLOW CAPACITY CFM			90-95% MERV 15 INITIAL RESIST. IN. W.G.			80-85% MERV 13 INITIAL RESIST. IN. W.G.			60-65% MERV 11 INITIAL RESIST. IN. W.G.			40-45% MERV 9 INITIAL RESIST. IN. W.G.			MEDIA SQUARE FEET	SIZE W x H x D NOMINAL MM
24 x 24 x 15	6	1000	1250	1500	.50	.62	.74	.42	.52	.62	.35	.43	.52	.29	.35	.42	35.75	610 x 610 x 381
24 x 24 x 15	7	1000	1250	1500	.47	.57	.70	.39	.48	.59	.33	.40	.49	.27	.33	.40	41.71	610 x 610 x 381
24 x 24 x 15	8	1000	1250	1500	.42	.53	.67	.35	.45	.56	.29	.37	.47	.24	.30	.38	47.66	610 x 610 x 381
24 x 24 x 15	10	1000	1250	1500	.38	.45	.60	.32	.38	.50	.26	.31	.42	-	-	-	59.58	610 x 610 x 381
24 x 24 x 15	12	1000	1250	1500	.30	.37	.53	.25	.31	.45	.21	.26	.37	-	-	-	71.50	610 x 610 x 381
24 x 24 x 21	6	1000	1250	1500	.43	.56	.64	.36	.47	.54	.30	.39	.45	.25	.32	.37	48.75	610 x 610 x 533
24 x 24 x 21	8	1000	1500	2000	.38	.52	.63	.32	.44	.53	.26	.36	.44	.22	.30	.36	65.00	610 x 610 x 533
24 x 24 x 21	10	1000	1500	2000	.34	.45	.58	.29	.38	.49	.24	.31	.40	.19	.26	.33	81.25	610 x 610 x 533
24 x 24 x 25	6	1000	1500	2000	.32	.55	.68	.27	.46	.57	.22	.38	.47	-	-	-	57.41	610 x 610 x 635
24 x 24 x 25	8	1000	1500	2000	.23	.41	.59	.19	.34	.50	.16	.29	.41	-	-	-	76.55	610 x 610 x 635
24 x 24 x 25	10	1500	2000	2500	.29	.50	.66	.24	.42	.55	.20	.35	.46	-	-	-	95.69	610 x 610 x 635
24 x 24 x 29	6	1500	2000	2500	.51	.62	.74	.43	.52	.62	.36	.43	.52	-	-	-	66.08	610 x 610 x 737
24 x 24 x 29	8	1500	2000	2500	.39	.49	.62	.33	.41	.52	.27	.34	.43	.22	.30	-	88.11	610 x 610 x 737
24 x 24 x 29	10	1500	2000	2500	.25	.41	.58	.21	.34	.49	.17	.29	.40	-	-	-	110.13	610 x 610 x 737
24 x 24 x 36	6	1500	2000	2500	.38	.57	.72	.32	.48	.60	.26	.40	.50	-	-	-	81.25	610 x 610 x 914
24 x 24 x 36	8	1500	2000	2500	.29	.48	.61	.24	.40	.51	.20	.33	.43	-	-	-	108.83	610 x 610 x 914
24 x 24 x 36	10	1500	2000	2500	.22	.38	.53	.18	.32	.45	.15	.26	.37	-	-	-	135.41	610 x 610 x 914
20 x 24 x 15	6	850	1050	1250	.50	.62	.74	.42	.52	.62	.35	.43	.52	.29	.35	.42	35.75	508 x 610 x 381
20 x 24 x 15	8	850	1050	1250	.42	.53	.67	.35	.45	.56	.29	.37	.47	.24	.30	.38	47.66	508 x 610 x 381
20 x 24 x 15	10	850	1050	1250	.38	.45	.60	.32	.38	.50	.26	.31	.42	.22	.26	.34	59.58	508 x 610 x 381
20 x 24 x 21	6	850	1050	1250	.43	.56	.64	.36	.47	.54	.30	.39	.45	.25	.32	.37	48.75	508 x 610 x 533
20 x 24 x 21	8	850	1250	1650	.38	.52	.63	.32	.44	.53	.26	.36	.44	.22	.30	.36	65.00	508 x 610 x 533
20 x 24 x 21	10	850	1250	1650	.34	.45	.58	.29	.38	.49	.24	.31	.40	.19	.26	.33	81.25	508 x 610 x 533
20 x 24 x 25	6	850	1250	1650	.32	.55	.68	.27	.46	.57	.22	.38	.47	-	-	-	57.41	508 x 610 x 533
20 x 24 x 25	8	850	1250	1650	.23	.41	.59	.19	.34	.50	.16	.29	.41	-	-	-	76.55	508 x 610 x 533
20 x 24 x 25	10	1250	1650	2100	.29	.50	.66	.24	.42	.55	.20	.35	.46	-	-	-	95.69	508 x 610 x 533
20 x 24 x 29	6	1250	1650	2100	.51	.62	.74	.43	.52	.62	.36	.43	.52	-	-	-	66.08	508 x 610 x 737
20 x 24 x 29	8	1250	1650	2100	.39	.49	.62	.33	.41	.52	.27	.34	.43	-	-	-	88.11	508 x 610 x 737
20 x 24 x 29	10	1250	1650	2100	.25	.41	.58	.21	.34	.49	.17	.29	.40	-	-	-	110.13	508 x 610 x 737
20 x 24 x 36	6	1250	1650	2100	.38	.57	.72	.32	.48	.60	.26	.40	.50	-	-	-	81.25	508 x 610 x 914
20 x 24 x 36	8	1250	1650	2100	.29	.48	.61	.24	.40	.51	.20	.33	.43	-	-	-	108.83	508 x 610 x 914
20 x 24 x 36	10	1250	1650	2100	.22	.38	.53	.18	.32	.45	.15	.26	.37	-	-	-	135.41	508 x 610 x 914
12 x 24 x 15	3	500	625	750	.50	.62	.74	.42	.52	.62	.35	.43	.52	.29	.35	.42	17.87	305 x 610 x 381
12 x 24 x 15	4	500	625	750	.42	.53	.67	.35	.45	.56	.29	.37	.47	.24	.30	.38	23.83	305 x 610 x 381
12 x 24 x 15	5	500	625	750	.38	.45	.60	.32	.38	.50	.26	.31	.42	.22	.26	.34	29.79	305 x 610 x 381
12 x 24 x 15	6	500	625	750	.30	.37	.53	.25	.31	.45	.21	.26	.37	.17	.21	.30	35.75	305 x 610 x 381
12 x 24 x 21	3	500	625	750	.43	.56	.64	.36	.47	.54	.30	.39	.45	.25	.32	.37	24.37	305 x 610 x 533
12 x 24 x 21	4	500	750	1000	.38	.52	.63	.32	.44	.53	.26	.36	.44	.22	.30	.36	32.50	305 x 610 x 533
12 x 24 x 21	5	500	750	1000	.34	.45	.58	.29	.38	.49	.24	.31	.40	.19	.26	.33	40.63	305 x 610 x 533
12 x 24 x 25	3	500	750	1000	.32	.55	.68	.27	.46	.57	.22	.38	.47	-	-	-	28.70	305 x 610 x 635
12 x 24 x 25	4	500	750	1000	.23	.41	.59	.19	.34	.50	.16	.29	.41	-	-	-	38.27	305 x 610 x 635
12 x 24 x 25	5	750	1000	1250	.29	.50	.66	.24	.42	.55	.20	.35	.46	-	-	-	47.84	305 x 610 x 635
12 x 24 x 29	3	750	1000	1250	.51	.62	.74	.43	.52	.62	.36	.43	.52	-	-	-	33.04	305 x 610 x 737
12 x 24 x 29	4	750	1000	1250	.39	.49	.62	.33	.41	.52	.27	.34	.43	-	-	-	44.05	305 x 610 x 737
12 x 24 x 29	5	750	1000	1250	.25	.41	.58	.21	.34	.49	.17	.29	.40	-	-	-	55.07	305 x 610 x 737
12 x 24 x 36	3	750	1000	1250	.38	.57	.72	.32	.48	.60	.26	.40	.50	-	-	-	40.62	305 x 610 x 914
12 x 24 x 36	4	750	1000	1250	.29	.48	.61	.24	.40	.51	.20	.33	.43	-	-	-	54.16	305 x 610 x 914
12 x 24 x 36	5	750	1000	1250	.22	.38	.53	.18	.32	.45	.15	.26	.37	-	-	-	67.70	305 x 610 x 914
24 x 24 x 12	6	1500	2000	2500	-	-	-	-	-	-	-	-	-	.44	.51	.57	29.25	610 x 610 x 305
20 x 24 x 12	4	1000	1250	1500	-	-	-	-	-	-	-	-	-	.41	.46	.54	19.50	508 x 610 x 305
20 x 24 x 12	5	1250	1500	1750	-	-	-	-	-	-	-	-	-	.42	.46	.53	24.37	508 x 610 x 305
20 x 24 x 12	6	1250	1500	2000	-	-	-	-	-	-	-	-	-	.37	.44	.51	29.25	508 x 610 x 305
20 x 20 x 12	4	1000	1250	1500	-	-	-	-	-	-	-	-	-	.43	.48	.56	16.50	508 x 508 x 305
20 x 20 x 12	5	1000	1500	1750	-	-	-	-	-	-	-	-	-	.39	.52	.59	20.62	508 x 508 x 305
20 x 20 x 12	6	1250	1500	1750	-	-	-	-	-	-	-	-	-	.40	.47	.54	24.75	508 x 508 x 305
20 x 20 x 21	5	1250	1500	2000	-	-	-	-	-	-	-	-	-	.30	.36	.43	34.63	508 x 508 x 533
20 x 20 x 21	6	1250	1500	2000	-	-	-	-	-	-	-	-	-	.25	.32	.37	41.25	508 x 508 x 533
20 x 20 x 21	7	1250	1500	2000	-	-	-	-	-	-	-	-	-	.21	.28	.34	48.63	508 x 508 x 533
12 x 24 x 12	3	750	-	-	-	-	-	-	-	-	-	-	-	.44	.51	.57	14.63	305 x 610 x 305

Actual size of face dimension is 5/8" less than nominal. Header thickness is 13/16"

Tolerances shall be +/- 1/8" for height, width and +/- 1" on depth.

All special sizes will be undersized 1/4" unless specified otherwise.

Depth of filter is measured from the front of the header to the end of the pocket.

Recommended final resistance is 1.50" in. w.g.

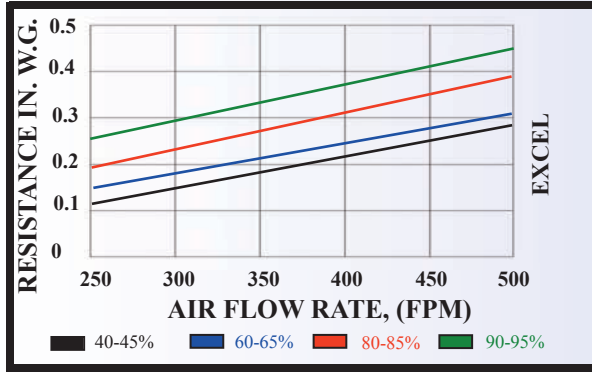Performance values based on ASHRAE and in-house testing methods.

INITIAL PRESSURE DROP
Test Filter Size 24" x 24" x 29" 8 PKT Nominal

EXCEL

RESISTANCE IN. W.G. — 0.5, 0.4, 0.3, 0.2, 0.1, 0
AIR FLOW RATE, (FPM) — 250, 300, 350, 400, 450, 500
■ 40-45% ■ 60-65% ■ 80-85% ■ 90-95%

INITIAL PRESSURE DROP
Test Filter Size 24" x 24" x 29" 8 PKT Nominal

PURAPAK

RESISTANCE IN. W.G. — 0.5, 0.4, 0.3, 0.2, 0.1, 0
AIR FLOW RATE, (FPM) — 250, 300, 350, 400, 450, 500
■ 40-45% ■ 60-65% ■ 80-85% ■ 90-95%

MINIMUM PARTICLE SIZE EFFICIENCY
Test Filter Size 24" x 24" x 29" 8 PKT Nominal

EXCEL

REMOVAL PERCENTAGE — 100, 80, 60, 40, 20, 0
PARTICLE SIZE, MICRONS — .1, 1, 10
■ 40-45% ■ 60-65% ■ 80-85% ■ 90-95%

MINIMUM PARTICLE SIZE EFFICIENCY
Test Filter Size 24" x 24" x 29" 8 PKT Nominal

PURAPAK

REMOVAL PERCENTAGE — 100, 80, 60, 40, 20, 0
PARTICLE SIZE, MICRONS — .1, 1, 10
■ 40-45% ■ 60-65% ■ 80-85% ■ 90-95%

PART NUMBER CONFIGURATION

PREFIX	FILTER SIZE	EFFICIENCY	POCKETS	GASKET LOCATION	HANGER LOOPS	HEADER STYLE	EXACT
SBG = Excel	NUMERICAL SIZE OF FILTER Width/Height/Depth i.e 242412	4 = 40-45%	3	Blank = None	Blank = None	Blank = Standard 7/8	
PBG = Purapak			4	A = Air Exit 4 Sides	1 = One End, Each Pocket	CM = Cambridge 1 1/8	
OBG = FG Oil Mist**		6 = 60-65%	5	B = Air Entry 4 Sides	2 = Middle of Each Pocket		Blank = Standard
			6	C = Air Entry/Exit 8 Sides	3 = Both Ends, Each Pocket		E = Exact
		8 = 80-85%	7	D = Side Load 2 Vertical Sides	**OR **6" Reinforced loops on OBG		
			8	S = One Vertical Side	4 = Both Ends & Middle, Each Pocket		
		9 = 90-95%	10		5= 4" Continuous Loops		
			12				

Example: Synthetic Bag, 24 x 24 x 25, 95%, 6 pocket, gasket on air exit 4 sides & loops both ends, each pocket.
PART NUMBER = "SBG24242596A3"

Glasfloss' unique internal tube header design creates unmatched header rigidity and is ideal for side access housings. Glasfloss Excel & Purapak extended surface bag filters incorporate media that is color coded to identify efficiency:

90-95% Yellow ▭
80-85% Pink ▭
60-65% Orange ▭
40-45%* ▭ *Tan/Yellow (Fiberglass), White (Synthetic)

NAFA National Air Filtration Association
MADE IN U.S.A.
LEED USGBC
U(R)L

Glasfloss Industries
Excellence in Air Filtration Since 1936

EXCEL
High Efficiency Synthetic Bag

Nominal Size W x H x D	No. of PKTS.	MERV 15 PART NUMBER	MERV 15 LIST PRICE	MERV 13 PART NUMBER	MERV 13 LIST PRICE	CTN. QTY.
24x24x15	6	SBG24241596	$71.99	SBG24241586	$67.92	6
24x24x15	7	SBG24241597	$80.87	SBG24241587	$76.10	4
24x24x15	8	SBG24241598	$89.47	SBG24241588	$84.02	4
24x24x15	10	SBG242415910	$108.05	SBG242415810	$101.30	4
24x24x15	12	SBG242415912	$123.93	SBG242415812	$115.68	3
24x24x21	6	SBG24242196	$83.44	SBG24242186	$78.84	5
24x24x21	8	SBG24242198	$105.26	SBG24242188	$99.29	4
24x24x21	10	SBG242421910	$132.78	SBG242421810	$123.71	4
24x24x25	6	SBG24242596	$90.09	SBG24242586	$84.33	4
24x24x25	8	SBG24242598	$114.10	SBG24242588	$105.69	3
24x24x25	10	SBG242425910	$142.23	SBG242425810	$130.34	3
24x24x29	6	SBG24242996	$101.05	SBG24242986	$94.26	4
24x24x29	8	SBG24242998	$129.03	SBG24242988	$119.12	3
24x24x29	10	SBG242429910	$160.28	SBG242429810	$146.60	2
24x24x36	6	SBG24243696	$109.87	SBG24243686	$104.81	3
24x24x36	8	SBG24243698	$138.48	SBG24243688	$133.01	3
24x24x36	10	SBG242436910	$171.95	SBG242436810	$164.03	2
20x24x15	6	SBG20241596	$76.93	SBG20241586	$72.60	6
20x24x15	8	SBG20241598	$95.64	SBG20241588	$89.79	4
20x24x15	10	SBG202415910	$115.51	SBG202415810	$108.22	4
20x24x21	6	SBG20242196	$89.19	SBG20242186	$84.23	5
20x24x21	8	SBG20242198	$112.43	SBG20242188	$106.13	4
20x24x21	10	SBG202421910	$141.92	SBG202421810	$132.25	4
20x24x25	6	SBG20242596	$96.24	SBG20242586	$90.12	4
20x24x25	8	SBG20242598	$121.86	SBG20242588	$112.93	3
20x24x25	10	SBG202425910	$151.98	SBG202425810	$139.29	3
20x24x29	6	SBG20242996	$108.00	SBG20242986	$100.70	4
20x24x29	8	SBG20242998	$137.89	SBG20242988	$127.32	3
20x24x29	10	SBG202429910	$171.26	SBG202429810	$156.69	2
20x24x36	6	SBG20243696	$117.42	SBG20243686	$112.01	3
20x24x36	8	SBG20243698	$148.02	SBG20243688	$142.14	2
20x24x36	10	SBG202436910	$183.77	SBG202436810	$175.29	2
12x24x15	3	SBG12241593	$48.54	SBG12241583	$46.52	10
12x24x15	4	SBG12241594	$56.49	SBG12241584	$53.81	8
12x24x15	5	SBG12241595	$64.54	SBG12241585	$61.07	7
12x24x15	6	SBG12241596	$71.99	SBG12241586	$67.92	6
12x24x21	3	SBG12242193	$55.27	SBG12242183	$53.07	9
12x24x21	4	SBG12242194	$64.73	SBG12242184	$61.54	7
12x24x21	5	SBG12242195	$75.08	SBG12242185	$71.34	6
12x24x25	3	SBG12242593	$58.57	SBG12242583	$55.91	8
12x24x25	4	SBG12242594	$68.93	SBG12242584	$65.19	7
12x24x25	5	SBG12242595	$80.36	SBG12242585	$75.52	5
12x24x29	3	SBG12242993	$63.85	SBG12242983	$61.01	8
12x24x29	4	SBG12242994	$76.21	SBG12242984	$71.76	8
12x24x29	5	SBG12242995	$89.38	SBG12242985	$83.64	7
12x24x36	3	SBG12243693	$67.57	SBG12243683	$66.07	8
12x24x36	4	SBG12243694	$80.82	SBG12243684	$78.84	7
12x24x36	5	SBG12243695	$95.37	SBG12243685	$92.26	6

EXCEL
High Efficiency Synthetic Bag

Nominal Size W x H x D	No. of PKTS.	MERV 11 PART NUMBER	LIST PRICE	CTN. QTY.
24x24x15	6	SBG24241566	$64.28	6
24x24x15	7	SBG24241567	$71.94	4
24x24x15	8	SBG24241568	$79.23	4
24x24x15	10	SBG242415610	$92.39	4
24x24x15	12	SBG242415612	$108.52	3
24x24x21	6	SBG24242166	$73.46	5
24x24x21	8	SBG24242168	$87.11	4
24x24x21	10	SBG242421610	$95.20	4
24x24x25	6	SBG24242566	$79.62	4
24x24x25	8	SBG24242568	$100.35	3
24x24x25	10	SBG242425610	$121.29	3
24x24x29	6	SBG24242966	$85.59	4
24x24x29	8	SBG24242968	$104.41	3
24x24x29	10	SBG242429610	$118.89	2
24x24x36	6	SBG24243666	$96.25	3
24x24x36	8	SBG24243668	$118.77	3
24x24x36	10	SBG242436610	$135.87	2
20x24x15	6	SBG20241566	$68.68	6
20x24x15	8	SBG20241568	$84.66	4
20x24x15	10	SBG202415610	$98.72	4
20x24x21	6	SBG20242166	$78.50	5
20x24x21	8	SBG20242168	$93.07	4
20x24x21	10	SBG202421610	$101.73	4
20x24x25	6	SBG20242566	$85.10	4
20x24x25	8	SBG20242568	$107.24	3
20x24x25	10	SBG202425610	$129.60	3
20x24x29	6	SBG20242966	$91.49	4
20x24x29	8	SBG20242968	$111.58	3
20x24x29	10	SBG202429610	$127.05	2
20x24x36	6	SBG20243666	$102.84	3
20x24x36	8	SBG20243668	$126.91	2
20x24x36	10	SBG202436610	$145.22	2
12x24x15	3	SBG12241563	$43.70	10
12x24x15	4	SBG12241564	$51.38	8
12x24x15	5	SBG12241565	$58.11	7
12x24x15	6	SBG12241566	$64.28	6
12x24x21	3	SBG12242163	$45.14	8
12x24x21	4	SBG12242164	$54.59	7
12x24x21	5	SBG12242165	$64.02	6
12x24x25	3	SBG12242563	$48.26	8
12x24x25	4	SBG12242564	$58.70	7
12x24x25	5	SBG12242565	$69.15	6
12x24x29	3	SBG12242963	$51.28	9
12x24x29	4	SBG12242964	$62.81	8
12x24x29	5	SBG12242965	$74.12	7
12x24x36	3	SBG12243663	$56.66	8
12x24x36	4	SBG12243664	$69.79	7
12x24x36	5	SBG12243665	$82.88	5

Nominal Size W x H x D	No. of PKTS.	MERV 9 PART NUMBER	LIST PRICE	CTN. QTY.
24x24x12	6	SBG24241246	$55.41	7
24x24x15	6	SBG24241546	$58.92	6
24x24x15	7	SBG24241547	$66.11	5
24x24x15	8	SBG24241548	$73.07	5
24x24x21	6	SBG24242146	$66.11	4
24x24x21	7	SBG24242147	$74.24	3
24x24x21	8	SBG24242148	$82.52	3
20x24x12	4	SBG20241244	$42.67	7
20x24x12	5	SBG20241245	$49.06	7
20x24x12	6	SBG20241246	$55.41	7
20x24x15	6	SBG20241546	$62.94	6
20x24x15	7	SBG20241547	$70.60	5
20x24x15	8	SBG20241548	$78.14	5
20x24x21	6	SBG20242146	$70.60	4
20x24x21	7	SBG20242147	$79.37	3
20x24x21	8	SBG20242148	$88.17	3
20x20x12	4	SBG20201244	$42.67	7
20x20x12	5	SBG20201245	$49.06	7
20x20x12	6	SBG20201246	$55.41	7
20x20x21	5	SBG20202145	$57.86	4
20x20x21	6	SBG20202146	$66.11	4
20x20x21	7	SBG20202147	$74.24	3
12x24x12	3	SBG12241243	$36.10	13
12x24x15	3	SBG12241543	$37.97	13
12x24x15	4	SBG12241544	$44.95	12
12x24x15	5	SBG12241545	$51.91	10
12x24x15	6	SBG12241546	$58.92	9
12x24x21	3	SBG12242143	$41.67	10
12x24x21	4	SBG12242144	$49.69	9
12x24x21	5	SBG12242145	$57.86	8
12x24x21	6	SBG12242146	$66.11	8

OPTIONS:

For pricing on 20 x 20 face dimension use 20 x 24 List Price
For pricing on standard size face dimension 22" depth use
21" List Price and for 30" use 29" List Price
Other special Size Length Bags - Use Next Largest Depth Size

Reverse Dimension 24 x 12 Header use 24 x 24 List Price for
the desired depth and pocket amount
Reverse Dimension 24 x 20 Header use 24 x 24 List Price for
the desired depth and pocket amount and add +15%

1-1/8-inch Header Available - Add $7.50 to List Price
Please specify when ordering

Hanger Loops available: Add $2.50 list per loop
Gasket available: Add $6.50 List for 4 sides
Add $5.50 List for 2 sides
Add $4.25 List for 1 side

Special Header Size Excel Bags-Use Next Largest Size + 30% Added to List Price
Special size Excel Bags are non-returnable

![Glasfloss Industries logo]

Glasfloss® Industries
Excellence in Air Filtration Since 1936

PURAPAK
High Efficiency Fiberglass Bag

Nominal Size W x H x D	No. of PKTS.	MERV 15 (90-95%) PART NUMBER	MERV 15 (90-95%) LIST PRICE	MERV 13 (80-85%) PART NUMBER	MERV 13 (80-85%) LIST PRICE	CTN. QTY.
24x24x15	6	PBG24241596	$83.55	PBG24241586	$78.94	6
24x24x15	7	PBG24241597	$93.91	PBG24241587	$88.42	4
24x24x15	8	PBG24241598	$103.94	PBG24241588	$97.59	4
24x24x15	10	PBG242415910	$125.53	PBG242415810	$117.63	3
24x24x15	12	PBG242415912	$143.88	PBG242415812	$134.33	2
24x24x21	6	PBG24242196	$96.95	PBG24242186	$91.56	4
24x24x21	8	PBG24242198	$122.22	PBG24242188	$115.30	3
24x24x21	10	PBG242421910	$154.18	PBG242421810	$143.71	3
24x24x25	6	PBG24242596	$104.59	PBG24242586	$97.94	4
24x24x25	8	PBG24242598	$132.45	PBG24242588	$122.76	3
24x24x25	10	PBG242425910	$165.13	PBG242425810	$151.37	3
24x24x29	6	PBG24242996	$117.40	PBG24242986	$109.46	3
24x24x29	8	PBG24242998	$149.81	PBG24242988	$138.34	3
24x24x29	10	PBG242429910	$186.18	PBG242429810	$170.30	2
24x24x36	6	PBG24243696	$127.64	PBG24243686	$121.71	3
24x24x36	8	PBG24243698	$160.83	PBG24243688	$154.47	2
24x24x36	10	PBG242436910	$199.71	PBG242436810	$190.48	2
20x24x15	6	PBG20241596	$89.33	PBG20241586	$84.28	6
20x24x15	8	PBG20241598	$111.10	PBG20241588	$104.22	4
20x24x15	10	PBG202415910	$134.13	PBG202415810	$125.70	3
20x24x21	6	PBG20242196	$103.57	PBG20242186	$97.81	4
20x24x21	8	PBG20242198	$130.63	PBG20242188	$123.24	3
20x24x21	10	PBG202421910	$164.79	PBG202421810	$153.56	3
20x24x25	6	PBG20242596	$111.78	PBG20242586	$104.63	4
20x24x25	8	PBG20242598	$141.56	PBG20242588	$131.18	3
20x24x25	10	PBG202425910	$176.52	PBG202425810	$161.77	3
20x24x29	6	PBG20242996	$125.41	PBG20242986	$116.95	3
20x24x29	8	PBG20242998	$160.13	PBG20242988	$147.84	3
20x24x29	10	PBG202429910	$198.91	PBG202429810	$181.99	2
20x24x36	6	PBG20243696	$136.35	PBG20243686	$130.04	3
20x24x36	8	PBG20243698	$171.87	PBG20243688	$165.05	2
20x24x36	10	PBG202436910	$213.40	PBG202436810	$203.62	2
12x24x15	3	PBG12241593	$56.35	PBG12241583	$54.01	10
12x24x15	4	PBG12241594	$65.56	PBG12241584	$62.50	8
12x24x15	5	PBG12241595	$74.94	PBG12241585	$70.92	7
12x24x15	6	PBG12241596	$83.55	PBG12241586	$78.94	6
12x24x21	3	PBG12242193	$64.18	PBG12242183	$61.62	9
12x24x21	4	PBG12242194	$75.19	PBG12242184	$71.47	7
12x24x21	5	PBG12242195	$87.19	PBG12242185	$82.85	6
12x24x25	3	PBG12242593	$68.02	PBG12242583	$64.95	8
12x24x25	4	PBG12242594	$80.03	PBG12242584	$75.69	7
12x24x25	5	PBG12242595	$93.32	PBG12242585	$87.70	5
12x24x29	3	PBG12242993	$74.16	PBG12242983	$70.80	8
12x24x29	4	PBG12242994	$88.47	PBG12242984	$83.36	8
12x24x29	5	PBG12242995	$103.79	PBG12242985	$97.16	7
12x24x36	3	PBG12243693	$78.50	PBG12243683	$76.74	8
12x24x36	4	PBG12243694	$93.84	PBG12243684	$91.56	7
12x24x36	5	PBG12243695	$110.73	PBG12243685	$107.16	6

"Serving You With Locations Throughout The Nation"

PURAPAK

High Efficiency Fiberglass Bag

Nominal Size W x H x D	No. of PKTS.	MERV 11 (60-65% PART NUMBER	LIST PRICE	CTN. QTY.
24x24x15	6	PBG24241566	$74.66	6
24x24x15	7	PBG24241567	$83.52	4
24x24x15	8	PBG24241568	$92.00	4
24x24x15	10	PBG242415610	$107.27	3
24x24x15	12	PBG242415612	$126.01	2
24x24x21	6	PBG24242166	$85.34	4
24x24x21	8	PBG24242168	$101.13	3
24x24x21	10	PBG242421610	$110.58	3
24x24x25	6	PBG24242566	$92.48	4
24x24x25	8	PBG24242568	$116.56	3
24x24x25	10	PBG242425610	$140.88	3
24x24x29	6	PBG24242966	$99.46	3
24x24x29	8	PBG24242968	$121.28	3
24x24x29	10	PBG242429610	$138.05	2
24x24x36	6	PBG24243666	$111.79	3
24x24x36	8	PBG24243668	$137.97	2
24x24x36	10	PBG242436610	$157.78	2
20x24x15	6	PBG20241566	$79.76	6
20x24x15	8	PBG20241568	$98.28	4
20x24x15	10	PBG202415610	$114.62	3
20x24x21	6	PBG20242166	$91.16	4
20x24x21	8	PBG20242168	$108.07	3
20x24x21	10	PBG202421610	$118.19	3
20x24x25	6	PBG20242566	$98.85	4
20x24x25	8	PBG20242568	$124.52	3
20x24x25	10	PBG202425610	$150.54	3
20x24x29	6	PBG20242966	$106.23	4
20x24x29	8	PBG20242968	$129.54	3
20x24x29	10	PBG202429610	$147.53	2
20x24x36	6	PBG20243666	$119.44	3
20x24x36	8	PBG20243668	$147.44	2
20x24x36	10	PBG202436610	$168.58	2
12x24x15	3	PBG12241563	$50.77	10
12x24x15	4	PBG12241564	$59.66	8
12x24x15	5	PBG12241565	$67.48	7
12x24x15	6	PBG12241566	$74.66	6
12x24x21	3	PBG12242163	$52.42	8
12x24x21	4	PBG12242164	$63.46	7
12x24x21	5	PBG12242165	$74.37	6
12x24x25	3	PBG12242563	$55.99	8
12x24x25	4	PBG12242564	$68.18	7
12x24x25	5	PBG12242565	$80.35	6
12x24x29	3	PBG12242963	$59.59	9
12x24x29	4	PBG12242964	$72.92	8
12x24x29	5	PBG12242965	$86.03	7
12x24x36	3	PBG12243663	$65.79	8
12x24x36	4	PBG12243664	$81.01	7
12x24x36	5	PBG12243665	$96.33	5

Nominal Size W x H x D	No. of PKTS.	MERV 9 (40-45%) PART NUMBER	LIST PRICE	CTN. QTY.
24x24x12	6	PBG24241246	$64.35	7
24x24x15	6	PBG24241546	$68.42	6
24x24x15	7	PBG24241547	$76.77	5
24x24x15	8	PBG24241548	$84.89	5
24x24x21	6	PBG24242146	$76.77	4
24x24x21	7	PBG24242147	$86.28	3
24x24x21	8	PBG24242148	$95.80	3
20x24x12	4	PBG20241244	$49.63	7
20x24x12	5	PBG20241245	$56.96	7
20x24x12	6	PBG20241246	$64.35	7
20x24x15	6	PBG20241546	$73.11	6
20x24x15	7	PBG20241547	$82.02	5
20x24x15	8	PBG20241548	$90.75	5
20x24x21	6	PBG20242146	$82.02	4
20x24x21	7	PBG20242147	$92.21	3
20x24x21	8	PBG20242148	$102.40	3
20x20x12	4	PBG20201244	$49.63	7
20x20x12	5	PBG20201245	$56.96	7
20x20x12	6	PBG20201246	$64.35	7
20x20x21	5	PBG20202145	$67.20	4
20x20x21	6	PBG20202146	$76.77	4
20x20x21	7	PBG20202147	$86.28	3
12x24x12	3	PBG12241243	$41.98	13
12x24x15	3	PBG12241543	$44.11	13
12x24x15	4	PBG12241544	$52.20	12
12x24x15	5	PBG12241545	$60.31	10
12x24x15	6	PBG12241546	$68.42	9
12x24x21	3	PBG12242143	$48.38	10
12x24x21	4	PBG12242144	$57.69	9
12x24x21	5	PBG12242145	$67.20	8
12x24x21	6	PBG12242146	$76.77	8

OPTIONS:

For pricing on 20 x 20 face dimension use 20 x 24 List Price
For pricing on standard size face dimension 22" depth use
21" List Price and for 30" use 29" List Price
Other special Size Length Bags - Use Next Largest Depth Size

Reverse Dimension 24 x 12 Header use 24 x 24 List Price for
the desired depth and pocket amount
Reverse Dimension 24 x 20 Header use 24 x 24 List Price for
the desired depth and pocket amount and add +15%

1-1/8-inch Header Available - Add 7.50 to List Price
Please specify when ordering

Hanger Loops available: Add $2.50 list per loop
Gasket available: Add $6.50 List for 4 sides
Add $5.50 List for 2 sides
Add $4.25 List for 1 side

Special Header Size Purapak Bags-Use Next Largest Size + 30% Added to List Price.
Special size Purapak Bags are non-returnable.
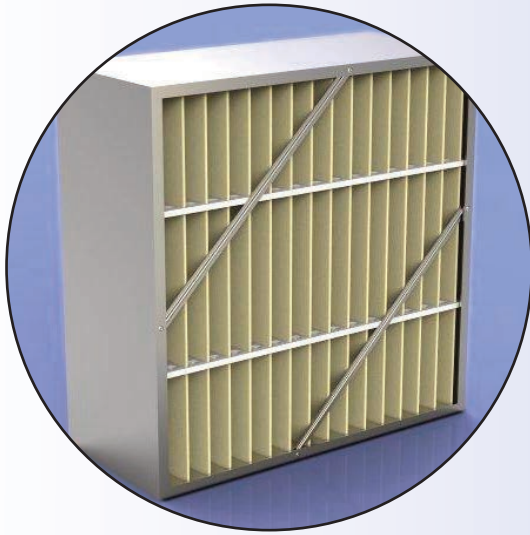
Glasfloss®

[Z-PAK® SERIES]
High Efficiency Rigid Cell

- Synthetic or Fiberglass Media Available
- Injection Molded Pleat Separators
- Header or Box Styles
- High Dust Holding Capacity
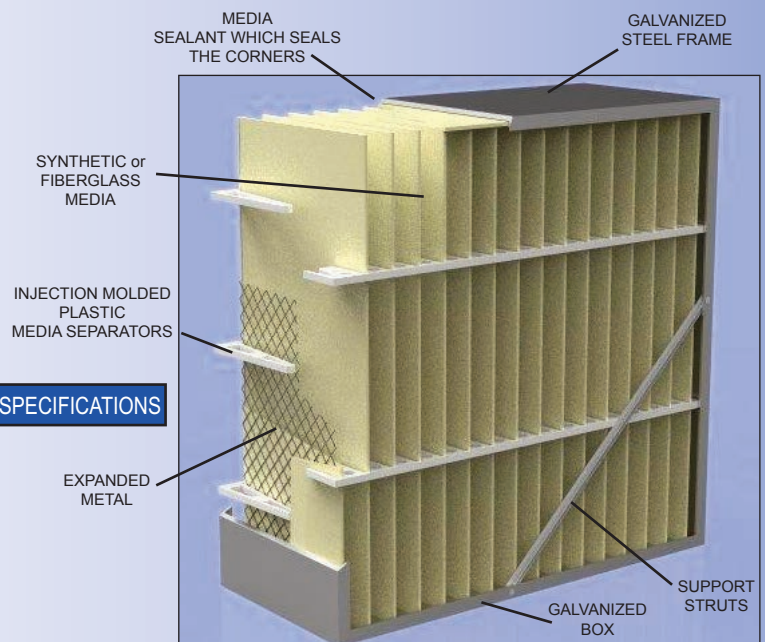- Ideal for VAV Systems

FEATURES >

Glasfloss Z-Pak air filters are designed for medium and high efficiency applications and offer superior service life. The Z-Pak's total rigid construction makes it ideal for variable air volume systems (VAV), where changes in air flow can have an adverse affect on non-rigid type filters. Z-Pak filters are available with fiberglass or synthetic media in four efficiency performance levels: MERV 9 (40-45%),MERV 11 (60-65%), MERV 13 (80-85%) and MERV 14 / 15 (90-95%). The Z-Pak is available in a variety of filter face dimensions with two optional depths.

The Glasfloss Z-Pak Series frame shall be a rigid construction of 26 gauge galvanized steel. A heavy gauge, galvanized steel header is optional for the Z-Pak Series. The media shall be a high density synthetic fiber or a microfine glass fiber. The filter media pack shall be constructed by pleating a continuous sheet of media into uniform spaced pleats, which are separated by flame retardant, injection molded plastic media separators. A heavy-duty expanded metal reinforcement shall be laminated to the air exit 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. Metal vertical brackets shall be utilized to stabilize the media pack and prevent air bypass. The air entry and air exit side shall be fitted with two 26 gauge support struts. The pleated media ends are sealed to the top and bottom of the metal frame to prevent air bypass. Gasket material, 3/4" in width and 1/4" in thickness, is optional. Glasfloss Z-Pak series filters shall be rated to withstand temperatures up to 180 degrees Fahrenheit. Glasfloss Z-Pak filters shall be Classified under U.L. std. 900.

MEDIA SEALANT WHICH SEALS THE CORNERS

GALVANIZED STEEL FRAME

SYNTHETIC or FIBERGLASS MEDIA

INJECTION MOLDED PLASTIC MEDIA SEPARATORS

< SPECIFICATIONS

EXPANDED METAL

SUPPORT STRUTS

GALVANIZED BOX

Efficiency	40-45%	60-65%	80-85%	90-95%
MERV	9	11	13	14-15

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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.

www.glasfloss.com · (214) 741-7056   PRODUCT BULLETIN 9ZPAK • SECTION 9 • 11-1 -15

Z-PAK SYNTHETIC SERIES

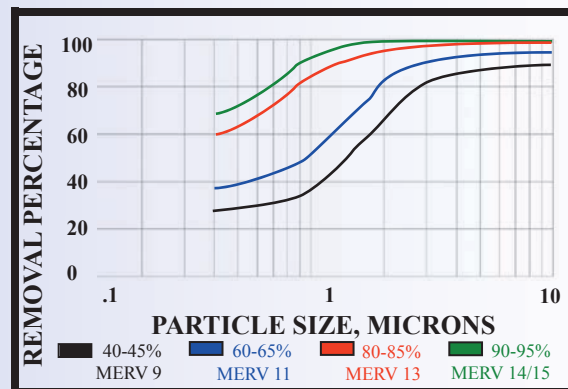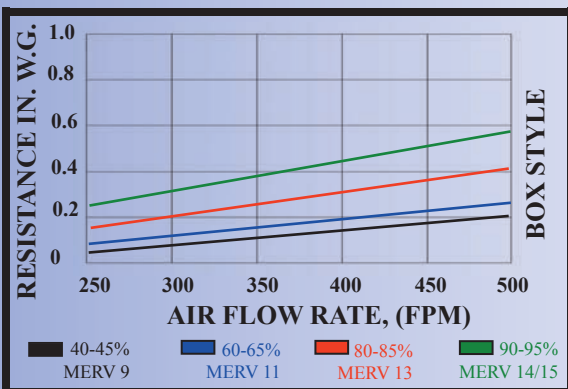| BASE MODEL NUMBER	SIZE W x H x D NOMINAL	SIZE W x H x D EXACT	RATED VELOCITY FPM	INITIAL RESIST. IN. W.G. BOX	INITIAL RESIST. IN. W.G. HEADER	FINAL RESIST. IN. WG.	MEDIA SQUARE FEET
MERV 14 - 90-95% Efficiency							
ZPS242412	24 X 24 X 12	23-3/8 X 23-3/8 X 11-1/2	500	.55	.65	1.50	58.33
ZPS122412	12 X 24 X 12	11-3/8 X 23-3/8 X 11-1/2	500	.55	.65	1.50	29.17
ZPS202012	20 X 20 X 12	19-3/8 X 19-3/8 X 11-1/2	500	.55	.65	1.50	42.66
ZPS202412	20 X 24 X 12	19-3/8 X 23-3/8 X 11-1/2	500	.55	.65	1.50	47.40
ZPS252012	25 X 20 X 12	24-3/8 X 19-3/8 X 11-1/2	500	.55	.65	1.50	55.78
ZPS24246	24 X 24 X 6	23-3/8 X 23-3/8 X 5-7/8	250	.29	.37	1.50	26.39
ZPS12246	12 X 24 X 6	11-3/8 X 23-3/8 X 5-7/8	250	.29	.37	1.50	13.20
ZPS20206	20 X 20 X 6	19-3/8 X 19-3/8 X 5-7/8	250	.29	.37	1.50	19.30
ZPS20246	20 X 24 X 6	19-3/8 X 23-3/8 X 5-7/8	250	.29	.37	1.50	21.45
ZPS25206	25 X 20 X 6	24-3/8 X 19-3/8 X 5-7/8	250	.29	.37	1.50	25.24
MERV 13 - 80-85% Efficiency							
ZPS242412	24 X 24 X 12	23-3/8 X 23-3/8 X 11-1/2	500	.40	.54	1.50	58.33
ZPS122412	12 X 24 X 12	11-3/8 X 23-3/8 X 11-1/2	500	.40	.54	1.50	29.17
ZPS202012	20 X 20 X 12	19-3/8 X 19-3/8 X 11-1/2	500	.40	.54	1.50	42.66
ZPS202412	20 X 24 X 12	19-3/8 X 23-3/8 X 11-1/2	500	.40	.54	1.50	47.40
ZPS252012	25 X 20 X 12	24-3/8 X 19-3/8 X 11-1/2	500	.40	.54	1.50	55.78
ZPS24246	24 X 24 X 6	23-3/8 X 23-3/8 X 5-7/8	250	.22	.28	1.50	26.39
ZPS12246	12 X 24 X 6	11-3/8 X 23-3/8 X 5-7/8	250	.22	.28	1.50	13.20
ZPS20206	20 X 20 X 6	19-3/8 X 19-3/8 X 5-7/8	250	.22	.28	1.50	19.30
ZPS20246	20 X 24 X 6	19-3/8 X 23-3/8 X 5-7/8	250	.22	.28	1.50	21.45
ZPS25206	25 X 20 X 6	24-3/8 X 19-3/8 X 5-7/8	250	.22	.28	1.50	25.24
MERV 11 - 60-65% Efficiency							
ZPS242412	24 X 24 X 12	23-3/8 X 23-3/8 X 11-1/2	500	.24	.34	1.50	58.33
ZPS122412	12 X 24 X 12	11-3/8 X 23-3/8 X 11-1/2	500	.24	.34	1.50	29.17
ZPS202012	20 X 20 X 12	19-3/8 X 19-3/8 X 11-1/2	500	.24	.34	1.50	42.66
ZPS202412	20 X 24 X 12	19-3/8 X 23-3/8 X 11-1/2	500	.24	.34	1.50	47.40
ZPS252012	25 X 20 X 12	24-3/8 X 19-3/8 X 11-1/2	500	.24	.34	1.50	55.78
ZPS24246	24 X 24 X 6	23-3/8 X 23-3/8 X 5-7/8	250	.14	.22	1.50	26.39
ZPS12246	12 X 24 X 6	11-3/8 X 23-3/8 X 5-7/8	250	.14	.22	1.50	13.20
ZPS20206	20 X 20 X 6	19-3/8 X 19-3/8 X 5-7/8	250	.14	.22	1.50	19.30
ZPS20246	20 X 24 X 6	19-3/8 X 23-3/8 X 5-7/8	250	.14	.22	1.50	21.45
ZPS25206	25 X 20 X 6	24-3/8 X 19-3/8 X 5-7/8	250	.14	.22	1.50	25.24
MERV 9 - 40-45% Efficiency							
ZPS242412	24 X 24 X 12	23-3/8 X 23-3/8 X 11-1/2	500	.20	.25	1.50	58.33
ZPS122412	12 X 24 X 12	11-3/8 X 23-3/8 X 11-1/2	500	.20	.25	1.50	29.17
ZPS202012	20 X 20 X 12	19-3/8 X 19-3/8 X 11-1/2	500	.20	.25	1.50	42.66
ZPS202412	20 X 24 X 12	19-3/8 X 23-3/8 X 11-1/2	500	.20	.25	1.50	47.40
ZPS252012	25 X 20 X 12	24-3/8 X 19-3/8 X 11-1/2	500	.20	.25	1.50	55.78
ZPS24246	24 X 24 X 6	23-3/8 X 23-3/8 X 5-7/8	250	.11	.16	1.50	26.39
ZPS12246	12 X 24 X 6	11-3/8 X 23-3/8 X 5-7/8	250	.11	.16	1.50	13.20
ZPS20206	20 X 20 X 6	19-3/8 X 19-3/8 X 5-7/8	250	.11	.16	1.50	19.30
ZPS20246	20 X 24 X 6	19-3/8 X 23-3/8 X 5-7/8	250	.11	.16	1.50	21.45
ZPS25206	25 X 20 X 6	24-3/8 X 19-3/8 X 5-7/8	250	.11	.16	1.50	25.24

Tolerances shall be +/- 1/16" for width and height. The frame depth shall not exceed 5-7/8" and 11-1/2". All special sizes will be undersized 1/4" unless specified otherwise. Header thickness shall be 13/16". Performance values based on ASHRAE and in-house testing methods.

STANDARD PRESSURE DROP
Test Filter Size 24" x 24" x 12" Nominal

| 40-45% MERV 9 | 60-65% MERV 11 | 80-85% MERV 13 | 90-95% MERV 14/15 |

MINIMUM PARTICLE SIZE EFFICIENCY
Test Filter Size 24" x 24" x 12" Nominal

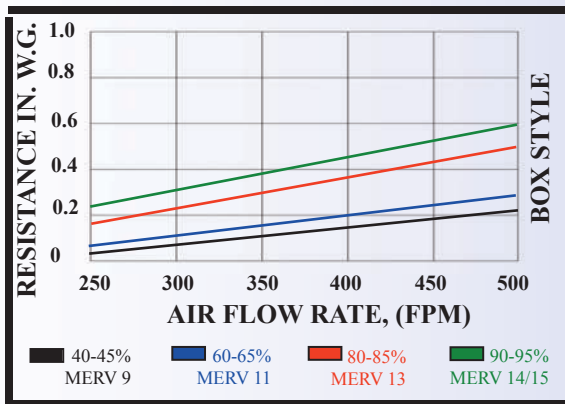| 40-45% MERV 9 | 60-65% MERV 11 | 80-85% MERV 13 | 90-95% MERV 14/15 |

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THE CLEAR CHOICE SINCE 1936

Z-PAK FIBERGLASS 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. BOX	INITIAL RESIST. IN. W.G. HEADER	FINAL RESIST. IN. WG.	MEDIA SQUARE FEET
MERV 15 - 90-95% Efficiency							
ZPK242412	24 X 24 X 12	23-3/8 X 23-3/8 X 11-1/2	500	0.59	0.70	1.50	58.33
ZPK122412	12 X 24 X 12	11-3/8 X 23-3/8 X 11-1/2	500	0.59	0.70	1.50	29.17
ZPK202012	20 X 20 X 12	19-3/8 X 19-3/8 X 11-1/2	500	0.59	0.70	1.50	42.66
ZPK202412	20 X 24 X 12	19-3/8 X 23-3/8 X 11-1/2	500	0.59	0.70	1.50	47.40
ZPK252012	25 X 20 X 12	24-3/8 X 19-3/8 X 11-1/2	500	0.59	0.70	1.50	55.78
ZPK24246	24 X 24 X 6	23-3/8 X 23-3/8 X 5-7/8	250	0.31	0.41	1.50	26.39
ZPK12246	12 X 24 X 6	11-3/8 X 23-3/8 X 5-7/8	250	0.31	0.41	1.50	13.20
ZPK20206	20 X 20 X 6	19-3/8 X 19-3/8 X 5-7/8	250	0.31	0.41	1.50	19.30
ZPK20246	20 X 24 X 6	19-3/8 X 23-3/8 X 5-7/8	250	0.31	0.41	1.50	21.45
ZPK25206	25 X 20 X 6	24-3/8 X 19-3/8 X 5-7/8	250	0.31	0.41	1.50	25.24
MERV 13 - 80-85% Efficiency							
ZPK242412	24 X 24 X 12	23-3/8 X 23-3/8 X 11-1/2	500	0.48	0.58	1.50	58.33
ZPK122412	12 X 24 X 12	11-3/8 X 23-3/8 X 11-1/2	500	0.48	0.58	1.50	29.17
ZPK202012	20 X 20 X 12	19-3/8 X 19-3/8 X 11-1/2	500	0.48	0.58	1.50	42.66
ZPK202412	20 X 24 X 12	19-3/8 X 23-3/8 X 11-1/2	500	0.48	0.58	1.50	47.40
ZPK252012	25 X 20 X 12	24-3/8 X 19-3/8 X 11-1/2	500	0.48	0.58	1.50	55.78
ZPK24246	24 X 24 X 6	23-3/8 X 23-3/8 X 5-7/8	250	0.26	0.35	1.50	26.39
ZPK12246	12 X 24 X 6	11-3/8 X 23-3/8 X 5-7/8	250	0.26	0.35	1.50	13.20
ZPK20206	20 X 20 X 6	19-3/8 X 19-3/8 X 5-7/8	250	0.26	0.35	1.50	19.30
ZPK20246	20 X 24 X 6	19-3/8 X 23-3/8 X 5-7/8	250	0.26	0.35	1.50	21.45
ZPK25206	25 X 20 X 6	24-3/8 X 19-3/8 X 5-7/8	250	0.26	0.35	1.50	25.24
MERV 11 - 60-65% Efficiency							
ZPK242412	24 X 24 X 12	23-3/8 X 23-3/8 X 11-1/2	500	.32	.48	1.50	58.33
ZPK122412	12 X 24 X 12	11-3/8 X 23-3/8 X 11-1/2	500	.32	.48	1.50	29.17
ZPK202012	20 X 20 X 12	19-3/8 X 19-3/8 X 11-1/2	500	.32	.48	1.50	42.66
ZPK202412	20 X 24 X 12	19-3/8 X 23-3/8 X 11-1/2	500	.32	.48	1.50	47.40
ZPK252012	25 X 20 X 12	24-3/8 X 19-3/8 X 11-1/2	500	.32	.48	1.50	55.78
ZPK24246	24 X 24 X 6	23-3/8 X 23-3/8 X 5-7/8	250	.21	.28	1.50	26.39
ZPK12246	12 X 24 X 6	11-3/8 X 23-3/8 X 5-7/8	250	.21	.28	1.50	13.20
ZPK20206	20 X 20 X 6	19-3/8 X 19-3/8 X 5-7/8	250	.21	.28	1.50	19.30
ZPK20246	20 X 24 X 6	19-3/8 X 23-3/8 X 5-7/8	250	.21	.28	1.50	21.45
ZPK25206	25 X 20 X 6	24-3/8 X 19-3/8 X 5-7/8	250	.21	.28	1.50	25.24
MERV 9 - 40-45% Efficiency							
ZPK242412	24 X 24 X 12	23-3/8 X 23-3/8 X 11-1/2	500	.22	.27	1.50	58.33
ZPK122412	12 X 24 X 12	11-3/8 X 23-3/8 X 11-1/2	500	.22	.27	1.50	29.17
ZPK202012	20 X 20 X 12	19-3/8 X 19-3/8 X 11-1/2	500	.22	.27	1.50	42.66
ZPK202412	20 X 24 X 12	19-3/8 X 23-3/8 X 11-1/2	500	.22	.27	1.50	47.40
ZPK252012	25 X 20 X 12	24-3/8 X 19-3/8 X 11-1/2	500	.22	.27	1.50	55.78
ZPK24246	24 X 24 X 6	23-3/8 X 23-3/8 X 5-7/8	250	.13	.18	1.50	26.39
ZPK12246	12 X 24 X 6	11-3/8 X 23-3/8 X 5-7/8	250	.13	.18	1.50	13.20
ZPK20206	20 X 20 X 6	19-3/8 X 19-3/8 X 5-7/8	250	.13	.18	1.50	19.30
ZPK20246	20 X 24 X 6	19-3/8 X 23-3/8 X 5-7/8	250	.13	.18	1.50	21.45
ZPK25206	25 X 20 X 6	24-3/8 X 19-3/8 X 5-7/8	250	.13	.18	1.50	25.24

Tolerances shall be +/- 1/16" for width and height. The frame depth shall not exceed 5-7/8" and 11-1/2". All special sizes will be undersized 1/4" unless specified otherwise. Header thickness shall be 13/16". Performance values based on ASHRAE and in-house testing methods.
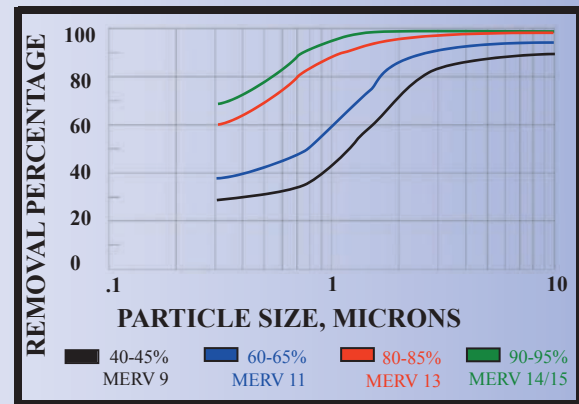
STANDARD PRESSURE DROP
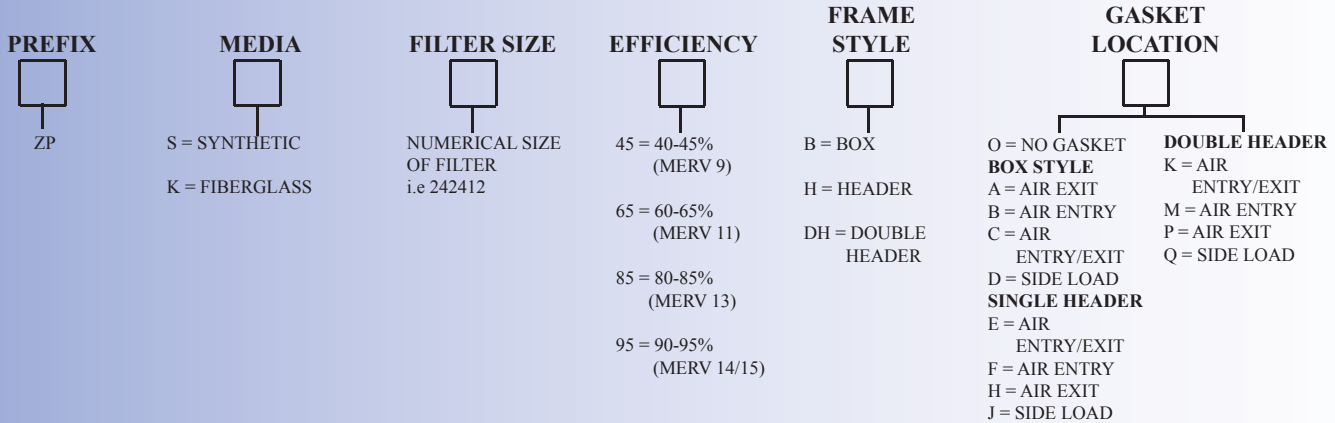**Test Filter Size 24" x 24" x 12" Nominal**

MINIMUM PARTICLE SIZE EFFICIENCY
Test Filter Size 24" x 24" x 12" Nominal

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Glasfloss®

PART NUMBER CONFIGURATION

PREFIX	MEDIA	FILTER SIZE	EFFICIENCY	FRAME STYLE	GASKET LOCATION

PREFIX
ZP

MEDIA
S = SYNTHETIC

K = FIBERGLASS

FILTER SIZE
NUMERICAL SIZE
OF FILTER
i.e 242412

EFFICIENCY
45 = 40-45%
(MERV 9)

65 = 60-65%
(MERV 11)

85 = 80-85%
(MERV 13)

95 = 90-95%
(MERV 14/15)

FRAME STYLE
B = BOX

H = HEADER

DH = DOUBLE
HEADER

GASKET LOCATION

O = NO GASKET
BOX STYLE
A = AIR EXIT
B = AIR ENTRY
C = AIR
ENTRY/EXIT
D = SIDE LOAD
SINGLE HEADER
E = AIR
ENTRY/EXIT
F = AIR ENTRY
H = AIR EXIT
J = SIDE LOAD

DOUBLE HEADER
K = AIR
ENTRY/EXIT
M = AIR ENTRY
P = AIR EXIT
Q = SIDE LOAD

> **Z-PAK SERIES FILTERS**

- High Efficiency Synthetic or Fiberglass Media
- Ideal for Variable Air Volume Systems
- 6" and 12" Depths
- Available with Box or Header Construction
- Ideal for High Humidity Applications
  (Synthetic Series)
- Spring Clip Holes (box style)

Glasfloss Z-PAK Series incorporates media
that is color coded to identify efficiency:
90-95% Yellow
80-85% Pink
60-65% Orange
40-45%*

*Tan/Yellow (Fiberglass), White (Synthetic)

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U. S. A.

ENERGY STAR PARTNER

Distributed by:

U L

NAFA
National Air
Filtration
Association

U.S. GREEN BUILDING COUNCIL
LEED
USGBC

[Z-PAK® GT SERIES]
Gas Turbine Series

- Heavy-Duty Construction for Gas Turbine Applications
- Synthetic Media for Extra Durability and Moisture Resistance
- Injection Molded Pleat Separators
- Extra Durability for Demanding HVAC Applications
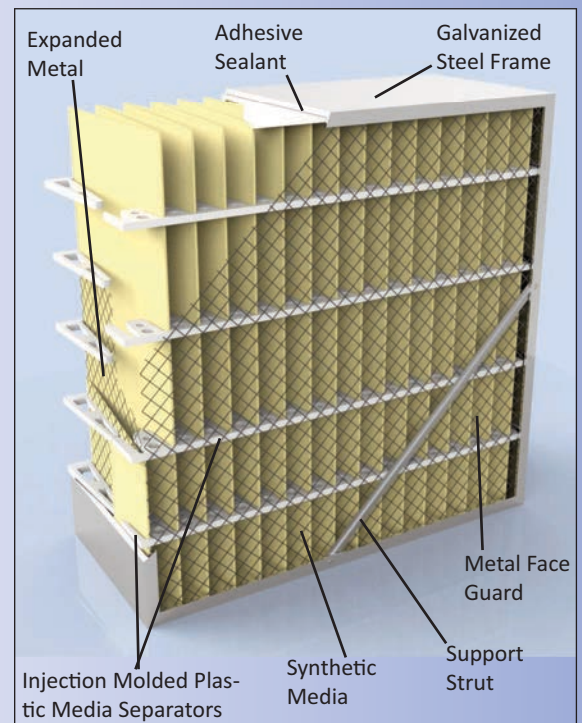- MERV 11, 13 and 14

FEATURES >

Glasfloss Z-Pak GT filters are designed to withstand the rigors of a gas turbine engine, centrifugal compressor and other high velocity applications. Heavy-duty face grills and additional media pack reinforcements ensure the integrity of the filters under the most demanding conditions. Z-Pak GT filters are available in 12" and 6" depths in most standard size dimensions in box style construction.

< SPECIFICATIONS

The Glasfloss Z-Pak GT Series frame shall be a rigid construction of 26 gauge galvanized steel. The media shall be a high density, 100% synthetic fiber. The filter media pack shall be constructed by pleating a continuous sheet of media into uniform spaced pleats that are separated by flame retardant, injection molded plastic media separators. There shall be four separate rows of media separators on the air entering sides and five separate rows on the air exit side. A heavy-duty expanded metal reinforcement shall be laminated to the air exit 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. Metal vertical brackets shall be utilized to stabilize the media pack and prevent air bypass. An expanded metal reinforcement face guard is on the air entering and air leaving sides of the frame to insure filter integrity and increase rigidity. The pleated media ends are adhered to the top and bottom of the metal frame with an adhesive sealant to prevent air bypass. Gasket material, 3/4" in width and 1/4" in thickness, is optional. The filter shall be rated to withstand temperatures up to 180 degrees Fahrenheit. The filters shall be Classified under U. L. Std. 900 and withstand up to 8 in. w.g. in an "Air Filter Breaching Test."
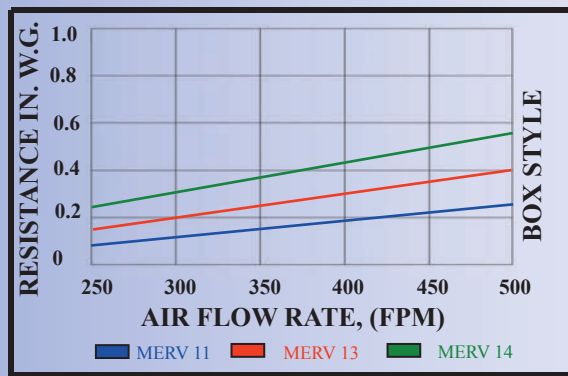

Expanded Metal · Adhesive Sealant · Galvanized Steel Frame · Metal Face Guard · Support Strut · Synthetic Media · Injection Molded Plastic Media Separators

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PRODUCT BULLETIN 9ZPAK • SECTION 9 • 11-1 -16

Z-PAK GT

MODEL NUMBER	SIZE W x H x D NOMINAL	SIZE W x H x D EXACT	RATED VELOC-ITY FPM	INITIAL RESIST. IN. W.G.	FINAL RESIST. IN. W.G.	MEDIA SQUARE FEET	WEIGHT (lbs.)
MERV 14							
ZPS24241295BOGT	24 X 24 X 12	23-3/8 X 23-3/8 X 11-1/2	500	.55	1.50	58.33	20
ZPS12241295BOGT	12 X 24 X 12	11-3/8 X 23-3/8 X 11-1/2	500	.55	1.50	29.17	14
ZPS2424695BOGT	24 X 24 X 6	23-3/8 X 23-3/8 X 5-7/8	250	.29	1.50	26.39	11
ZPS1224695BOGT	12 X 24 X 6	11-3/8 X 23-3/8 X 5-7/8	250	.29	1.50	13.20	8
MERV 13							
ZPS24241285BOGT	24 X 24 X 12	23-3/8 X 23-3/8 X 11-1/2	500	.41	1.50	58.33	20
ZPS12241285BOGT	12 X 24 X 12	11-3/8 X 23-3/8 X 11-1/2	500	.41	1.50	29.17	14
ZPS2424685BOGT	24 X 24 X 6	23-3/8 X 23-3/8 X 5-7/8	250	.23	1.50	26.39	11
ZPS1224685BOGT	12 X 24 X 6	11-3/8 X 23-3/8 X 5-7/8	250	.23	1.50	13.20	8
MERV 11							
ZPS24241265BOGT	24 X 24 X 12	23-3/8 X 23-3/8 X 11-1/2	500	.24	1.50	58.33	20
ZPS12241265BOGT	12 X 24 X 12	11-3/8 X 23-3/8 X 11-1/2	500	.24	1.50	29.17	14
ZPS2424665BOGT	24 X 24 X 6	23-3/8 X 23-3/8 X 5-7/8	250	.14	1.50	26.39	11
ZPS1224665BOGT	12 X 24 X 6	11-3/8 X 23-3/8 X 5-7/8	250	.14	1.50	13.20	8

* Model Number represents a non-gasketed filter.

STANDARD PRESSURE DROP
Test Filter Size 24" x 24" x 12" Nominal

BOX STYLE

MERV 11   MERV 13   MERV 14

MINIMUM PARTICLE SIZE EFFICIENCY
Test Filter Size 24" x 24" x 12" Nominal

MERV 11   MERV 13   MERV 14

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NAFA
National Air Filtration Association

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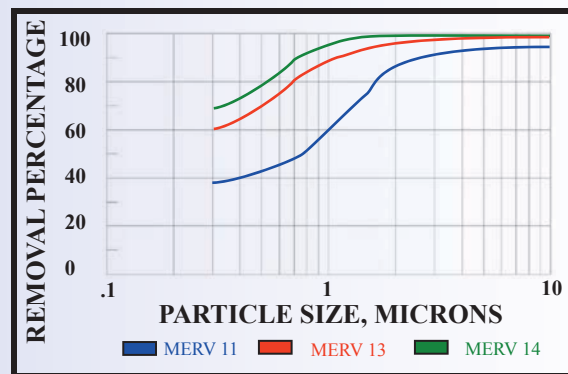
Glasfloss® Industries
Excellence in Air Filtration Since 1936

Z-PAK SERIES "S"
Synthetic Media
Rigid High Efficiency Air Filter

Base Part Number	Standard Size W x H x D	EFFICIENCY				Approx. Unit Weight lb.
		MERV 9	MERV 11	MERV 13	MERV 14	
ZPS242412	24 x 24 x 12	$182.24	$187.94	$193.71	$199.51	14
ZPS122412	12 x 24 x 12	$130.40	$134.45	$138.30	$141.64	9
ZPS202012	20 x 20 x 12	$157.06	$161.95	$167.71	$173.50	12
ZPS202412	20 x 24 x 12	$173.92	$179.31	$185.05	$190.84	13
ZPS252012	25 x 20 x 12	$173.92	$179.31	$185.05	$190.84	13

Base Part Number	Standard Size W x H x D	EFFICIENCY				Approx. Unit Weight lb.
		MERV 9	MERV 11	MERV 13	MERV 14	
ZPS24246	24 x 24 x 6	$122.66	$126.48	$130.04	$137.24	8
ZPS12246	12 x 24 x 6	$84.12	$86.67	$89.60	$93.18	5
ZPS20206	20 x 20 x 6	$105.12	$108.40	$111.27	$123.91	6
ZPS20246	20 x 24 x 6	$113.25	$119.20	$121.38	$126.47	7
ZPS25206	25 x 20 x 6	$113.25	$119.20	$121.38	$126.47	7

NOTE: The following Sizes & Part Numbers are normally in Stock for Quick Shipment

Size & Description	Part Number
24 x 24 x 12 MERV 14 Header	ZPS24241295HO
24 x 24 x 12 MERV 14 Box	ZPS24241295BO
12 x 24 x 12 MERV 14 Header	ZPS12241295HO
12 x 24 x 12 MERV 14 Box	ZPS12241295BO

To insure that Z-Paks are fabricated to meet job requirements, order by the exact Part Number requirement.

Example: 24x24x12 MERV 14 Single Header with Side Load Gasket.
Part Number = "ZPS24241295HJ"

"ZPS242412"	"95"	"H"	"J"

Base Part Number	Filter Efficiency	Frame Style	* Gasket Location (Number = sides)
Select the Character Base Part Number for Desired Size or Insert Exact Size and Efficiency For Special Size Z-Pak Series S. (Contact Factory for availability on Special Sizes)	45 = MERV 9 65 = MERV 11 85 = MERV 13 95 = MERV 14	B = Box H = Header DH = Double Header	O = No Gasket (0) **Box Style** A = Air Exit (4) B = Air Entry (4) C = Air Exit/Entry (8) D = Side Load (2) **Single Header** E = Air Entry/Exit (8) F = Air Entry (4) H = Air Exit (4) J = Side Load (2) S = Side Load (1) **Double Header** K = Air Entry/ Exit (8) M = Air Entry (4) P = Air Exit (4) Q = Side Load (2)

Special Size Z-Paks used next largest size and add + 30% to List Price. Maximum height = 24" nominal

* Foam Gasketing is optional on Z-Pak Filters:
Add $12.00 to List for (8) sides
Add $6.50 to List for (4) sides
Add $5.50 to List for (2) sides
Add $4.25 to List for (1) side

NOTE: Z-Pak GT (Gas Turbine Series) add +20% to List Price
Z-Pak GT Available in 24x24 & 12x24 Face Dimensions

Z-Pak

Fiberglass Media

Rigid High Efficiency Air Filter

Base Part Number	Standard Size W x H x D	EFFICIENCY				Approx. Unit Weight lb.
		MERV 9	MERV 11	MERV 13	MERV 15	
ZPK242412	24 x 24 x 12	$199.00	$205.17	$211.46	$217.78	14
ZPK122412	12 x 24 x 12	$142.38	$146.77	$148.34	$154.67	9
ZPK202012	20 x 20 x 12	$171.48	$176.75	$183.06	$189.39	12
ZPK202412	20 x 24 x 12	$189.86	$195.75	$201.99	$208.33	13
ZPK252012	25 x 20 x 12	$189.84	$195.75	$201.99	$208.33	13

Base Part Number	Standard Size W x H x D	EFFICIENCY				Approx. Unit Weight lb.
		MERV 9	MERV 11	MERV 13	MERV 15	
ZPK24246	24 x 24 x 6	$133.74	$138.08	$141.97	$149.82	8
ZPK12246	12 x 24 x 6	$91.75	$94.59	$98.33	$101.77	5
ZPK20206	20 x 20 x 6	$114.78	$118.32	$121.42	$133.62	6
ZPK20246	20 x 24 x 6	$126.17	$130.12	$132.53	$138.08	7
ZPK25206	25 x 20 x 6	$126.17	$130.12	$132.53	$138.08	7

To insure that Z-Paks are fabricated to meet job requirements, order by the exact Part Number requirement.

Example: 24x24x12 MERV 14 Single Header with Side Load Gasket.			
Part Number = "ZPK24241295HJ"			
"ZPK242412"	"95"	"H"	"J"

Base Part Number	Filter Efficiency	Frame Style	* Gasket Location (Number = sides)
Select the Character Base Part Number for Desired Size	45 = MERV 9	B = Box	O = No Gasket (0)
			Box Style
	65 = MERV 11	H = Header	A = Air Exit (4)
or			B = Air Entry (4)
	85 = MERV 13	DH = Double Header	C = Air Exit/Entry (8)
Insert Exact Size and Efficiency For Special Size Z-Pak.			D = Side Load (2)
	95 = MERV 15		**Single Header**
			E = Air Entry/Exit (8)
(Contact Factory for availability on Special Sizes)			F = Air Entry (4)
			H = Air Exit (4)
			J = Side Load (2)
			S = Side Load (1)
			Double Header
			K = Air Entry/ Exit (8)
			M = Air Entry (4)
			P = Air Exit (4)
			Q = Side Load (2)

* Foam Gasketing is optional on Z-Pak Filters:
Add $12.00 to List for (8) sides
Add $6.50 to List for (4) sides
Add $5.50 to List for (2) sides
Add $4.25 to List for (1) side

Special Size Z-Paks used next largest size and add + 30% to List Price. Maximum height = 24" nominal.
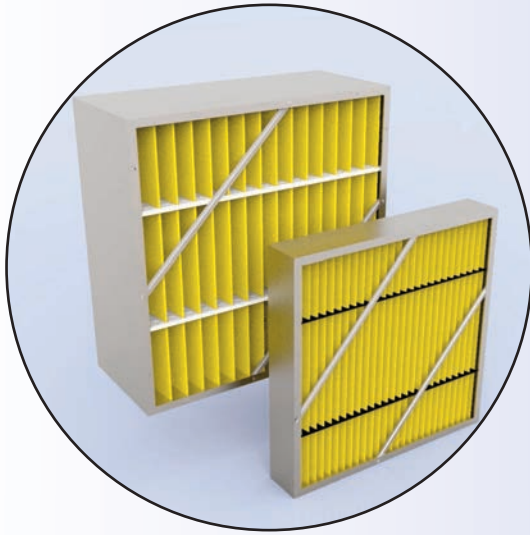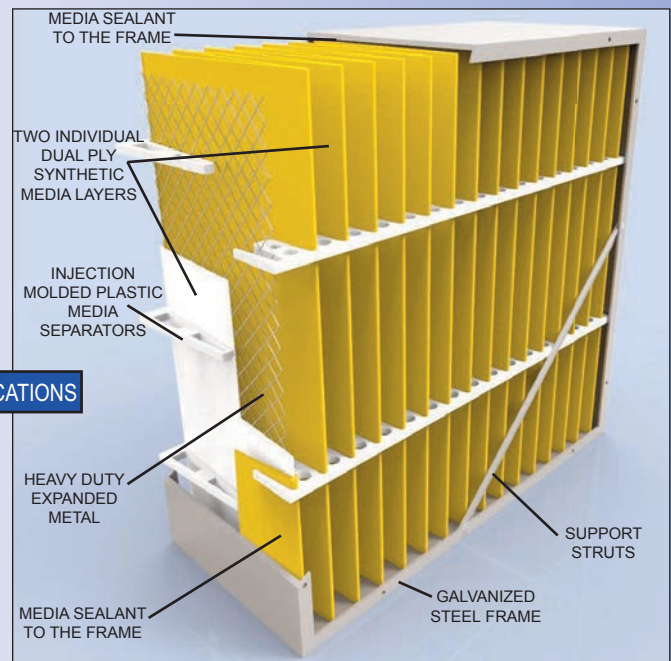
[Z-PAK® HC SERIES]
High Capacity Rigid Cell

- Low Pressure Drop and Superior Service Life
- Two Individual Dual Ply Synthetic Media Layers
- Injection Molded Pleat Separators
- Header or Box Styles
- High Dust Holding Capacity
- Ideal for VAV Systems

FEATURES >

Glasfloss Z-Pak HC rigid cell filters are designed for high efficiency applications and incorporate two individual filtration media layers that provide very low pressure drop and superior service life. The Z-Pak HC's total rigid construction makes it ideal for variable air volume systems (VAV), where changes in air flow can have an adverse effect on non-rigid type filters. Z-Pak HC filters are designed to handle high airflow and are available in MERV 14 performance.

The Glasfloss Z-Pak HC Series frame shall be a rigid construction of 26 gauge galvanized steel. A heavy gauge galvanized steel header is optional for the Z-Pak HC Series. The two distinct filtration media layers shall be a high density synthetic fiber blend. The filter media pack shall be constructed by pleating continuous sheets of media into uniform spaced pleats, which are separated and secured by flame retardant, injection molded plastic media separators. Heavy duty expanded metal shall be bonded and secured between the two layers of media. The heavy duty expanded metal shall be galvanized to resist rust and corrosion. The air entry and air exit side shall be fitted with two 26 gauge support struts. The pleated media ends are sealed and secured to the top and bottom of the metal frame to prevent air bypass. Gasket material, 3/4" in width and 1/4" in thickness, is optional. Glasfloss Z-Pak HC series filters shall be rated to withstand temperatures up to 180 degrees Fahrenheit. Glasfloss Z-Pak HC filters shall be Classified under U.L. std. 900.
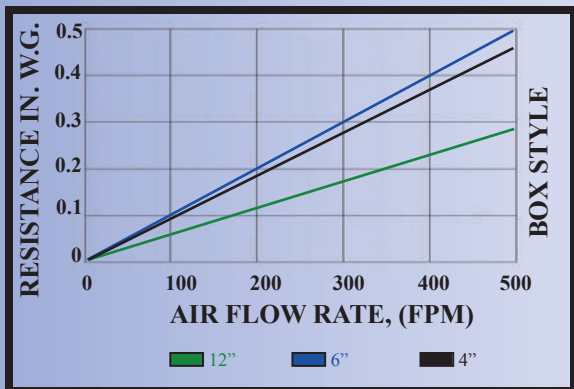
< **SPECIFICATIONS**

MEDIA SEALANT TO THE FRAME

TWO INDIVIDUAL DUAL PLY SYNTHETIC MEDIA LAYERS

INJECTION MOLDED PLASTIC MEDIA SEPARATORS

HEAVY DUTY EXPANDED METAL

MEDIA SEALANT TO THE FRAME

SUPPORT STRUTS

GALVANIZED STEEL FRAME

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PRODUCT BULLETIN 9ZPAKHC • SECTION 9 • 5-1-18

Z-PAK HC SYNTHETIC 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. WG.	MEDIA SQUARE FOOTAGE	
				BOX	HEADER		BOX	HEADER
MERV 14								
ZPS242412	24 X 24 X 12	23-3/8 X 23-3/8 X 11-1/2	500	.28	.35	1.50	58.33	52.50
ZPS122412	12 X 24 X 12	11-3/8 X 23-3/8 X 11-1/2	500	.28	.35	1.50	29.17	26.25
ZPS202412	20 X 24 X 12	19-3/8 X 23-3/8 X 11-1/2	500	.28	.35	1.50	47.40	42.66
ZPS24246	24 X 24 X 6	23-3/8 X 23-3/8 X 5-7/8	250	.24	.29	1.50	26.39	23.75
ZPS12246	12 X 24 X 6	11-3/8 X 23-3/8 X 5-7/8	250	.24	.29	1.50	13.20	11.88
ZPS20246	20 X 24 X 6	19-3/8 X 23-3/8 X 5-7/8	250	.24	.29	1.50	21.45	19.30
ZPS24244	24 X 24 X 4	23-3/8 X 23-3/8 X 3-3/4	250	.23	.28	1.50	38.91	35.10
ZPS12244	12 X 24 X 4	11-3/8 X 23-3/8 X 3-3/4	250	.23	.28	1.50	18.95	17.15
ZPS20244	20 X 24 X 4	19-3/8 X 23-3/8 X 3-3/4	250	.23	.28	1.50	32.29	29.06

Tolerances shall be +/- 1/16" for width and height. The frame depth shall not exceed 11-1/2", 5-7/8" and 3-3/4".
Header thickness shall be 13/16". Performance values based on ASHRAE and in-house testing methods.

STANDARD PRESSURE DROP
Test Filter Size 24" x 24" x 12" Nominal

RESISTANCE IN. W.G. / AIR FLOW RATE, (FPM) / BOX STYLE
■ 12" ■ 6" ■ 4"

MINIMUM PARTICLE SIZE EFFICIENCY
Test Filter Size 24" x 24" x 12" Nominal

REMOVAL PERCENTAGE / PARTICLE SIZE, MICRONS
■ MERV 14

PART NUMBER CONFIGURATION

PREFIX	MEDIA	FILTER SIZE	EFFICIENCY	FRAME STYLE	GASKET LOCATION	SUFFIX
ZP	S = SYNTHETIC	NUMERICAL SIZE OF FILTER i.e 242412	95 = (MERV 14)	B = BOX	O = NO GASKET	HC

FRAME STYLE:
B = BOX
H = HEADER
DH = DOUBLE HEADER

GASKET LOCATION:
O = NO GASKET
BOX STYLE
A = AIR EXIT
B = AIR ENTRY
C = AIR ENTRY / EXIT
D = SIDE LOAD
SINGLE HEADER
E = AIR ENTRY / EXIT
F = AIR ENTRY
H = AIR EXIT
J = SIDE LOAD (2)
S = SIDE LOAD (1)
DOUBLE HEADER
K = AIR ENTRY / EXIT
M = AIR ENTRY
P = AIR EXIT
Q = SIDE LOAD

MADE IN U.S.A.

ENERGY STAR PARTNER

Distributed by:

NAFA National Air Filtration Association

UL

Glasfloss® Industries
Excellence in Air Filtration Since 1936

Z-PAK® SERIES "HC"
MERV 14 High Capacity Dual-Ply Synthetic Media
Rigid Air Filter

Base Part Number	Standard Size W x H x D	EFFICIENCY MERV 14	Approx. Unit Weight lb.
ZPS242412	24 x 24 x 12	$249.35	16
ZPS122412	12 x 24 x 12	$177.11	11
ZPS202412	20 x 24 x 12	$238.56	15
ZPS24246	24 x 24 x 6	$160.82	9
ZPS12246	12 x 24 x 6	$114.24	6
ZPS20246	20 x 24 x 6	$153.87	8
ZPS24244	24 x 24 x 4	$155.80	8
ZPS12244	12 x 24 x 4	$110.65	5
ZPS20244	20 x 24 x 4	$152.03	7

To insure that the Z-Pak HC is fabricated to meet job requirements, order by the exact Part Number requirement.

Example: 24x24x12 MERV 14 Single Header with Side Load Gasket.				
Part Number = "ZPS24241295HJHC"				
"ZPS242412"	**"95"**	**"H"**	**"J"**	**"HC"**

Base Part Number	Filter Efficiency	Frame Style	* Gasket Location (Number = sides)	Standard HC Suffix
Select the Character Base Part Number for Desired Size	95 = MERV 14	B = Box H = Header DH = Double Header	O = No Gasket (0) **Box Style** A = Air Exit (4) B = Air Entry (4) C = Air Exit/Entry (8) D = Side Load (2) **Single Header** E = Air Entry/Exit (8) F = Air Entry (4) H = Air Exit (4) J = Side Load (2) S = Side Load (1) **Double Header** K = Air Entry/ Exit (8) M = Air Entry (4) P = Air Exit (4) Q = Side Load (2)	HC

* Foam Gasketing is optional on Z-Pak HC Filters -
Add $12.00 to List for (8) sides
Add $6.50 to List for (4) sides
Add $5.50 to List for (2) sides
Add $4.25 to List for (1) side
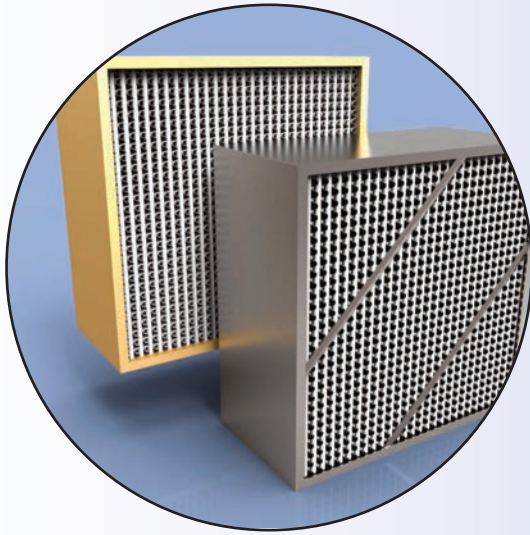
Glasfloss®

[MAGNA]
600, 800 & 900 Series

- High Efficiency Glass Microfiber
- Heavy-Duty 3/4" Particleboard or Galvanized Metal Frames
- Sealed Media Pack
- Optional 1/4" Thick Gasketing
- High Capacity and High Temperature Filters Available

FEATURES >

Glasfloss Magna 600, 800 and 900 Series filters are designed to meet exact specifications in medium- to high-efficiency commercial or industrial applications. Performance efficiency ranges include 600 Series: MERV 11, 800 Series: MERV 13 and 900 Series: MERV 14. Glasfloss Magna filters are produced in a wide range of sizes, frame types and header combinations and are ideal for converting or upgrading existing systems. Glasfloss Magna Series filters are designed for use where a high degree of cleanliness is required and contaminants must be removed to protect life, products or building interiors. The filters are ideal in a variety of applications including hospitals, manufacturing plants, microelectronic component assembly, food processing, gas turbine, centrifugal compressor and high temperature processes.

The frame shall be made of a rigid high-density 3/4" particleboard or 26-gauge galvanized metal. The metal frame shall have two support struts on the air-entry and air-exit sides. A 26-gauge galvanized steel header is available on the metal frame. The media shall be constructed of a water-resistant inorganic glass microfiber. For quality assurance, the glass microfiber media rolls are randomly tested and certified to meet minimum efficiency requirements by the media manufacturer. The media pack shall consist of a continuous sheet of the pleated glass microfiber. The pleated media pack is separated with multiple rolled-edge corrugated aluminum separators. The media pack shall be pressure-fitted with a synthetic media gasket on metal frame filters. A 1/4" thick gasket shall be applied on the filter as an option. The filter shall be rated to withstand temperatures up to 180 degrees Fahrenheit. The particleboard filters and metal frame filters shall be Classified under U. L. Std. 900. The Magna Series shall have the following performance.
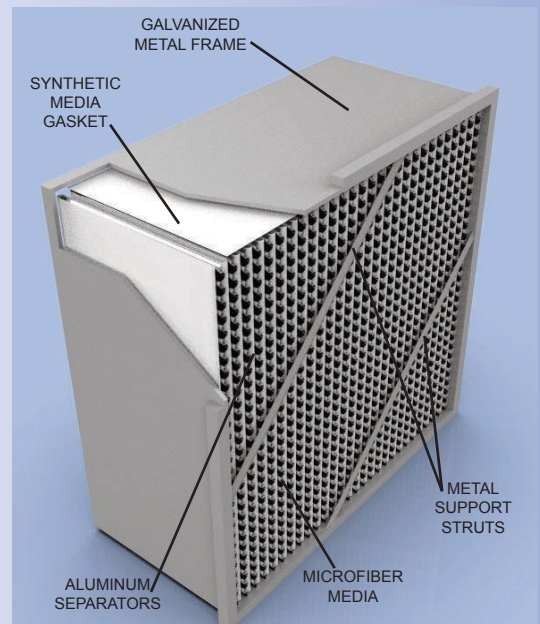
< SPECIFICATIONS

GALVANIZED METAL FRAME
SYNTHETIC MEDIA GASKET
METAL SUPPORT STRUTS
ALUMINUM SEPARATORS
MICROFIBER MEDIA

Series	600	800	900
Avg. Efficiency	60-65%	80-85%	90-95%
MERV	11	13	14

www.glasfloss.com • (214) 741-7056   PRODUCT BULLETIN 10A-1 • SECTION 10 • 5-30-18

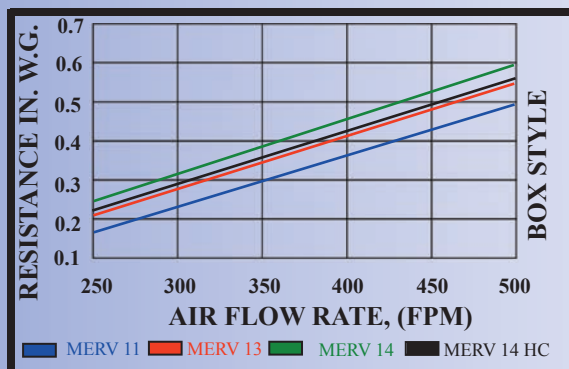## 600 Series: MERV 11 & 800 Series: MERV 13

BASE MODEL NUMBER		SIZE H x W x D NOMINAL	SIZE H x W x D EXACT	RATED VELOCITY FPM	INITIAL RESIST. IN. W.G.		MEDIA SQUARE FEET	SIZE H x W x D NOMINAL MM	RATED VELOCITY M/H	INITIAL RESIST. PASCALS	
MERV 11	MERV 13				MERV 11	MERV 13				MERV 11	MERV 13
2016A1	2016A2	20 x 16 x 6	19-3/8 x 15-3/8 x 5-7/8	250	.20	.30	30.46	508 x 406 x 152	4575	49.7	74.6
2020A1	2020A2	20 x 20 x 6	19-3/8 x 19-3/8 x 5-7/8	250	.20	.30	38.67	508 x 508 x 152	4575	49.7	74.6
2412A1	2412A2	24 x 12 x 6	23-3/8 x 11-3/8 x 5-7/8	250	.20	.30	27.46	610 x 305 x 152	4575	49.7	74.6
2418A1	2418A2	24 x 18 x 6	23-3/8 x 17-3/8 x 5-7/8	250	.20	.30	41.85	610 x 457 x 152	4575	49.7	74.6
2420A1	2420A2	24 x 20 x 6	23-3/8 x 19-3/8 x 5-7/8	250	.20	30	46.49	610 x 508 x 152	4575	49.7	74.6
2424A1	2424A2	24 x 24 x 6	23-3/8 x 23-3/8 x 5-7/8	250	.20	.30	55.46	610 x 610 x 152	4575	49.7	74.6
1625A1	1625A2	16 x 25 x 6	15-3/8 x 24-3/8 x 5-7/8	250	.20	.30	38.79	406 x 635 x 152	4575	49.7	74.6
2025A1	2025A2	20 x 25 x 6	19-3/8 x 24-3/8 x 5-7/8	250	.20	.30	48.19	508 x 635 x 152	4575	49.7	74.6
2016B1	2016B2	20 x 16 x 12	19-3/8 x 15-3/8 x 11-1/2	500	.50	.55	61.38	508 x 406 x 305	9150	124.4	136.8
2020B1	2020B2	20 x 20 x 12	19-3/8 x 19-3/8 x 11-1/2	500	.50	.55	76.24	508 x 508 x 305	9150	124.4	136.8
2412B1	2412B2	24 x 12 x 12	23-3/8 x 11-3/8 x 11-1/2	500	.50	.55	55.82	610 x 305 x 305	9150	124.4	136.8
2418B1	2418B2	24 x 18 x 12	23-3/8 x 17-3/8 x 11-1/2	500	.50	.55	82.4	610 x 457 x 305	9150	124.4	136.8
2420B1	2420B2	24 x 20 x 12	23-3/8 x 19-3/8 x 11-1/2	500	.50	.55	91.22	610 x 508 x 305	9150	124.4	136.8
2424B1	2424B2	24 x 24 x 12	23-3/8 x 23-3/8 x 11-1/2	500	.50	.55	110.91	610 x 610 x 305	9150	124.4	136.8
1625B1	1625B2	16 x 25 x 12	15-3/8 x 24-3/8 x 11-1/2	500	.50	.55	76.95	406 x 635 x 305	9150	124.4	136.8
2025B1	2025B2	20 x 25 x 12	19-3/8 x 24-3/8 x 11-1/2	500	.50	.55	95.16	508 x 635 x 305	9150	124.4	136.8

900 Series: MERV 14

BASE MODEL NUMBER	SIZE H x W x D NOMINAL	SIZE H x W x D EXACT	RATED VELOCITY FPM	INITIAL RESIST. IN. W.G.		MEDIA SQUARE FEET		SIZE H x W x D NOMINAL MM	RATED VELOCITY M/H	INITIAL RESIST. PASCALS	
				MERV 14	HC	MERV 14	HC			MERV 14	HC
2016A3	20 x 16 x 6	19-3/8 x 15-3/8 x 5-7/8	250	.35	-	30.46	-	508 x 406 x 152	4575	87.1	-
2020A3	20 x 20 x 6	19-3/8 x 19-3/8 x 5-7/8	250	.35	-	38.67	-	508 x 508 x 152	4575	87.1	-
2412A3	24 x 12 x 6	23-3/8 x 11-3/8 x 5-7/8	250	.35	-	27.46	-	610 x 305 x 152	4575	87.1	-
2418A3	24 x 18 x 6	23-3/8 x 17-3/8 x 5-7/8	250	.35	-	41.85	-	610 x 457 x 152	4575	87.1	-
2420A3	24 x 20 x 6	23-3/8 x 19-3/8 x 5-7/8	250	.35	-	46.49	-	610 x 508 x 152	4575	87.1	-
2424A3	24 x 24 x 6	23-3/8 x 23-3/8 x 5-7/8	250	.35	-	55.46	-	610 x 610 x 152	4575	87.1	-
1625A3	16 x 25 x 6	15-3/8 x 24-3/8 x 5-7/8	250	.35	-	38.79	-	406 x 635 x 152	4575	87.1	-
2025A3	20 x 25 x 6	19-3/8 x 24-3/8 x 5-7/8	250	.35	-	48.19		508 x 635 x 152	4575	87.1	-
2016B3	20 x 16 x 12	19-3/8 x 15-3/8 x 11-1/2	500	.60	.55	61.38	73.66	508 x 406 x 305	9150	149.3	136.8
2020B3	20 x 20 x 12	19-3/8 x 19-3/8 x 11-1/2	500	.60	.55	76.24	91.49	508 x 508 x 305	9150	149.3	136.8
2412B3	24 x 12 x 12	23-3/8 x 11-3/8 x 11-1/2	500	.60	.55	55.82	66.98	610 x 305 x 305	9150	149.3	136.8
2418B3	24 x 18 x 12	23-3/8 x 17-3/8 x 11-1/2	500	.60	.55	82.4	98.88	610 x 457 x 305	9150	149.3	136.8
2420B3	24 x 20 x 12	23-3/8 x 19-3/8 x 11-1/2	500	.60	.55	91.22	109.46	610 x 508 x 305	9150	149.3	136.8
2424B3	24 x 24 x 12	23-3/8 x 23-3/8 x 11-1/2	500	.60	.55	110.91	133.09	610 x 610 x 305	9150	149.3	136.8
1625B3	16 x 25 x 12	15-3/8 x 24-3/8 x 11-1/2	500	.60	.55	76.95	92.34	406 x 635 x 305	9150	149.3	136.8
2025B3	20 x 25 x 12	19-3/8 x 24-3/8 x 11-1/2	500	.60	.55	95.16	114.19	508 x 635 x 305	9150	149.3	136.8

Tolerances shall be +/- 1/16" for height and width. The frame depth shall not exceed 5-7/8" and 11-1/2". High Capacity MERV 14 Magna filters contains 20% more media.

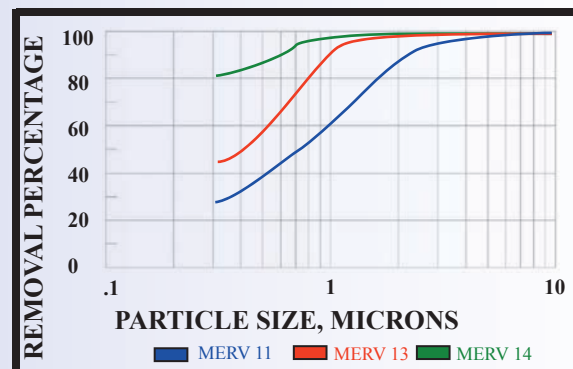*Performance values based on ASHRAE and in-house testing methods. Recommended final resistance is 1.50" in. w.g.*

STANDARD PRESSURE DROP
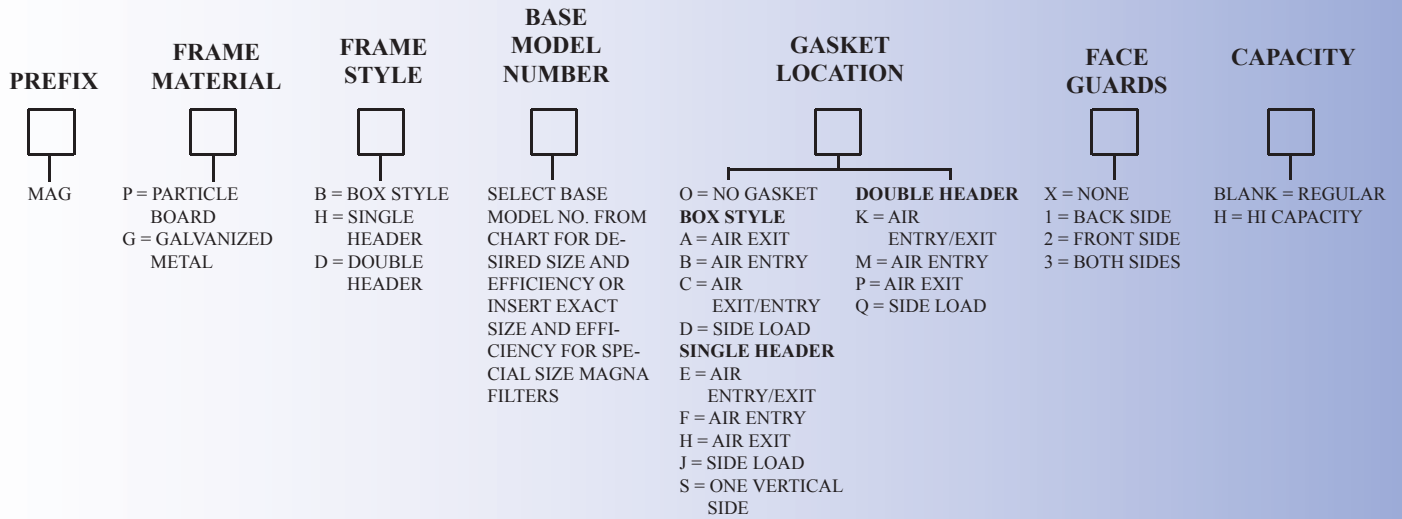**Test Filter Size 24" x 24" x 12" Nominal**

MINIMUM PARTICLE SIZE EFFICIENCY
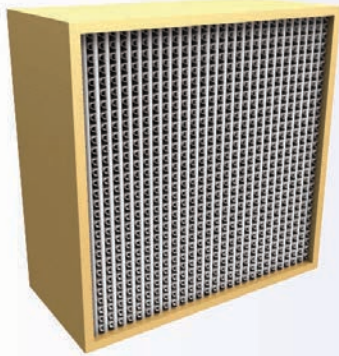**Test Filter Size 24" x 24" x 12" Nominal**

PART NUMBER CONFIGURATION

PREFIX	FRAME MATERIAL	FRAME STYLE	BASE MODEL NUMBER	GASKET LOCATION	FACE GUARDS	CAPACITY
☐	☐	☐	☐	☐	☐	☐

PREFIX	FRAME MATERIAL	FRAME STYLE	BASE MODEL NUMBER	GASKET LOCATION		FACE GUARDS	CAPACITY
MAG	P = PARTICLE BOARD G = GALVANIZED METAL	B = BOX STYLE H = SINGLE HEADER D = DOUBLE HEADER	SELECT BASE MODEL NO. FROM CHART FOR DESIRED SIZE AND EFFICIENCY OR INSERT EXACT SIZE AND EFFICIENCY FOR SPECIAL SIZE MAGNA FILTERS	O = NO GASKET **BOX STYLE** A = AIR EXIT B = AIR ENTRY C = AIR EXIT/ENTRY D = SIDE LOAD **SINGLE HEADER** E = AIR ENTRY/EXIT F = AIR ENTRY H = AIR EXIT J = SIDE LOAD S = ONE VERTICAL SIDE	**DOUBLE HEADER** K = AIR ENTRY/EXIT M = AIR ENTRY P = AIR EXIT Q = SIDE LOAD	X = NONE 1 = BACK SIDE 2 = FRONT SIDE 3 = BOTH SIDES	BLANK = REGULAR H = HI CAPACITY

WOOD BOX

Air Flow

METAL SINGLE HEADER

Air Flow

METAL BOX

Air Flow

METAL DOUBLE HEADER

Air Flow

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Features:

- Media produced from glass microfibers are moisture resistant and will not support microbial growth.
- Frame is available in either 3/4" particleboard or 26-gauge galvanized metal.
- Aluminum separators incorporate rolled edges that help prevent media chaffing and damage in handling.
- The filter cartridge is secured within the frame using a pressure-fit synthetic media gasket on metal frames and a two-part polyurethane sealant on particleboard frames to prevent air-bypass.
- Magna 600, 800 and 900 series are available in standard and special size face dimensions.

Optional Features:

- An expanded metal wire lathe face guard can be placed on air-entry and/or air-exit side of the filter.
- High-temperature, high-capacity and turbine-style filters are available.
- A 1/4" thick gasket may be applied on the filter.

SPECIFICATIONS FOR MAGNA SERIES

Series	600	800	900
Avg. Efficiency	60-65%	80-85%	90-95%
MERV	11	13	14

The filter element shall be factory-constructed by pleating a continuous sheet of glass microfiber media into uniform spaced pleats which are separated by rolled-edge corrugated aluminum. The filter pack shall be encased in a rigid frame of 3/4" particleboard or 26-gauge galvanized metal. The media pack shall be pressure-fitted with a synthetic media gasket on metal frame filters. The 26-gauge steel frames shall have two support struts on the air-entry and air-exit sides. The frame shall not exceed 5-7/8" or 11-1/2" in depth and standard tolerances shall be +/- 1/16" on height and width. Each filter shall be packaged into a heavy-duty carton. All filters shall be Classified under U. L. Std. 900.

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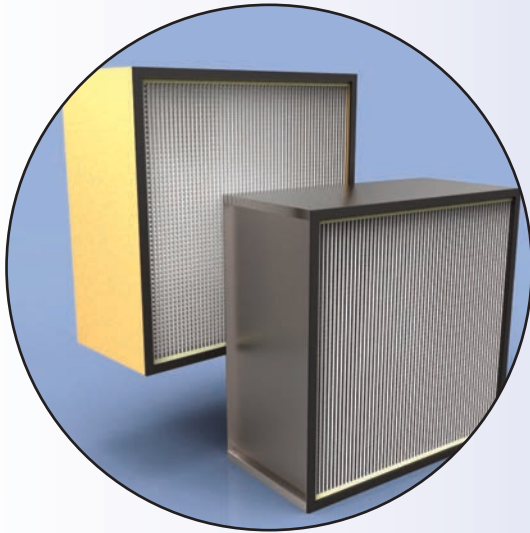
MAGNA
950, 1000, 1100 & 1200 Series

- High Efficiency Glass Microfiber
- Heavy-Duty 3/4" Particleboard or Galvanized Metal Frames
- Two Part Polyurethane Sealant
- Standard Neoprene Gasketing
- High Capacity Filters Available

FEATURES >

The Glasfloss Magna Series HEPA grade air filters are designed for high-efficiency commercial and industrial applications. Magna Series efficiency ranges include: 950 Series - 95% (MERV 16), 1000 Series - 99.97%, 1100 Series - 99.99% and 1200 Series - 99.999%, all based on a .30 micron particle. Glasfloss Magna filters are produced in a wide range of sizes, frame types and header combinations and are ideal for converting or upgrading existing systems. As an option, Glasfloss High-Capacity Magna filter models are also available for higher velocity applications and incorporate more media area for lower resistance.

The frame shall be made of a rigid high-density 3/4" particleboard or 18-gauge galvanized metal (26-gauge galvanized metal frame is used for the Magna 950 Series - 95% MERV 16). A 26-gauge galvanized steel header is available on the metal frame on 950 Series. The media shall be constructed of a water-resistant, inorganic glass microfiber. For quality assurance, the glass microfiber media rolls are randomly tested and certified to meet minimum efficiency requirements by the media manufacturer. The media pack shall consist of a continuous sheet of the pleated glass microfiber. The pleated media pack is separated with multiple rolled-edge corrugated aluminum separators. The media cartridge shall be sealed with a fire-retarding, rubber base, two-part sealant that bonds the media and separators to the interior of the frame. A 1/4" thick closed cell neoprene gasket shall be applied on the filter. The filter shall be rated to withstand temperatures at a continuous 180º Fahrenheit. The 95% (MERV 16), 99.97%, 99.99% and 99.999% Magna filters shall be Classified under U. L. Std. 900.

< SPECIFICATIONS

GALVANIZED METAL FRAME
TWO PART SEALANT
ALUMINUM SEPARATORS
MICROFIBER MEDIA
GASKETING
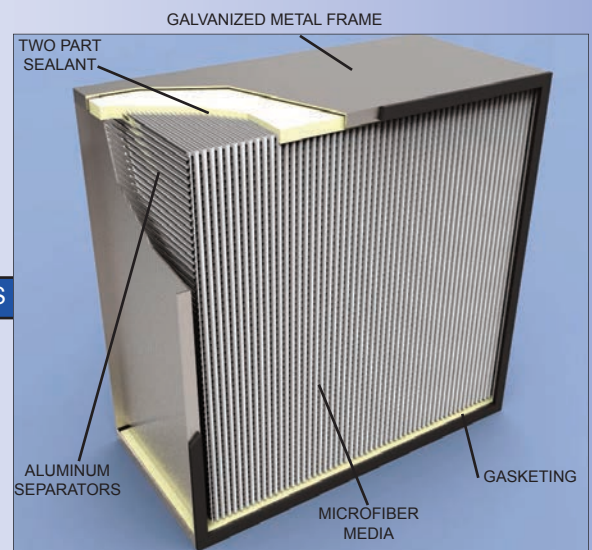
BASE MODEL NUMBER	SIZE H x W x D EXACT	RATED VELOCITY FPM			INITIAL RESIST. IN. W.G.			MEDIA SQUARE FEET			INITIAL RESIST. IN. W.G.			MEDIA SQUARE FEET		
		Std	HC	SHC	Std	HC	SHC	Std	HC	SHC	Std	HC	SHC	Std	HC	SHC
950 Series - 95% (MERV 16)					**Box Style**											
0808A4	8 x 8 x 5-7/8	175	-	-	0.50	-	-	13.06	-	-	-	-	-	-	-	-
1212A4	12 x 12 x 5-7/8	175	-	-	0.50	-	-	29.75	-	-	-	-	-	-	-	-
2412A4	24 x 12 x 5-7/8	175	-	-	0.50	-	-	58.75	-	-	-	-	-	-	-	-
2418A4	24 x 18 x 5-7/8	175	-	-	0.50	-	-	88.13	-	-	-	.-	-	-	-	-
2424A4	24 x 24 x 5-7/8	175	-	-	0.50	-	-	117.50	-	-	-	-	-	-	-	-
2430A4	24 x 30 x 5-7/8	175	-	-	0.50	-	-	146.88	-	-	-	-	-	-	-	-
2436A4	24 x 36 x 5-7/8	175	-	-	0.50	-	-	176.00	-	-	-	-	-	-	-	-
2448A4	24 x 48 x 5-7/8	175	-	-	0.50	-	-	235.00	-	-	-	-	-	-	-	-
1212B4	12 x 12 x 11-1/2	275	500	-	0.50	0.60	-	57.50	69.00	-	-	-	-	-	-	-
23F11FB4	23-3/8 x 11-3/8 x 11-1/2	275	500	-	0.50	0.60	-	106.17	127.40	-	-	-	-	-	-	-
2412B4	24 x 12 x 11-1/2	275	500	-	0.50	0.60	-	115.00	138.00	-	-	-	-	-	-	-
2418B4	24 x 18 x 11-1/2	275	500	-	0.50	0.60	-	172.50	207.00	-	-	-	-	-	-	-
23F23FB4	23-3/8 x 23-3/8 x 11-1/2	275	500	-	0.50	0.60	-	218.18	261.82	-	-	-	-	-	-	-
2424B4	24 x 24 x 11-1/2	275	500	-	0.50	0.60	-	230.00	276.00	-	-	-	-	-	-	-
2430B4	24 x 30 x 11-1/2	275	500	-	0.50	0.60	-	287.50	345.00	-	-	-	-	-	-	-
1000 Series - 99.97%, 1100 Series - 99.99%					**Box Style**						**Flush Box Style**					
0808A5	8 x 8 x 5-7/8	175	-	-	0.79	-	-	7.87	-	-	0.75	-	-	9.72	-	-
1212A5	12 x 12 x 5-7/8	175	-	-	0.79	-	-	20.93	-	-	0.75	-	-	23.92	-	-
1818A5	18 x 18 x 5-7/8	175	-	-	0.79	-	-	51.68	-	-	0.75	-	-	56.38	-	-
2412A5	24 x 12 x 5-7/8	175	-	-	0.79	-	-	70.47	-	-	0.75	-	-	75.17	-	-
2418A5	24 x 18 x 5-7/8	175	-	-	0.79	-	-	44.84	-	-	0.75	-	-	47.83	-	-
2424A5	24 x 24 x 5-7/8	175	-	-	0.79	-	-	96.09	-	-	0.75	-	-	102.50	-	-
2430A5	24 x 30 x 5-7/8	175	-	-	0.79	-	-	123.32	-	-	0.75	-	-	129.73	-	-
2436A5	24 x 36 x 5-7/8	175	-	-	0.79	-	-	148.95	-	-	0.75	-	-	155.35	-	-
2448A5	24 x 48 x 5-7/8	175	-	-	0.79	-	-	200.20	-	-	0.75	-	-	206.60	-	-
2460A5	24 x 60 x 5-7/8	175	-	-	0.79	-	-	253.05	-	-	0.75	-	-	397.83	-	-
*2472A5	24 x 72 x 5-7/8	175	-	-	0.79	-	-	304.30	-	-	0.75	-	-	476.41	-	-
1212B5	12 x 12 x 11-1/2	275	500	500	0.79	1.3	1.2	49.00	57.75	64.75	0.75	1.25	1.15	56.00	66.50	73.50
23F11FB5	23-3/8 x 11-3/8 x 11-1/2	275	500	500	0.79	1.3	1.2	97.87	116.12	129.39	0.75	1.25	1.15	104.51	122.76	137.68
2412B5	24 x 12 x 11-1/2	275	500	500	0.79	1.3	1.2	105.00	126.00	141.75	0.75	1.25	1.15	112.00	133.00	148.75
2418B5	24 x 18 x 11-1/2	275	500	500	0.79	1.3	1.2	157.50	189.00	212.63	0.75	1.25	1.15	168.00	199.50	223.13
23F23FB5	23-3/8 x 23-3/8 x 11-1/2	275	500	500	0.79	1.3	1.2	201.12	238.62	265.89	0.75	1.25	1.15	214.76	252.26	282.93
2424B5	24 x 24 x 11-1/2	275	500	500	0.79	1.3	1.2	210.00	252.00	283.50	0.75	1.25	1.15	224.00	266.00	297.50
2430B5	24 x 30 x 11-1/2	275	500	500	0.79	1.3	1.2	269.50	318.50	357.00	0.75	1.25	1.15	283.50	336.00	371.00

**For 1100 Series - 99.99% replace 5 with 6 in the base part number.**

1200 Series - 99.999%					**Box Style**						**Flush Box Style**					
1212B7	12 x 12 x 11-1/2	275	500	-	0.90	1.54	-	49.00	57.75	-	0.85	1.49	-	56.00	66.50	-
23F11FB7	23-3/8 x 11-3/8 x 11-1/2	275	500	-	0.90	1.54	-	97.87	116.12	-	0.85	1.49	-	104.51	122.76	-
2412B7	24 x 12 x 11-1/2	275	500	-	0.90	1.54	-	105.00	126.00	-	0.85	1.49	-	112.00	133.00	-
2418B7	24 x 18 x 11-1/2	275	500	-	0.90	1.54	-	157.50	189.00	-	0.85	1.49	-	168.00	199.50	-
23F23FB7	23-3/8 x 23-3/8 x 11-1/2	275	500	-	0.90	1.54	-	201.12	238.62	-	0.85	1.49	-	214.76	252.26	-
2424B7	24 x 24 x 11-1/2	275	500	-	0.90	1.54	-	210.00	252.00	-	0.85	1.49	-	224.00	266.00	-
2430B7	24 x 30 x 11-1/2	275	500	-	0.90	1.54	-	269.50	318.50	-	0.85	1.49	-	283.50	336.00	-

*Available in particle board only. Tolerances shall be +/- 1/16" for height and width. The frame depth shall not exceed 5-7/8" and 11-1/2".
Hi Capacity contains approx. 20% more media, Super High Capacity contains approx. 35% more media.

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PART NUMBER CONFIGURATION

PREFIX	FRAME MATERIAL	FRAME STYLE	BASE MODEL NUMBER	GASKET LOCATION	FACE GUARDS	CAPACITY
☐	☐	☐	☐	☐	☐	☐

PREFIX	FRAME MATERIAL	FRAME STYLE	BASE MODEL NUMBER	GASKET LOCATION		FACE GUARDS	CAPACITY
MAG	P = PARTICLE BOARD G = GALVANIZED METAL	B = BOX STYLE H = SINGLE HEADER D = DOUBLE HEADER FX = FLUSH BOX	SELECT BASE MODEL NO. FROM CHART FOR DE-SIRED SIZE AND EFFICIENCY OR INSERT EXACT SIZE AND EFFI-CIENCY FOR SPE-CIAL SIZE MAGNA FILTERS	O = NO GASKET **BOX STYLE** A = AIR EXIT B = AIR ENTRY C = AIR EXIT/ENTRY D = SIDE LOAD **SINGLE HEADER** E = AIR ENTRY/EXIT F = AIR ENTRY H = AIR EXIT J = SIDE LOAD S = ONE VERTICAL SIDE	**DOUBLE HEADER** K = AIR ENTRY / EXIT M = AIR ENTRY P = AIR EXIT Q = SIDE LOAD	X = NONE 1 = BACK SIDE 2 = FRONT SIDE 3 = BOTH SIDES	BLANK = REGULAR CAPACITY L = LOW CAPACITY H = HIGH CAPACITY S = SUPER HIGH CAPACITY.

PARTICLE BOARD BOX
950 (MERV 16), 1000 and 1100 Series
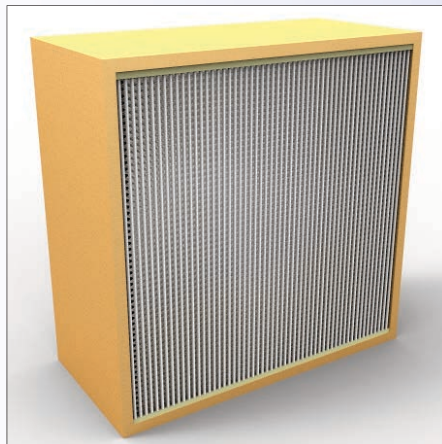
Air Flow ←

Side View

METAL SINGLE HEADER
950 Series (MERV 16)
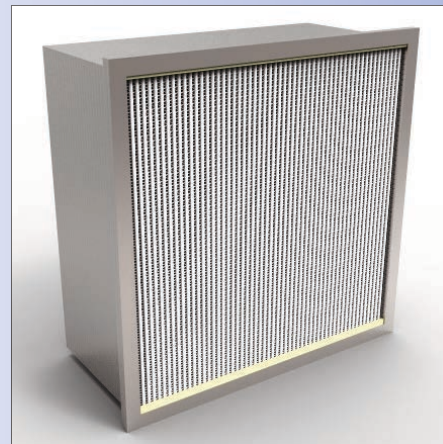
Air Flow ←

Side View

METAL FLUSH BOX - 1000, 1100 & 1200 Series
METAL BOX - 950 Series (MERV 16)
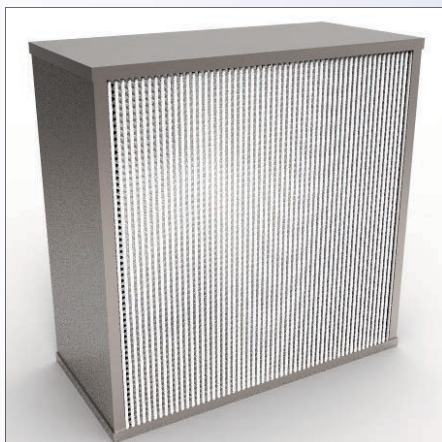
Air Flow ←

Side View

METAL BOX
1000, 1100 & 1200 Series
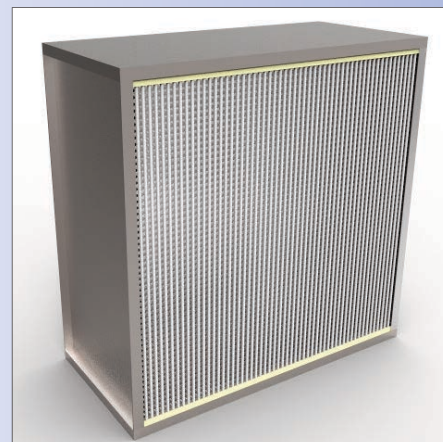
Air Flow ←

Side View

STANDARD PRESSURE DROP
Test Filter Size 24" x 24" x 12" Nominal

RESISTANCE IN. W.G. (y-axis): 0.2, 0.4, 0.6, 0.8, 1.0, 1.2, 1.4, 1.6

AIR FLOW RATE, (FPM) (x-axis): 125, 200, 275, 350, 425, 500

95% (MERV 16)	99.97% / 99.99%	99.999%
■ SC ■ HC	■ SC ■ HC ■ SHC	■ SC ■ HC

MINIMUM PARTICLE SIZE EFFICIENCY
Test Filter Size 24" x 24" Nominal

REMOVAL PERCENTAGE (y-axis): 95, 96, 97, 98, 99, 100

PARTICLE SIZE, MICRONS (x-axis): .1, 1, 10
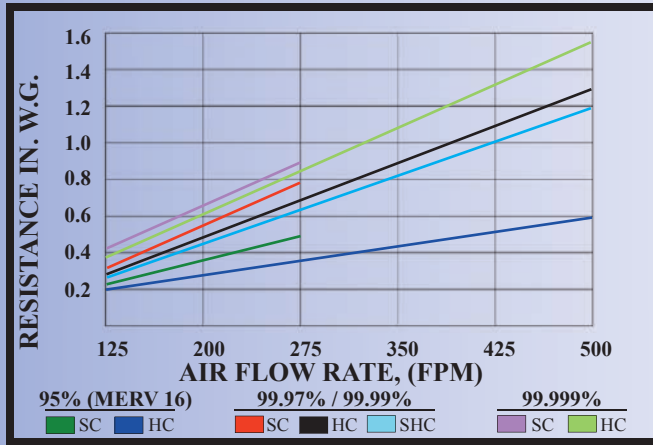
■ 95% (MERV 16)	■ 99.97%	■ 99.99% / 99.999%
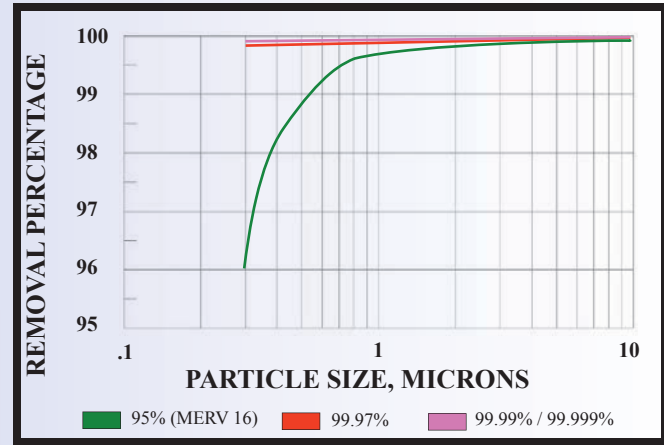
Features:

- Quality Assurance - the Magna 950 Series - 95% (MERV 16), 1000 Series - 99.97%, 1100 Series - 99.99% and 1200 Series - 99.999% filters incorporate glass microfiber media rolls that are randomly tested and certified to meet minimum efficiency requirements by the media manufacturer. In addition, Glasfloss randomly selects and tests filters for leaks under a rigorous quality control program.
- Media produced from glass microfibers is moisture-resistant and will not support microbial growth.
- Magna 99.99% and 99.999% filters are tested for leaks based on near-monodispersed .30 micron size particles.
- Frame is available in either 3/4" particleboard or 18 gauge galvanized metal for the 1000 Series - 99.97%, and 1100 Series - 99.99%. The 1200 Series - 99.999% is available in metal frame only. A 26-gauge galvanized metal frame is used for the Magna 950 Series - 95% (MERV 16).
- Aluminum separators incorporate rolled edges that help prevent media chaffing and damage in handling.
- The filter cartridge is bonded within the frame using a two-part sealant that isolates the filter from external shock and prevents air bypass.
- Neoprene closed-cell gasket is standard on each filter.

Optional Features:

- Upon request, the Magna 950 Series - 95% (MERV 16), 1000 Series - 99.97% shall be individually tested for leaks based on near-monodispersed .30 micron size particles; additional charges apply.
- An expanded metal wire lath face guard can be placed on the air-entry and/or the air-exit side of the filter.
- High-capacity and turbine-style filters are available.

> ## SPECIFICATIONS FOR MAGNA SERIES

The filter element shall be factory-constructed by pleating a continuous sheet of glass microfiber media into uniform spaced pleats which are separated by rolled-edge corrugated aluminum. The efficiency shall be 95% (MERV 16), 99.97%, 99.99% or 99.999% based on a near-monodispersed .30 micron size particle. This filter pack shall be encased in a rigid frame of 3/4" particleboard or 18-gauge galvanized steel for the 1000 Series - 99.97%, 1100 Series - 99.99% and 1200 Series - 99.999% (metal frame only) efficiencies (26-gauge galvanized metal frame is used for the 950 Series - 95% MERV 16). The frame shall not exceed 5-7/8" or 11-1/2" in depth, and standard tolerances shall be +/- 1/16" on height and width. A closed-cell neoprene gasket shall be applied to the filter. Each filter shall be packaged into a heavy-duty carton. Filters shall be Classified under U. L. Std. 900.
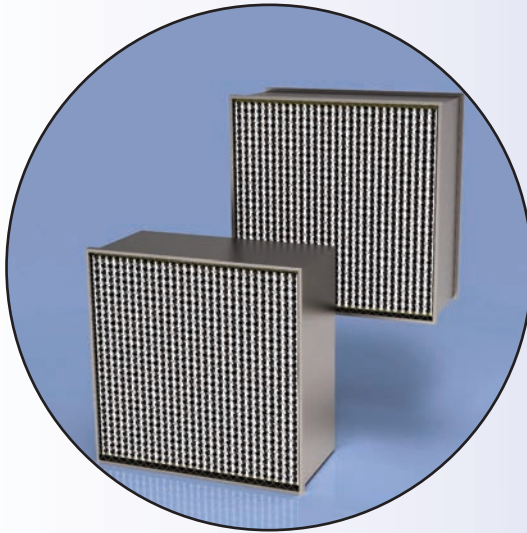
Glasfloss manufactures a variety of medium and high efficiency air filters which can be specified for LEED certification applications. For specific information on these products, please contact your local Glasfloss Sales Representative.

NAFA National Air Filtration Association

Distributed by:

[MAGNA GT]
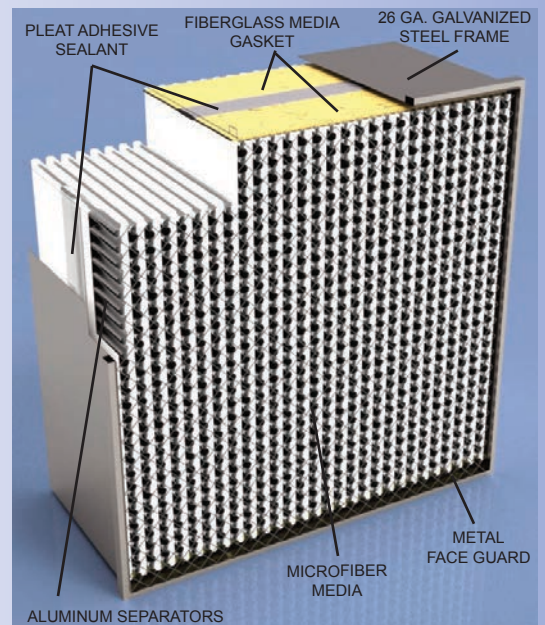### Gas Turbine Series

- Heavy Duty Construction for Gas Turbine Applications
- Glass Microfiber Media Provides Excellent Moisture Resistance
- Extra Durability for Demanding HVAC Applications
- Standard and High Capacity Versions Available

FEATURES >

Glasfloss Magna GT filters are designed to withstand the rigors of a gas turbine engine, centrifugal compressor and other high velocity applications. Heavy-duty face grills and additional media pack reinforcements ensure the integrity of the filters under the most demanding conditions. The RM series is suited for standard capacity applications; the XL series provides additional media for higher velocity applications. Glasfloss Magna GT filters are available in MERV 11 and MERV 14 efficiencies. Standard sizes are available in single or double header frame styles.

The Glasfloss Magna GT frame shall be made of a 26 gauge galvanized metal. A 26 gauge galvanized steel header shall be used on the metal frame. The media shall be constructed of a water resistant, inorganic glass microfiber. For quality assurance, the glass microfiber media rolls are randomly tested and certified to meet minimum efficiency requirements by the media manufacturer. The media pack shall consist of a continuous sheet of the pleated glass microfiber. The pleated media pack is separated with multiple rolled edge corrugated aluminum separators. The media cartridge shall be sealed at the air entering, center and air leaving sides with a sealant that bonds the media and separators to the interior of the frame filter. A 1/4" neoprene thick gasket shall be applied on the filter. An expanded metal face guard is installed on the air entering and air leaving sides of the frame to insure filter integrity and increase rigidity. The expanded metal shall be galvanized to resist rust and corrosion. The filter shall be rated to withstand temperatures up to 180 degrees Fahrenheit. The filters shall be Classified under U.L. Std. 900 and withstand up to 11 in. w.g. in an "Air Filter Breaching Test." Magna GT Series shall have the following performance.

< **SPECIFICATIONS**

PLEAT ADHESIVE SEALANT
FIBERGLASS MEDIA GASKET
26 GA. GALVANIZED STEEL FRAME
METAL FACE GUARD
MICROFIBER MEDIA
ALUMINUM SEPARATORS

[MAGNA GT]
Gas Turbine Series

600 Series MERV 11

BASE MODEL NUMBER	SIZE H x W x D NOMINAL	SIZE H x W x D EXACT	RATED VELOCITY FPM RM	RATED VELOCITY FPM XL	INITIAL RESIST. IN. W.G. RM	INITIAL RESIST. IN. W.G. XL	MEDIA SQUARE FEET RM	MEDIA SQUARE FEET XL	SIZE H x W x D NOMINAL MM	RATED VELOCITY M/H RM	RATED VELOCITY M/H XL	INITIAL RESIST. PASCALS RM	INITIAL RESIST. PASCALS XL
2412A1	24 x 12 x 6	23-3/8 x 11-3/8 x 5-7/8	250	250	.30	.25	25.59	33.47	610 x 305 x 152	4575	4575	74.64	62.2
2424A1	24 x 24 x 6	23-3/8 x 23-3/8 x 5-7/8	250	250	.30	.25	52.89	69.17	610 x 610 x 152	4575	4575	74.64	62.2
2412B1	24 x 12 x 12	23-3/8 x 11-3/8 x 11-1/2	500	500	.55	.50	51.19	66.94	610 x 305 x 305	9150	9150	136.84	124.4
2424B1	24 x 24 x 12	23-3/8 x 23-3/8 x 11-1/2	500	500	.55	.50	105.79	138.34	610 x 610 x 305	9150	9150	136.84	124.4

900 Series MERV 14

BASE MODEL NUMBER	SIZE H x W x D NOMINAL	SIZE H x W x D EXACT	RATED VELOCITY FPM RM	RATED VELOCITY FPM XL	INITIAL RESIST. IN. W.G. RM	INITIAL RESIST. IN. W.G. XL	MEDIA SQUARE FEET RM	MEDIA SQUARE FEET XL	SIZE H x W x D NOMINAL MM	RATED VELOCITY M/H RM	RATED VELOCITY M/H XL	INITIAL RESIST. PASCALS RM	INITIAL RESIST. PASCALS XL
2412A3	24 x 12 x 6	23-3/8 x 11-3/8 x 5-7/8	250	250	.40	.35	25.59	33.47	610 x 305 x 152	4575	4575	99.52	87.08
2424A3	24 x 24 x 6	23-3/8 x 23-3/8 x 5-7/8	250	250	.40	.35	52.89	69.17	610 x 610 x 152	4575	4575	99.52	87.08
2412B3	24 x 12 x 12	23-3/8 x 11-3/8 x 11-1/2	500	500	.65	.60	51.19	66.94	610 x 305 x 305	9150	9150	161.72	149.28
2424B3	24 x 24 x 12	23-3/8 x 23-3/8 x 11-1/2	500	500	.65	.60	105.79	138.34	610 x 610 x 305	9150	9150	161.72	149.28

Tolerances shall be +/- 1/16" for height, width and depth. The frame depth shall not exceed 5-7/8" and 11-1/2". Performance values based on ASHRAE and in-house testing methods.
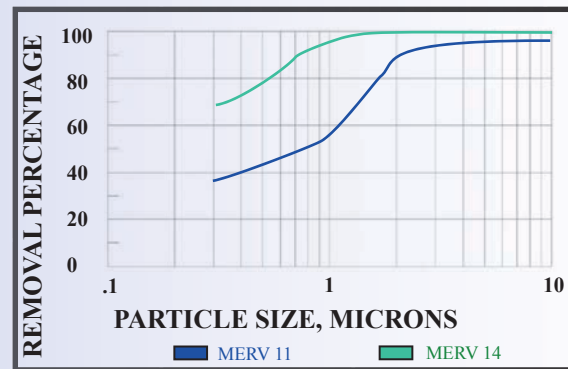
STANDARD PRESSURE DROP
Test Filter Size 24" x 24" x 12" Nominal

MERV 11 RM   MERV 11 XL   MERV 14 RM   MERV 14 XL

MINIMUM PARTICLE SIZE EFFICIENCY
Test Filter Size 24" x 24" x 12" Nominal

MERV 11   MERV 14

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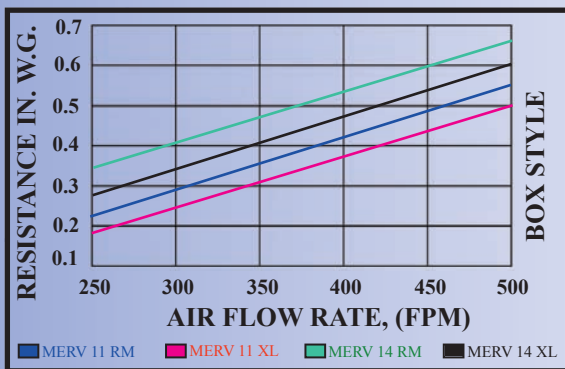
Glasfloss® Industries
Excellence in Air Filtration Since 1936

Magna Series: MERV 11 (60-65%) & MERV 13 (80-85%)

BASE MODEL NUMBER (1 = 65%) (2 = 85%)	NOMINAL SIZES H x W x D	65% WOOD BOX	65% METAL BOX or HDR	85% WOOD BOX	85% METAL BOX or HDR	Approx. Weight lb. Wood	Approx Weight lb. Metal
2412A1 -or- 2	24 x 12 x 6	$67.13	$90.59	$70.46	$93.82	10	6
2418A1 -or- 2	24 x 18 x 6	$85.52	$111.08	$89.86	$115.35	14	8
2420A1 -or- 2	24 x 20 x 6	$94.08	$120.33	$98.93	$124.98	16	9
2424A1 -or- 2	24 x 24 x 6	$103.89	$131.68	$108.21	$135.78	19	11
2016A1 -or- 2	20 x 16 x 6	$83.10	$104.74	$86.06	$108.81	11	6
2020A1 -or- 2	20 x 20 x 6	$97.45	$121.67	$102.23	$126.21	13	8
1625A1 -or- 2	16 x 25 x 6	$107.29	$130.38	$111.23	$135.28	13	8
2025A1 -or- 2	20 x 25 x 6	$113.01	$139.07	$118.73	$144.49	17	10
2412B1 -or- 2	24 x 12 x 12	$103.03	$134.97	$109.37	$140.91	15	9
2418B1 -or- 2	24 x 18 x 12	$127.63	$162.94	$135.60	$170.71	23	13
2420B1 -or- 2	24 x 20 x 12	$140.31	$176.72	$149.31	$185.31	25	14
2424B1 -or- 2	24 x 24 x 12	$154.69	$193.52	$163.17	$201.66	30	17
2016B1 -or- 2	20 x 16 x 12	$122.13	$153.28	$129.84	$160.69	17	10
2020B1 -or- 2	20 x 20 x 12	$142.96	$176.28	$151.86	$184.83	21	12
1625B1 -or- 2	16 x 25 x 12	$158.00	$191.46	$168.08	$201.15	21	12
2025B1 -or- 2	20 x 25 x 12	$168.54	$204.63	$179.16	$214.82	26	15

Magna Series: MERV 14 (90-95%)

BASE MODEL NUMBER	NOMINAL SIZES H x W x D	65% WOOD BOX	65% METAL BOX or HDR			Approx. Weight lb. Wood	Approx Weight lb. Metal
2412A3	24 x 12 x 6	$77.50	$100.57			10	6
2418A3	24 x 18 x 6	$98.79	$123.84			14	8
2420A3	24 x 20 x 6	$108.83	$134.46			16	9
2424A3	24 x 24 x 6	$114.62	$141.94			19	11
2016A3	20 x 16 x 6	$94.56	$117.06			11	6
2020A3	20 x 20 x 6	$111.88	$135.54			13	8
1625A3	16 x 25 x 6	$122.47	$146.14			13	8
2025A3	20 x 25 x 6	$130.67	$155.99			17	10
2412B3	24 x 12 x 12	$117.99	$148.44			15	9
2418B3	24 x 18 x 12	$161.45	$195.58			23	13
2420B3	24 x 20 x 12	$167.91	$203.31			25	14
2424B3	24 x 24 x 12	$178.00	$216.00			30	17
2016B3	20 x 16 x 12	$154.60	$184.52			17	10
2020B3	20 x 20 x 12	$157.61	$190.39			21	12
1625B3	16 x 25 x 12	$184.88	$217.36			21	12
2025B3	20 x 25 x 12	$197.36	$232.34			26	15

Foam Gasket is optional on ASHRAE Magna: Add $12.00 to List for (8) sides
Add $6.50 to List for (4) sides
Add $5.50 to List for (2) sides
Add $4.25 to List for (1) vertical side

Face Guards available: Add $8.50 to the List Price per side
High Capacity ASHRAE Magna is available: Add 20% to the List Price and add "H" to the end of the part number
Special sizes add +50% to List Price on next largest size, maximum height 24"
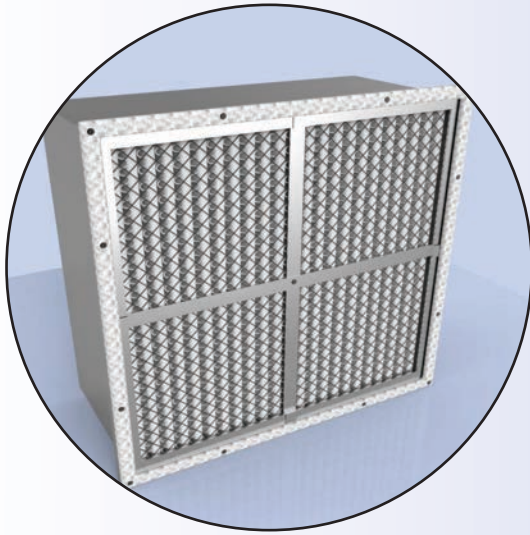
MAGNA TURBINE & COMPRESSOR STYLE FILTERS

Glasfloss Part Number	* Replacement Style	Nominal Size	Actual Size	List Price
MAGGDT2424B1P3	RM-60	24x24x12	23 3/8 x 23 3/8 x 11 1/2	$215.43
MAGGDT2412B1P3	RM-60-1/2	24x12x12	23 3/8 x 11 /38 x 11 1/2	$156.69
MAGGHT2424B1H3	RM-60D	24x24x12	23 3/8 x 23 3/8 x 11 1/2	$210.14
MAGGHT2412B1H3	RM-60D-1/2	24x12x12	23 3/8 x 11 /38 x 11 1/2	$149.93
MAGGDX2424B1P3	XL-60	24x24x12	23 3/8 x 23 3/8 x 11 1/2	$234.16
MAGGHX2424B1H3	XL-60D	24x24x12	23 3/8 x 23 3/8 x 11 1/2	$226.52
MAGGDT2424B3P3	RM-90	24x24x12	23 3/8 x 23 3/8 x 11 1/2	$230.03
MAGGDT2412B3P3	RM-90-1/2	24x12x12	23 3/8 x 11 3/8 x 11 1/2	$172.43
MAGGHT2424B3H3	RM-90D	24x24x12	23 3/8 x 23 3/8 x 11 1/2	$222.78
MAGGHT2412B3H3	RM-90D-1/2	24x12x12	23 3/8 x 11 3/8 x 11 1/2	$164.92
MAGGDX2424B3P3	XL-90	24x24x12	23 3/8 x 23 3/8 x 11 1/2	$255.33
MAGGHX2424B3H3	XL-90D	24x24x12	23 3/8 x 23 3/8 x 11 1/2	$248.21
MAGGBX2424B3C3P	XL-90-164	24x24x12	23 3/8 x 23 3/8 x 11 1/2	$344.81
MAGGDT2424A3P3	RM-90-6	24x24x6	23 3/8 x 23 3/8 x 5 7/8	$171.99

Manufacturing tolerances are + or - 1/16".
* Used for identification purposes only.

Magna 950 Series: MERV 16 (95%)

BASE MODEL NUMBER	ACTUAL SIZES H x W x D	WOOD STANDARD BOX	METAL BOX OR HEADER	Approx. Weight lb.	
				Wood	Metal
0808A4	8 x 8 x 5 7/8	$57.86	$86.04	5	3
1212A4	12 x 12 x 5 7/8	$79.33	$121.36	10	6
2412A4	24 x 12 x 5 7/8	$132.13	$195.47	14	9
2418A4	24 x 18 x 5 7/8	$161.62	$235.47	23	14
2424A4	24 x 24 x 5 7/8	$182.24	$266.74	28	17
2430A4	24 x 30 x 5 7/8	$233.88	$329.23	36	23
2436A4	24 x 36 x 5 7/8	$291.89	$398.07	38	24
2448A4	24 x 48 x 5 7/8	$363.46	$490.94	42	26
1212B4	12 x 12 x 11 1/2	$133.77	$172.40	18	11
23F11FB4	23 3/8 x 11 3/8 x 11 1/2	$188.67	$246.52	30	19
23F23FB4	23 3/8 x 23 3/8 x 11 1/2	$283.82	$361.27	48	30
2412B4	24 x 12 x 11 1/2	$188.67	$246.52	30	19
2418B4	24 x 18 x 11 1/2	$263.77	$331.60	36	23
2424B4	24 x 24 x 11 1/2	$283.82	$361.27	48	30
2430B4	24 x 30 x 11 1/2	$363.24	$450.73	55	35

Magna 1000 Series: 99.97%

0808A5	8 x 8 x 5 7/8	$60.14	$90.05	5	4
1212A5	12 x 12 x 5 7/8	$82.38	$127.19	10	8
1818A5	18 x 18 x 5 7/8	$149.06	$216.72	32	27
2412A5	24 x 12 x 5 7/8	$137.24	$204.79	14	12
2418A5	24 x 18 x 5 7/8	$167.73	$246.52	26	22
2424A5	24 x 24 x 5 7/8	$189.32	$279.37	28	23
2430A5	24 x 30 x 5 7/8	$242.98	$344.55	36	30
2436A5	24 x 36 x 5 7/8	$303.11	$416.21	38	32
2448A5	24 x 48 x 5 7/8	$377.27	$513.16	42	35
2460A5	24 x 60 x 5 7/8	$507.03	$678.37	46	38
2472A5	24 x 72 x 5 7/8	$621.10	n/a	52	n/a
1212B5	12 x 12 x 11 1/2	$138.90	$184.84	18	15
23F11FB5	23 3/8 x 11 3/8 x 11 1/2	$195.99	$253.84	30	25
2412B5	24 x 12 x 11 1/2	$195.99	$253.84	30	25
2418B5	24 x 18 x 11 1/2	$274.01	$341.90	36	30
23F23FB5	23 3/8 x 23 3/8 x 11 1/2	$294.70	$372.19	48	40
2424B5	24 x 24 x 11 1/2	$294.70	$372.19	48	40
2430B5	24 x 30 x 11 1/2	$377.17	$464.82	55	46

Please Note the Following Options:

Magna 1100 Series 99.99%: Add 10% to the List Price and replace the 5 with the number 6 in the Base Part Number

Magna 1200 Series 99.999%: Add 30% to the List Price and replace the 5 with the number 7 in the Base Model Number

(MAGNA 1200 Series available in metal frame, 12" depth standard sizes only)

High Capacity Magna is available: Add 20% to the List Price and add: "H" to the end of the Part Number

Super High Capacity Magna is available: Add 35% to the List Price & add "S" to the end of the Part Number

Flush Box Magna is available: Add $15.00 to List Price and use 'FX' for frame style identification

Neoprene Gasket is standard on one side of: Magna 950, 1000 & 1100 Series; please specify location when ordering.

For additional Gasket: Add $8.50 to List   Face Guards available: Add $8.50 to List Price per side

Special sizes: Add +50% to List Price on next largest size

(Maximum height 24", maximum width 60" on Metal 6" Frame & 48" maximum width for 12" Frame).

MAGNA HT
Magna High Temperature Series

- High Efficiency Glass Microfiber Media
- Rolled Edge Aluminum Separators
* Aluminized Metal Frame
* High Temperature Rope Gasket
* Aluminized Face Guard On Both Sides
* Support Straps Upstream And Downstream

FEATURES >

The GlasFloss Magna series HT grade air filters are designed for high efficiency commercial and industrial applications. The Glasfloss Magna HT filters are available in MERV 11, 13 and 14 performances. Glasfloss Magna HT filters are produced in a wide range of sizes, in single or double header combinations.

The Glasfloss Magna HT frame shall be made of heavy-duty aluminized steel. The media shall be constructed of water resistant, inorganic glass microfiber. For quality assurance, the glass microfiber media rolls are randomly tested and certified to meet minimum efficiency requirements by the media manufacturer. The media pack shall consist of a continuous sheet of pleated glass microfiber. The pleated media pack is separated with multiple rolled-edge corrugated aluminum separators. Aluminized faceguards and support struts are installed on the air entering and air leaving sides of the frame to ensure filter integrity and increased rigidity. Operating temperatures range from 350 to 900 degrees Fahrenheit. A 1/8" thick high temperature rope gasket shall be applied to the filter. The 350, 500, 750 and 900 Series Magna HT filters shall be classified under U.L. std 900.

< SPECIFICATIONS

Fiberglass Media Gasket

Aluminized Metal Frame and Header

Microfiber Media

Aluminum Separators

Aluminized Face Guard

High Temperature Rope Gasket

BASE MODEL NUMBER			SIZE H x W x D NOMINAL	SIZE H x W x D EXACT	RATED VELOCITY FPM	INITIAL RESIST. IN. W.G.			MEDIA SQUARE FEET	SIZE H x W x D NOMINAL MM	RATED VELOCITY M/H	INITIAL RESIST. PASCALS		
MERV 11	MERV 13	MERV 14				MERV 11	MERV 13	MERV 14				MERV 11	MERV 13	MERV 14
350 Series														
2412A1	2412A2	2412A3	24 x 12 x 6	23-3/8 x 11-3/8 x 5-7/8	250	.30	.32	.35	28.88	610 x 305 x 152	4575	74.6	79.6	87.1
2020A1	2020A2	2020A3	20 x 20 x 6	19-3/8 x 19-3/8 x 5-7/8	250	.30	.32	.35	40.10	508 x 508 x 152	4575	74.6	79.6	87.1
2024A1	2024A2	2024A3	20 x 24 x 6	20-3/8 x 23-3/8 x 5-7/8	250	.30	.32	.35	48.13	610 x 508 x 152	4575	74.6	79.6	87.1
2424A1	2424A2	2424A3	24 x 24 x 6	23-3/8 x 23-3/8 x 5-7/8	250	.30	.32	.35	57.75	610 x 610 x 152	4575	74.6	79.6	87.1
2412B1	2412B2	2412B3	24 x 12 x 12	23-3/8 x 11-3/8 x 11-1/2	500	.55	.63	.68	57.75	610 x 305 x 305	9150	136.8	156.7	169.2
2020B1	2020B2	2020B3	20 x 20 x 12	19-3/8 x 19-3/8 x 11-1/2	500	.55	.63	.68	80.21	508 x 508 x 305	9150	136.8	156.7	169.2
2024B1	2024B2	2024B3	20 x 24 x 12	19-3/8 x 23-3/8 x 11-1/2	500	.55	.63	.68	96.25	610 x 508 x 305	9150	136.8	156.7	169.2
2424B1	2424B2	2424B3	24 x 24 x 12	23-3/8 x 23-3/8 x 11-1/2	500	.55	.63	.68	115.50	610 x 610 x 305	9150	136.8	156.7	169.2
500 Series														
2412A1	2412A2	2412A3	24 x 12 x 6	23-3/8 x 11-3/8 x 5-7/8	250	.25	.28	.30	35.00	610 x 305 x 152	4575	62.2	69.6	74.6
2020A1	2020A2	2020A3	20 x 20 x 6	19-3/8 x 19-3/8 x 5-7/8	250	.25	.28	.30	48.61	508 x 508 x 152	4575	62.2	69.6	74.6
2024A1	2024A2	2024A3	20 x 24 x 6	20-3/8 x 23-3/8 x 5-7/8	250	.25	.28	.30	58.33	610 x 508 x 152	4575	62.2	69.6	74.6
2424A1	2424A2	2424A3	24 x 24 x 6	23-3/8 x 23-3/8 x 5-7/8	250	.25	.28	.30	70.00	610 x 610 x 152	4575	62.2	69.6	74.6
2412B1	2412B2	2412B3	24 x 12 x 12	23-3/8 x 11-3/8 x 11-1/2	500	.45	.57	.62	70.00	610 x 305 x 305	9150	111.9	141.8	154.3
2020B1	2020B2	2020B3	20 x 20 x 12	19-3/8 x 19-3/8 x 11-1/2	500	.45	.57	.62	97.22	508 x 508 x 305	9150	111.9	141.8	154.3
2024B1	2024B2	2024B3	20 x 24 x 12	19-3/8 x 23-3/8 x 11-1/2	500	.45	.57	.62	116.67	610 x 508 x 305	9150	111.9	141.8	154.3
2424B1	2424B2	2424B3	24 x 24 x 12	23-3/8 x 23-3/8 x 11-1/2	500	.45	.57	.62	140.00	610 x 610 x 305	9150	111.9	141.8	154.3
750 Series														
2412A1	2412A2	2412A3	24 x 12 x 6	23-3/8 x 11-3/8 x 5-7/8	250	.20	.23	.25	43.75	610 x 305 x 152	4575	49.7	57.2	62.2
2020A1	2020A2	2020A3	20 x 20 x 6	19-3/8 x 19-3/8 x 5-7/8	250	.20	.23	.25	60.76	508 x 508 x 152	4575	49.7	57.2	62.2
2024A1	2024A2	2024A3	20 x 24 x 6	610 x 508 x 152 style	23-3/8 x 11-3/8 x 11-1/2 line									
2024A1	2024A2	2024A3	20 x 24 x 6	610 x 508 x 152	250	.20	.23	.25	72.92	610 x 508 x 152	4575	49.7	57.2	62.2
2424A1	2424A2	2424A3	24 x 24 x 6	23-3/8 x 23-3/8 x 5-7/8	250	.20	.23	.25	87.50	610 x 610 x 152	4575	49.7	57.2	62.2
2412B1	2412B2	2412B3	24 x 12 x 12	23-3/8 x 11-3/8 x 11-1/2	500	.40	.53	.58	87.50	610 x 305 x 305	9150	99.5	131.8	144.3
2020B1	2020B2	2020B3	20 x 20 x 12	19-3/8 x 19-3/8 x 11-1/2	500	.40	.53	.58	121.53	508 x 508 x 305	9150	99.5	131.8	144.3
2024B1	2024B2	2024B3	20 x 24 x 12	19-3/8 x 23-3/8 x 11-1/2	500	.40	.53	.58	145.83	610 x 508 x 305	9150	99.5	131.8	144.3
2424B1	2424B2	2424B3	24 x 24 x 12	23-3/8 x 23-3/8 x 11-1/2	500	.40	.53	.58	175.00	610 x 610 x 305	9150	99.5	131.8	144.3
900 Series														
2412A1	2412A2	2412A3	24 x 12 x 6	23-3/8 x 11-3/8 x 5-7/8	250	.18	.20	.22	52.50	610 x 305 x 152	4575	44.8	49.7	54.7
2020A1	2020A2	2020A3	20 x 20 x 6	19-3/8 x 19-3/8 x 5-7/8	250	.18	.20	.22	72.92	508 x 508 x 152	4575	44.8	49.7	54.7
2024A1	2024A2	2024A3	20 x 24 x 6	20-3/8 x 23-3/8 x 5-7/8	250	.18	.20	.22	87.50	610 x 508 x 152	4575	44.8	49.7	54.7
2424A1	2424A2	2424A3	24 x 24 x 6	23-3/8 x 23-3/8 x 5-7/8	250	.18	.20	.22	105.00	610 x 610 x 152	4575	44.8	49.7	54.7
2412B1	2412B2	2412B3	24 x 12 x 12	23-3/8 x 11-3/8 x 11-1/2	500	.37	.52	.56	105.00	610 x 305 x 305	9150	92.1	129.3	139.3
2020B1	2020B2	2020B3	20 x 20 x 12	19-3/8 x 19-3/8 x 11-1/2	500	.37	.52	.56	145.83	508 x 508 x 305	9150	92.1	129.3	139.3
2024B1	2024B2	2024B3	20 x 24 x 12	19-3/8 x 23-3/8 x 11-1/2	500	.37	.52	.56	175.00	610 x 508 x 305	9150	92.1	129.3	139.3
2424B1	2424B2	2424B3	24 x 24 x 12	23-3/8 x 23-3/8 x 11-1/2	500	.37	.52	.56	210.00	610 x 610 x 305	9150	92.1	129.3	139.3

Tolerances shall be +/- 1/16" for height, width and depth. The frame depth shall not exceed 5-7/8" and 11-1/2". Performance values based on ASHRAE and in-house testing methods.
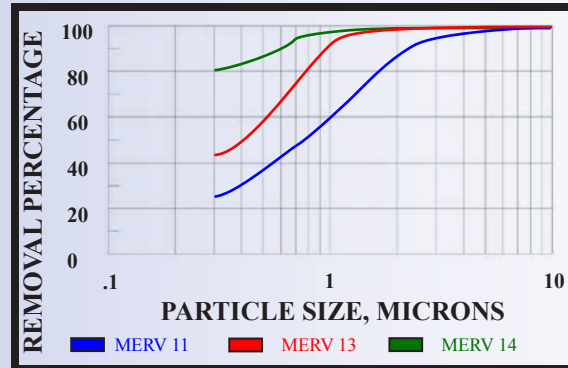
STANDARD PRESSURE DROP
Test Filter Size 24" x 24" x 12" Nominal

MINIMUM PARTICLE SIZE EFFICIENCY
Test Filter Size 24" x 24" x 12" Nominal

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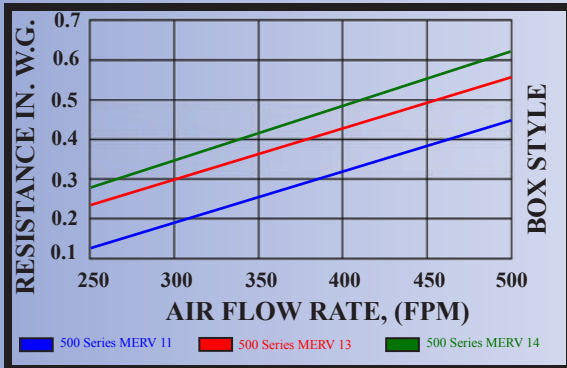
Magna HT Series
MERV 11

BASE MODEL NUMBER	NOMINAL SIZES H x W x D	MERV 11 350 Series	MERV 11 500 Series	MERV 11 750 Series	MERV 11 900 Series	Approximate Weight LB.
2412A1	24 x 12 x 6	$126.85	$135.90	$144.98	$158.56	6
2418A1	24 x 18 x 6	$155.52	$166.65	$177.74	$194.42	8
2420A1	24 x 20 x 6	$168.46	$180.47	$192.51	$210.56	9
2424A1	24 x 24 x 6	$184.35	$197.52	$210.68	$230.42	11
2016A1	20 x 16 x 6	$146.64	$157.10	$167.56	$183.29	6
2020A1	20 x 20 x 6	$170.34	$182.50	$194.67	$212.93	8
2412B1	24 x 12 x 12	$188.95	$202.43	$215.92	$236.18	9
2418B1	24 x 18 x 12	$228.11	$244.42	$260.70	$285.15	13
2420B1	24 x 20 x 12	$247.41	$265.08	$282.74	$309.26	14
2424B1	24 x 24 x 12	$270.91	$290.27	$309.63	$338.66	17
2016B1	20 x 16 x 12	$214.60	$229.91	$245.25	$268.23	10
2020B1	20 x 20 x 12	$246.81	$264.45	$282.08	$308.52	12

Magna HT Series
MERV 13

BASE MODEL NUMBER	NOMINAL SIZES H x W x D	MERV 13 350 Series	MERV 13 500 Series	MERV 13 750 Series	MERV 13 900 Series	Approximate Weight LB.
2412A2	24 x 12 x 6	$131.34	$140.74	$150.10	$164.17	6
2418A2	24 x 18 x 6	$161.51	$173.03	$184.56	$201.86	8
2420A2	24 x 20 x 6	$174.97	$187.49	$199.98	$218.75	9
2424A2	24 x 24 x 6	$190.09	$203.65	$217.22	$237.60	11
2016A2	20 x 16 x 6	$152.32	$163.22	$174.10	$190.41	6
2020A2	20 x 20 x 6	$176.70	$189.32	$201.94	$220.88	8
2412B2	24 x 12 x 12	$197.30	$211.37	$225.46	$246.60	9
2418B2	24 x 18 x 12	$238.99	$256.06	$273.14	$298.76	13
2420B2	24 x 20 x 12	$259.41	$277.98	$296.49	$324.29	14
2424B2	24 x 24 x 12	$282.35	$302.52	$322.67	$352.91	17
2016B2	20 x 16 x 12	$224.97	$241.04	$257.11	$281.21	10
2020B2	20 x 20 x 12	$258.78	$277.27	$295.74	$323.48	12

Magna HT Series
MERV 14

BASE MODEL NUMBER	NOMINAL SIZES H x W x D	MERV 14 350 Series	MERV 14 500 Series	MERV 14 750 Series	MERV 14 900 Series	Approximate Weight LB.
2412A3	24 x 12 x 6	$140.79	$150.84	$160.91	$175.99	6
2418A3	24 x 18 x 6	$173.37	$185.76	$198.12	$216.71	8
2420A3	24 x 20 x 6	$188.24	$201.71	$215.15	$235.32	9
2424A3	24 x 24 x 6	$198.72	$212.93	$227.12	$248.41	11
2016A3	20 x 16 x 6	$163.91	$175.60	$187.31	$204.87	6
2020A3	20 x 20 x 6	$189.77	$203.31	$216.86	$237.20	8
2412B3	24 x 12 x 12	$207.83	$222.67	$237.50	$259.77	9
2418B3	24 x 18 x 12	$273.82	$293.38	$312.93	$342.28	13
2420B3	24 x 20 x 12	$284.62	$304.97	$325.32	$355.80	14
2424B3	24 x 24 x 12	$302.40	$324.01	$345.61	$378.01	17
2016B3	20 x 16 x 12	$258.33	$276.77	$295.24	$322.91	10
2020B3	20 x 20 x 12	$266.55	$285.60	$304.64	$333.19	12

MAGNA HT Prefix ID	Frame Style	Base Model Number	Rope Gasket Location	Face Guards	Designate Temperature Suffix	
MAGA	H = Singe Header D = Double Header	Select Base Model number for Size and Performance	O = No Gasket **Single Header** E = Air Entry & Air Exit F = Air Entry H = Air Exit J = Side Load S = One Vertical Side **Double Header** K = Air Entry & Air Exit M = Air Entry P = Air Exit Q = Side Load	3 = Both Sides	3 = 5 = 7 = 9 =	350 Series 500 Series 750 Series 900 Series

MAGNA HT Series filters come standard with face guards and support straps on both sides and rope gasket on one side.
For additional rope gasket add $9.50 to List Price per side.

Glasfloss®

PURACELL II
Mini-Pleat Series

- Compact Design for Maximum Air Flow
- Four Efficiencies Available
- Standard and Special Sizes
- Media Will Not Support Microbial Growth

FEATURES >

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

The Glasfloss Puracell II filter is a mini-pleat cartridge encapsulated between two heavy-duty beverage board die-cut frames. The die-cut frames are bonded together, creating a double-wall thickness around the perimeter of the filter. The Puracell II 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 bonded to the interior of the die-cut frame. The filter shall be rated to withstand temperatures up to 180 degrees Fahrenheit. The recommended final resistance for Puracell II filters is 1.5" w.g.

< SPECIFICATIONS

DOUBLE-WALL BEVERAGE BOARD

MICRO FIBER MEDIA

GLUE BEADS

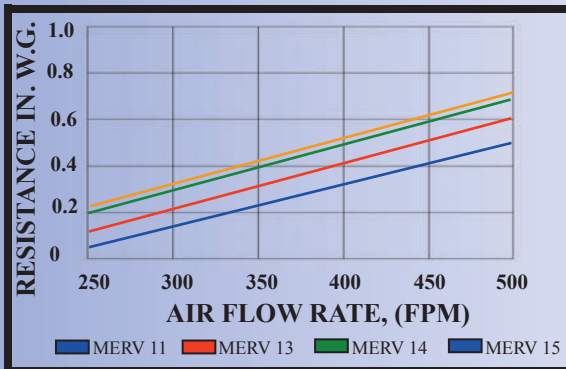GLUE SEALANT
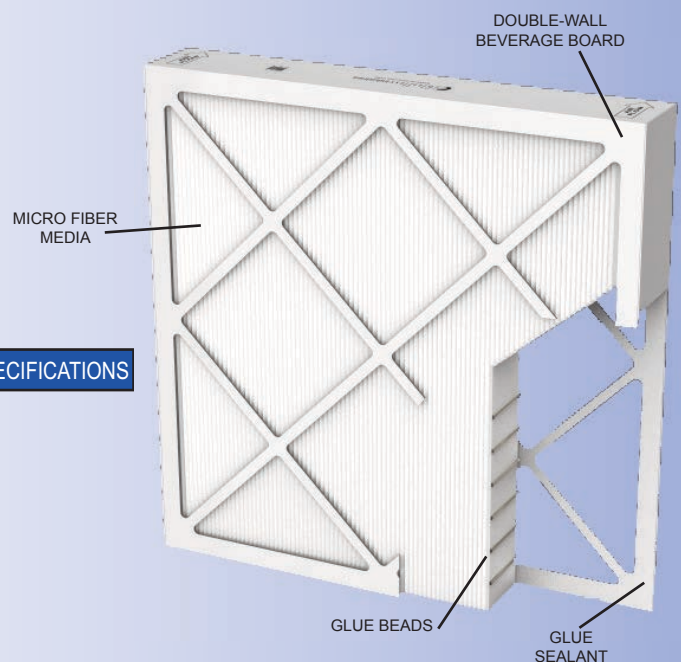
PURACELL II SERIES

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
MERV 15							
PURII2424495	24 x 24 x 4	23-3/8" x 23-3/8" x 3-3/4"	500	.72	1.50	122.95	610 x 610 x 102
*PURII2025495	20 x 25 x 4	19-1/2" x 24-1/2" x 3-3/4"	500	.72	1.50	106.26	508 x 635 x 102
PURII2024495	20 x 24 x 4	19-3/8" x 23-3/8" x 3-3/4"	500	.72	1.50	101.90	508 x 610 x 102
PURII2020495	20 x 20 x 4	19-1/2" x 19-1/2" x 3-3/4"	500	.72	1.50	84.47	508 x 508 x 102
PURII1824495	18 x 24 x 4	17-1/2" x 23-1/2" x 3-3/4"	500	.72	1.50	91.38	457 x 610 x 102
PURII1625495	16 x 25 x 4	15-1/2" x 24-1/2" x 3-3/4"	500	.72	1.50	84.32	406 x 635 x 102
PURII1620495	16 x 20 x 4	15-1/2" x 19-1/2" x 3-3/4"	500	.72	1.50	67.03	406 x 508 x 102
PURII1224495	12 x 24 x 4	11-3/8" x 23-3/8" x 3-3/4"	500	.72	1.50	59.82	305 x 610 x 102
MERV 14							
PURII242449	24 x 24 x 4	23-3/8" x 23-3/8" x 3-3/4"	500	.68	1.50	122.95	610 x 610 x 102
*PURII202549	20 x 25 x 4	19-1/2" x 24-1/2" x 3-3/4"	500	.68	1.50	106.26	508 x 635 x 102
PURII202449	20 x 24 x 4	19-3/8" x 23-3/8" x 3-3/4"	500	.68	1.50	101.90	508 x 610 x 102
PURII202049	20 x 20 x 4	19-1/2" x 19-1/2" x 3-3/4"	500	.68	1.50	84.47	508 x 508 x 102
PURII182449	18 x 24 x 4	17-1/2" x 23-1/2" x 3-3/4"	500	.68	1.50	91.38	457 x 610 x 102
PURII162549	16 x 25 x 4	15-1/2" x 24-1/2" x 3-3/4"	500	.68	1.50	84.32	406 x 635 x 102
PURII162049	16 x 20 x 4	15-1/2" x 19-1/2" x 3-3/4"	500	.68	1.50	67.03	406 x 508 x 102
PURII122449	12 x 24 x 4	11-3/8" x 23-3/8" x 3-3/4"	500	.68	1.50	59.82	305 x 610 x 102
MERV 13							
PURII242448	24 x 24 x 4	23-3/8" x 23-3/8" x 3-3/4"	500	.60	1.50	118.10	610 x 610 x 102
*PURII202548	20 x 25 x 4	19-1/2" x 24-1/2" x 3-3/4"	500	.60	1.50	102.08	508 x 635 x 102
PURII202448	20 x 24 x 4	19-3/8" x 23-3/8" x 3-3/4"	500	.60	1.50	97.89	508 x 610 x 102
PURII202048	20 x 20 x 4	19-1/2" x 19-1/2" x 3-3/4"	500	.60	1.50	81.14	508 x 508 x 102
PURII182448	18 x 24 x 4	17-1/2" x 23-1/2" x 3-3/4"	500	.60	1.50	87.78	457 x 610 x 102
PURII162548	16 x 25 x 4	15-1/2" x 24-1/2" x 3-3/4"	500	.60	1.50	80.75	406 x 635 x 102
PURII162048	16 x 20 x 4	15-1/2" x 19-1/2" x 3-3/4"	500	.60	1.50	64.39	406 x 508 x 102
PURII122448	12 x 24 x 4	11-3/8" x 23-3/8" x 3-3/4"	500	.60	1.50	57.47	305 x 610 x 102
MERV 11							
PURII242446	24 x 24 x 4	23-3/8" x 23-3/8" x 3-3/4"	500	.48	1.50	118.10	610 x 610 x 102
*PURII202546	20 x 25 x 4	19-1/2" x 24-1/2" x 3-3/4"	500	.48	1.50	102.08	508 x 635 x 102
PURII202446	20 x 24 x 4	19-3/8" x 23-3/8" x 3-3/4"	500	.48	1.50	97.89	508 x 610 x 102
PURII202046	20 x 20 x 4	19-1/2" x 19-1/2" x 3-3/4"	500	.48	1.50	81.14	508 x 508 x 102
PURII182446	18 x 24 x 4	17-1/2" x 23-1/2" x 3-3/4"	500	.48	1.50	87.78	457 x 610 x 102
PURII162546	16 x 25 x 4	15-1/2" x 24-1/2" x 3-3/4"	500	.48	1.50	80.75	406 x 635 x 102
PURII162046	16 x 20 x 4	15-1/2" x 19-1/2" x 3-3/4"	500	.48	1.50	64.39	406 x 508 x 102
PURII122446	12 x 24 x 4	11-3/8" x 23-3/8" x 3-3/4"	500	.48	1.50	57.47	305 x 610 x 102

Tolerances shall be +/- 1/8" for height, width and +/- 1/16" for depth. 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

■ MERV 11 ■ MERV 13 ■ MERV 14 ■ MERV 15

MINIMUM PARTICLE SIZE EFFICIENCY
Test Filter Size 24" x 24" x 4" Nominal

■ MERV 11 ■ MERV 13 ■ MERV 14 ■ MERV 15

MADE IN U.S.A.

NAFA National Air Filtration Association

Distributed by:

PURACELL II M & MH
Mini-Pleat Series

- Compact Design for Maximum Air Flow
- Four Efficiencies Available
- Standard and Special Sizes
- Media Will Not Support Microbial Growth

FEATURES >

The Glasfloss Puracell II M & MH Mini-Pleat Series is designed for use in applications where a high degree of efficiency is required in a 4" filter. The Puracell II M & MH 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 M & MH 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 M & MH comes in a variety of sizes and efficiencies.

The Glasfloss Puracell II M & MH filter is a mini-pleat cartridge encapsulated with a heavy-duty 26 gauge galvanized metal frame. An optional gasket can be applied to the filter frame. The galvanized metal frame is riveted together to form a rigid frame. The Puracell II M & MH 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 metal frame to prevent air bypass. A metal face guard shall be secure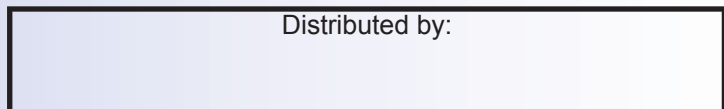d on the air leaving side. The filter shall be rated to withstand temperatures up to 180 degrees Fahrenheit. The recommended final resistance for Puracell II M & MH filters is 1.5" w.g.

SPECIFICATIONS <

GALVANIZED METAL FRAME

METAL FACE GUARD

MICRO FIBER MEDIA
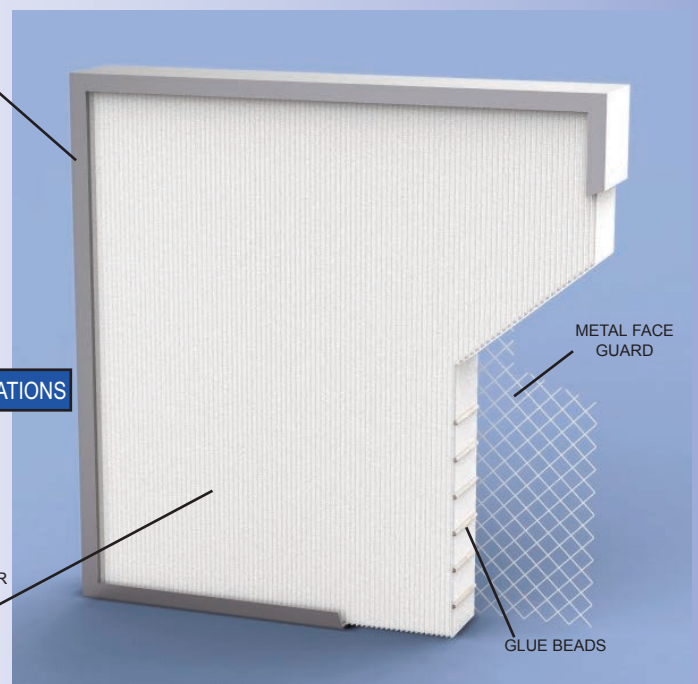
GLUE BEADS

PURACELL II M & MH 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
				M	MH		M	MH	
MERV 15									
242449	24 x 24 x 4	23-3/8" x 23-3/8" x 3-3/4"	500	.68	.71	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	.68	.71	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	.68	.71	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	.68	.71	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	.68	.71	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	.68	.71	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	.68	.71	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	.68	.71	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	.68	.71	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	.68	.71	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	.68	.71	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	.68	.71	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	.68	.71	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	.68	.71	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	.68	.71	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	.68	.71	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	.60	.63	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	.60	.63	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	.60	.63	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	.60	.63	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	.60	.63	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	.60	.63	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	.60	.63	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	.60	.63	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	.48	.51	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	.48	.51	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	.48	.51	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	.48	.51	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	.48	.51	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	.48	.51	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	.48	.51	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	.48	.51	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

RESISTANCE IN. W.G. vs AIR FLOW RATE, (FPM)
Legend: MERV 11, MERV 13, MERV 14, MERV 15

MINIMUM PARTICLE SIZE EFFICIENCY
Test Filter Size 24" x 24" x 4" Nominal

REMOVAL PERCENTAGE vs PARTICLE SIZE, MICRONS
Legend: MERV 11, MERV 13, MERV 14, MERV 15

MADE IN U.S.A.
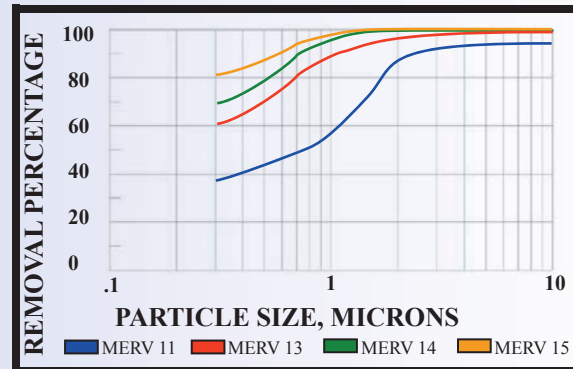
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Glasfloss® Industries
Excellence in Air Filtration Since 1936

PURACELL II
4" HIGH EFFICIENCY AIR FILTER

PART NUMBER	NOMINAL SIZE W X H X D	ACTUAL SIZE W X H X D	UNIT PRICE	CASE QTY.	APPROX. CASE WEIGHT
MERV 15					
PURII2424495	24x24x4	23 3/8" x 23 3/8" x 3 3/4"	$116.63	3	20
*PURII2025495	20x25x4	19 1/2" x 24 1/2" x 3 3/4"	$132.30	3	18
PURII2024495	20x24x4	19 3/8" x 23 3/8" x 3 3/4"	$129.91	3	17
PURII2020495	20x20x4	19 1/2" x 19 1/2" x 3 3/4"	$108.74	3	14
PURII1824495	18x24x4	17 1/2" x 23 1/2" x 3 3/4"	$131.70	3	15
PURII1625495	16x25x4	15 1/2" x 24 1/2" x 3 3/4"	$122.48	3	14
PURII1620495	16x20x4	15 1/2" x 19 1/2" x 3 3/4"	$108.74	3	12
PURII1224495	12x24x4	11 3/8" x 23 3/8" x 3 3/4"	$85.27	6	20
MERV 14 (90-95%)					
PURII242449	24x24x4	23 3/8" x 23 3/8" x 3 3/4"	$107.96	3	20
*PURII202549	20x25x4	19 1/2" x 24 1/2" x 3 3/4"	$122.49	3	18
PURII202449	20x24x4	19 3/8" x 23 3/8" x 3 3/4"	$120.31	3	17
PURII202049	20x20x4	19 1/2" x 19 1/2" x 3 3/4"	$100.72	3	14
PURII182449	18x24x4	17 1/2" x 23 1/2" x 3 3/4"	$121.94	3	15
PURII162549	16x25x4	15 1/2" x 24 1/2" x 3 3/4"	$113.39	3	14
PURII162049	16x20x4	15 1/2" x 19 1/2" x 3 3/4"	$100.72	3	12
PURII122449	12x24x4	11 3/8" x 23 3/8" x 3 3/4"	$78.93	6	20
MERV 13 (80-85%)					
PURII242448	24x24x4	23 3/8" x 23 3/8" x 3 3/4"	$103.40	3	20
*PURII202548	20x25x4	19 1/2" x 24 1/2" x 3 3/4"	$117.48	3	18
PURII202448	20x24x4	19 3/8" x 23 3/8" x 3 3/4"	$115.65	3	17
PURII202048	20x20x4	19 1/2" x 19 1/2" x 3 3/4"	$96.72	3	14
PURII182448	18x24x4	17 1/2" x 23 1/2" x 3 3/4"	$117.00	3	15
PURII162548	16x25x4	15 1/2" x 24 1/2" x 3 3/4"	$108.84	3	14
PURII162048	16x20x4	15 1/2" x 19 1/2" x 3 3/4"	$96.72	3	12
PURII122448	12x24x4	11 3/8" x 23 3/8" x 3 3/4"	$75.81	6	20
MERV 11 (60-65%)					
PURII242446	24x24x4	23 3/8" x 23 3/8" x 3 3/4"	$99.78	3	19
*PURII202546	20x25x4	19 1/2" x 24 1/2" x 3 3/4"	$112.98	3	17
PURII202446	20x24x4	19 3/8" x 23 3/8" x 3 3/4"	$110.68	3	16
PURII202046	20x20x4	19 1/2" x 19 1/2" x 3 3/4"	$92.79	3	14
PURII182446	18x24x4	17 1/2" x 23 1/2" x 3 3/4"	$112.50	3	15
PURII162546	16x25x4	15 1/2" x 24 1/2" x 3 3/4"	$104.81	3	14
PURII162046	16x20x4	15 1/2" x 19 1/2" x 3 3/4"	$92.79	3	11
PURII122446	12x24x4	11 3/8" x 23 3/8" x 3 3/4"	$72.56	6	19

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

Puracell II Options:
For Side Access Housings an optional internal header/channel is available on Puracell II.
Add $14.00 to the List Price and add the letter: 'H' to the end of the Part Number.

PURACELL II M & MH
4" METAL FRAME HIGH EFFICIENCY AIR FILTER

BASE MODEL NUMBER	NOMINAL SIZE W X H X D	ACTUAL SIZE W X H X D	BOX (M) STYLE UNIT PRICE	HEADER (MH) STYLE UNIT PRICE	CASE QTY.	APPROX (M) CTN WEIGHT	APPROX (MH) CTN WEIGHT
MERV 15							
242449	24x24x4	23 3/8" x 23 3/8" x 3 3/4"	$191.25	$198.37	3	25	20
*202549	20x25x4	19 3/8" x 24 3/8" x 3 3/4"	$216.28	$223.39	3	22	18
202449	20x24x4	19 3/8" x 23 3/8" x 3 3/4"	$212.06	$219.16	3	21	17
202049	20x20x4	19 3/8" x 19 3/8" x 3 3/4"	$163.17	$170.25	3	20	14
182449	18x24x4	17 3/8" x 23 3/8" x 3 3/4"	$215.91	$223.03	3	21	15
162549	16x25x4	15 3/8" x 24 3/8" x 3 3/4"	$194.86	$201.97	3	20	14
162049	16x20x4	15 3/8" x 19 3/8" x 3 3/4"	$163.17	$170.25	3	17	12
122449	12x24x4	11 3/8" x 23 3/8" x 3 3/4"	$151.05	$158.15	6	26	20
MERV 14 (90-95%)							
242443	24x24x4	23 3/8" x 23 3/8" x 3 3/4"	$177.06	$183.66	3	25	20
*202543	20x25x4	19 3/8" x 24 3/8" x 3 3/4"	$200.25	$206.85	3	22	18
202443	20x24x4	19 3/8" x 23 3/8" x 3 3/4"	$196.34	$202.90	3	21	17
202043	20x20x4	19 3/8" x 19 3/8" x 3 3/4"	$151.07	$157.63	3	20	14
182443	18x24x4	17 3/8" x 23 3/8" x 3 3/4"	$199.93	$206.51	3	21	15
162543	16x25x4	15 3/8" x 24 3/8" x 3 3/4"	$180.43	$187.00	3	20	14
162043	16x20x4	15 3/8" x 19 3/8" x 3 3/4"	$151.07	$157.63	3	17	12
122443	12x24x4	11 3/8" x 23 3/8" x 3 3/4"	$139.85	$146.41	6	26	20
MERV 13 (80-85%)							
242442	24x24x4	23 3/8" x 23 3/8" x 3 3/4"	$175.48	$182.05	3	25	20
*202542	20x25x4	19 3/8" x 24 3/8" x 3 3/4"	$198.52	$205.09	3	22	18
202442	20x24x4	19 3/8" x 23 3/8" x 3 3/4"	$194.58	$201.17	3	21	17
202042	20x20x4	19 3/8" x 19 3/8" x 3 3/4"	$149.74	$156.35	3	20	14
182442	18x24x4	17 3/8" x 23 3/8" x 3 3/4"	$198.17	$204.73	3	21	15
162542	16x25x4	15 3/8" x 24 3/8" x 3 3/4"	$178.84	$185.44	3	20	14
162042	16x20x4	15 3/8" x 19 3/8" x 3 3/4"	$149.74	$156.35	3	17	12
122442	12x24x4	11 3/8" x 23 3/8" x 3 3/4"	$138.68	$145.25	6	26	20
MERV 11 (60-65%)							
242441	24x24x4	23 3/8" x 23 3/8" x 3 3/4"	$173.06	$179.62	3	25	19
*202541	20x25x4	19 3/8" x 24 3/8" x 3 3/4"	$195.74	$202.34	3	22	17
202441	20x24x4	19 3/8" x 23 3/8" x 3 3/4"	$191.85	$198.45	3	21	16
202041	20x20x4	19 3/8" x 19 3/8" x 3 3/4"	$147.68	$154.27	3	20	14
182441	18x24x4	17 3/8" x 23 3/8" x 3 3/4"	$195.43	$201.99	3	21	15
162541	16x25x4	15 3/8" x 24 3/8" x 3 3/4"	$176.38	$182.98	3	20	14
162041	16x20x4	15 3/8" x 19 3/8" x 3 3/4"	$147.68	$154.28	3	17	11
122441	12x24x4	11 3/8" x 23 3/8" x 3 3/4"	$136.73	$143.30	6	26	19

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

Foam Gasket is optional: Add $12.00 to List for (8) sides
Add $6.50 to List for (4) sides
Add $5.50 to List for (2) sides
Add $4.25 to List for (1) vertical side

Face Guard is standard on Air Leaving side, add $8.50 list for both sides; media pack depth will decrease approx. 1/8-inch
Note part number configuration.

Puracell II M & MH Prefix ID	Frame Style	Base Part Number	*Gasket Location (Number = Sides)	Face Guards
PUG	B = Box H = Single Header	Select the Base Part Number for Desired Size and Efficiency	O = No Gasket (0) **Box Style** A = Air Exit (4) B = Air Entry (4) C = Air Exit/Entry (8) D = Side Load (2) **Single Header** E = Air Entry/Exit (8) F = Air Entry (4) H = Air Exit (4) J = Side Load (2) S = Side Load (1)	1 = Back Side (Standard) 3 = Both Sides
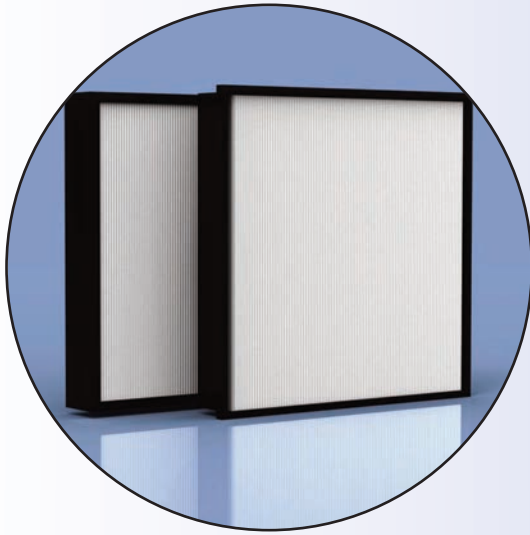
[PURACELL II P & PH]
Mini-Pleat Series

- 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.

< SPECIFICATIONS

POLYSTYRENE PLASTIC FRAME

ADHESIVE BEAD

MICRO FIBER MEDIA

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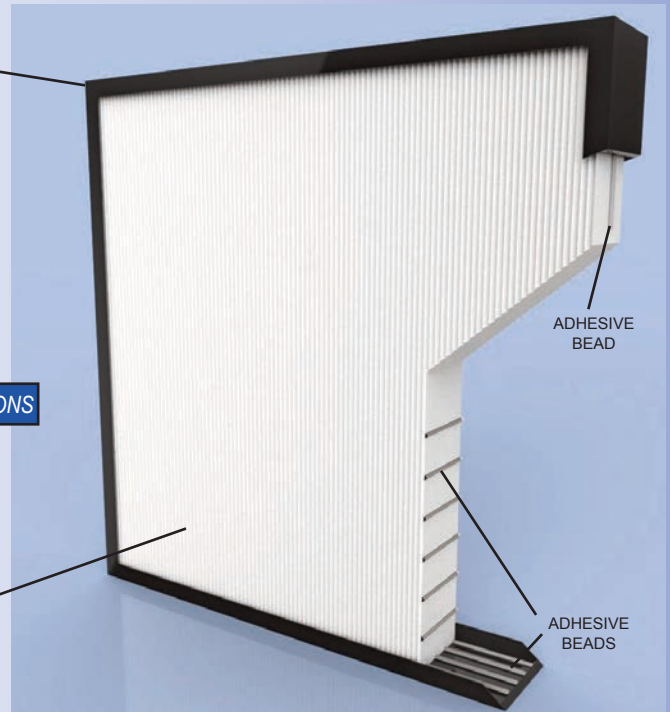
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Glasfloss has a policy of uninterrupted research, development and product improvement and reserves the right to change design and specifications without notice.

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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. P	INITIAL RESIST. IN. W.G. PH	FINAL RESIST. IN. W.G.	MEDIA SQUARE FEET P	MEDIA SQUARE FEET PH	SIZE W x H x D NOMINAL MM
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.

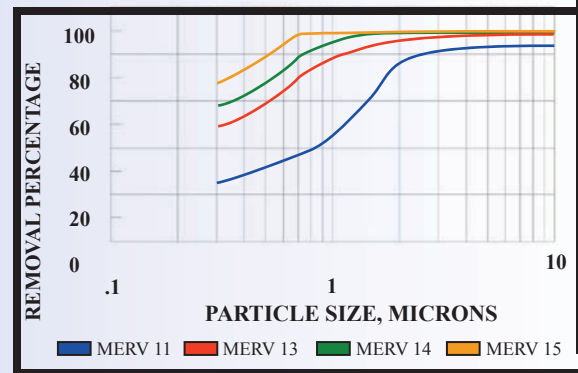*Model Number Size Configuration may be produced as 20x25 or 25x20.

STANDARD PRESSURE DROP
Test Filter Size 24" x 24" x 4" Nominal Box

Y-axis: RESISTANCE IN. W.G. (0 – 1.0)
X-axis: AIR FLOW RATE, (FPM) (250 – 500)
Legend: MERV 11, MERV 13, MERV 14, MERV 15

MINIMUM PARTICLE SIZE EFFICIENCY
Test Filter Size 24" x 24" x 4" Nominal

Y-axis: REMOVAL PERCENTAGE (0 – 100)
X-axis: PARTICLE SIZE, MICRONS (.1 – 10)
Legend: MERV 11, MERV 13, MERV 14, MERV 15

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PURACELL II P & PH
4" PLASTIC FRAME HIGH EFFICIENCY AIR FILTER

BASE MODEL NUMBER	NOMINAL SIZE W X H X D	ACTUAL SIZE W X H X D	BOX (B) STYLE UNIT PRICE	HEADER (H) STYLE UNIT PRICE	CASE QTY.	APPROX (B) CTN WEIGHT	APPROX (H) CTN WEIGHT
MERV 15							
242449	24x24x4	23 3/8" x 23 3/8" x 3 3/4"	$157.51	$163.40	3	24	25
*202549	20x25x4	19 3/8" x 24 3/8" x 3 3/4"	$178.16	$184.03	3	22	23
202449	20x24x4	19 3/8" x 23 3/8" x 3 3/4"	$174.67	$180.52	3	21	22
202049	20x20x4	19 3/8" x 19 3/8" x 3 3/4"	$134.41	$140.24	3	18	19
182449	18x24x4	17 3/8" x 23 3/8" x 3 3/4"	$177.85	$183.71	3	19	20
162549	16x25x4	15 3/8" x 24 3/8" x 3 3/4"	$160.50	$166.36	3	18	19
162049	16x20x4	15 3/8" x 19 3/8" x 3 3/4"	$134.41	$140.24	3	16	17
122449	12x24x4	11 3/8" x 23 3/8" x 3 3/4"	$124.43	$130.28	6	24	25
MERV 14							
242443	24x24x4	23 3/8" x 23 3/8" x 3 3/4"	$145.87	$151.31	3	24	25
*202543	20x25x4	19 3/8" x 24 3/8" x 3 3/4"	$164.94	$170.37	3	22	23
202443	20x24x4	19 3/8" x 23 3/8" x 3 3/4"	$161.74	$167.14	3	21	22
202043	20x20x4	19 3/8" x 19 3/8" x 3 3/4"	$124.45	$129.84	3	18	19
182443	18x24x4	17 3/8" x 23 3/8" x 3 3/4"	$164.67	$170.10	3	19	20
162543	16x25x4	15 3/8" x 24 3/8" x 3 3/4"	$148.63	$154.03	3	18	19
162043	16x20x4	15 3/8" x 19 3/8" x 3 3/4"	$124.45	$129.84	3	16	17
122443	12x24x4	11 3/8" x 23 3/8" x 3 3/4"	$115.20	$120.60	6	24	25
MERV 13							
242442	24x24x4	23 3/8" x 23 3/8" x 3 3/4"	$144.56	$149.97	3	24	25
*202542	20x25x4	19 3/8" x 24 3/8" x 3 3/4"	$163.50	$168.93	3	22	23
202442	20x24x4	19 3/8" x 23 3/8" x 3 3/4"	$160.26	$165.68	3	21	22
202042	20x20x4	19 3/8" x 19 3/8" x 3 3/4"	$123.33	$128.79	3	18	19
182442	18x24x4	17 3/8" x 23 3/8" x 3 3/4"	$163.23	$168.64	3	19	20
162542	16x25x4	15 3/8" x 24 3/8" x 3 3/4"	$147.33	$152.76	3	18	19
162042	16x20x4	15 3/8" x 19 3/8" x 3 3/4"	$123.33	$128.79	3	16	17
122442	12x24x4	11 3/8" x 23 3/8" x 3 3/4"	$114.20	$119.63	6	24	25
MERV 11							
242441	24x24x4	23 3/8" x 23 3/8" x 3 3/4"	$142.51	$147.93	3	24	25
*202541	20x25x4	19 3/8" x 24 3/8" x 3 3/4"	$161.24	$166.70	3	22	23
202441	20x24x4	19 3/8" x 23 3/8" x 3 3/4"	$158.02	$163.47	3	21	22
202041	20x20x4	19 3/8" x 19 3/8" x 3 3/4"	$121.65	$127.09	3	18	19
182441	18x24x4	17 3/8" x 23 3/8" x 3 3/4"	$160.98	$166.39	3	19	20
162541	16x25x4	15 3/8" x 24 3/8" x 3 3/4"	$145.29	$150.72	3	18	19
162041	16x20x4	15 3/8" x 19 3/8" x 3 3/4"	$121.65	$127.10	3	16	17
122441	12x24x4	11 3/8" x 23 3/8" x 3 3/4"	$112.62	$118.07	6	24	25

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

Foam Gasket is optional: Add $12.00 to List for (8) sides
Add $6.50 to List for (4) sides
Add $5.50 to List for (2) sides

Puracell II P & PH Prefix ID	Frame Style	Base Part Number	*Gasket Location (Number = Sides)
PUPF	B = Box H = Single Header	Select the Base Part Number for Desired Size and Efficiency	O = No Gasket (0) **Box Style** A = Air Exit (4) B = Air Entry (4) C = Air Exit/Entry (8) D = Side Load (2) **Single Header** E = Air Exit/Entry (8) F = Air Entry (4) H = Air Exit (4)

[PURACELL II-S]
Mini-Pleat Synthetic Media Series

- 100% Synthetic Media
- Compact Design for Maximum Air Flow
- Standard and Special Sizes
- MERV 11, 13 and 15
- Media Will Not Support Microbial Growth
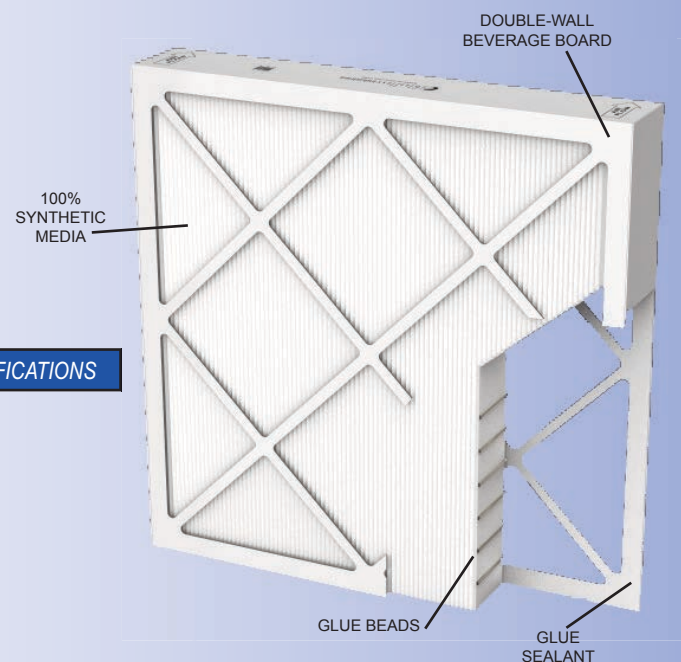
FEATURES >

The Glasfloss Puracell II-S Synthetic Mini-Pleat Series filters are designed for use in applications where a high degree of efficiency is required in a 4" filter. The Puracell II-S 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-S 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-S comes in a variety of sizes and performances.

The Glasfloss Puracell II-S filter is a mini-pleat cartridge encapsulated between two heavy-duty beverage board die-cut frames. The die-cut frames are bonded together, creating a double-wall thickness around the perimeter of the filter. The Puracell II-S pack is a pleated 100% synthetic 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 bonded to the interior of the die-cut frame. The filter shall be rated to withstand temperatures up to 180 degrees Fahrenheit. The recommended final resistance for Puracell II-S filters is 1.5" w.g.

< SPECIFICATIONS

DOUBLE-WALL BEVERAGE BOARD

100% SYNTHETIC MEDIA

GLUE BEADS

GLUE SEALANT

"Serving You With Locations Throughout The Nation"

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

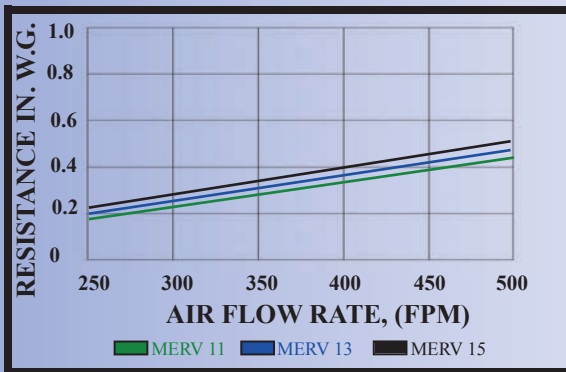www.glasfloss.com • (214) 741-7056   PRODUCT BULLETIN 11PURIIS • SECTION 11 • 3-10-20

PURACELL II-S SYNTHETIC MEDIA SERIES

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
MERV 15							
PURIIS2424495	24 x 24 x 4	23-3/8" x 23-3/8" x 3-3/4"	500	.48	1.50	84.28	610 x 610 x 102
PURIIS2025495	20 x 25 x 4	19-1/2" x 24-1/2" x 3-3/4"	500	.48	1.50	74.14	508 x 635 x 102
PURIIS2024495	20 x 24 x 4	19-3/8" x 23-3/8" x 3-3/4"	500	.48	1.50	70.23	508 x 610 x 102
PURIIS2020495	20 x 20 x 4	19-1/2" x 19-1/2" x 3-3/4"	500	.48	1.50	58.53	508 x 508 x 102
PURIIS1824495	18 x 24 x 4	17-1/2" x 23-1/2" x 3-3/4"	500	.48	1.50	62.98	457 x 610 x 102
PURIIS1625495	16 x 25 x 4	15-1/2" x 24-1/2" x 3-3/4"	500	.48	1.50	58.83	406 x 635 x 102
PURIIS1620495	16 x 20 x 4	15-1/2" x 19-1/2" x 3-3/4"	500	.48	1.50	46.45	406 x 508 x 102
PURIIS1224495	12 x 24 x 4	11-3/8" x 23-3/8" x 3-3/4"	500	.48	1.50	40.97	305 x 610 x 102
MERV 13							
PURIIS242448	24 x 24 x 4	23-3/8" x 23-3/8" x 3-3/4"	500	.46	1.50	84.28	610 x 610 x 102
PURIIS202548	20 x 25 x 4	19-1/2" x 24-1/2" x 3-3/4"	500	.46	1.50	74.14	508 x 635 x 102
PURIIS202448	20 x 24 x 4	19-3/8" x 23-3/8" x 3-3/4"	500	.46	1.50	70.23	508 x 610 x 102
PURIIS202048	20 x 20 x 4	19-1/2" x 19-1/2" x 3-3/4"	500	.46	1.50	58.53	508 x 508 x 102
PURIIS182448	18 x 24 x 4	17-1/2" x 23-1/2" x 3-3/4"	500	.46	1.50	62.98	457 x 610 x 102
PURIIS162548	16 x 25 x 4	15-1/2" x 24-1/2" x 3-3/4"	500	.46	1.50	58.83	406 x 635 x 102
PURIIS162048	16 x 20 x 4	15-1/2" x 19-1/2" x 3-3/4"	500	.46	1.50	46.45	406 x 508 x 102
PURIIS122448	12 x 24 x 4	11-3/8" x 23-3/8" x 3-3/4"	500	.46	1.50	40.97	305 x 610 x 102
MERV 11							
PURIIS242446	24 x 24 x 4	23-3/8" x 23-3/8" x 3-3/4"	500	.44	1.50	84.28	610 x 610 x 102
PURIIS202546	20 x 25 x 4	19-1/2" x 24-1/2" x 3-3/4"	500	.44	1.50	74.14	508 x 635 x 102
PURIIS202446	20 x 24 x 4	19-3/8" x 23-3/8" x 3-3/4"	500	.44	1.50	70.23	508 x 610 x 102
PURIIS202046	20 x 20 x 4	19-1/2" x 19-1/2" x 3-3/4"	500	.44	1.50	58.53	508 x 508 x 102
PURIIS182446	18 x 24 x 4	17-1/2" x 23-1/2" x 3-3/4"	500	.44	1.50	62.98	457 x 610 x 102
PURIIS162546	16 x 25 x 4	15-1/2" x 24-1/2" x 3-3/4"	500	.44	1.50	58.83	406 x 635 x 102
PURIIS162046	16 x 20 x 4	15-1/2" x 19-1/2" x 3-3/4"	500	.44	1.50	46.45	406 x 508 x 102
PURIIS122446	12 x 24 x 4	11-3/8" x 23-3/8" x 3-3/4"	500	.44	1.50	40.97	305 x 610 x 102

Tolerances shall be +/- 1/8" for height, width and +/- 1/16" for depth. Performance values based on ASHRAE and in-house testing methods.

STANDARD PRESSURE DROP
Test Filter Size 24" x 24" x 4" Nominal

MERV 11   MERV 13   MERV 15

MINIMUM PARTICLE SIZE EFFICIENCY
Test Filter Size 24" x 24" x 4" Nominal

MERV 11   MERV 13   MERV 15

NAFA National Air Filtration Association
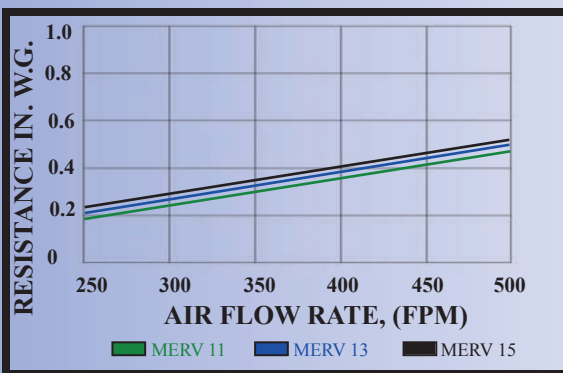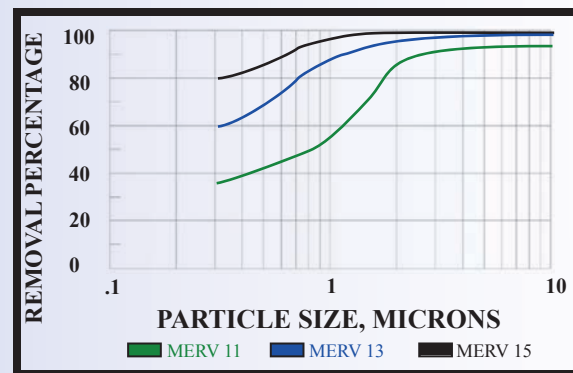
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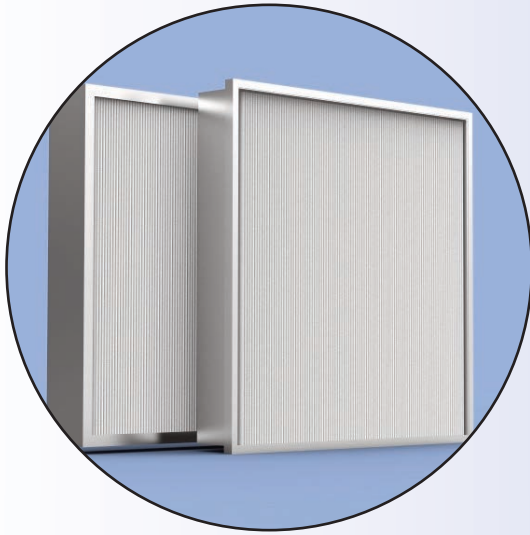
PURACELL II M-S & MH-S
Mini-Pleat Synthetic Media Series

- 100% Synthetic Media
- Compact Design for Maximum Air Flow
- Standard and Special Sizes
- MERV 11, 13 and 15
- Media Will Not Support Microbial Growth

FEATURES >

The Glasfloss Puracell II M-S & MH-S Mini-Pleat Series filters are designed for use in applications where a high degree of efficiency is required in a 4" filter. The Puracell II M-S & MH-S 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 M-S & MH-S filters offer 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 M-S & MH-S filters come in a variety of sizes and performances.

The Glasfloss Puracell II M-S & MH-S filter is a mini-pleat cartridge encapsulated with a heavy-duty 26 gauge galvanized metal frame. An optional gasket can be applied to the filter frame. The galvanized metal frame is riveted together to form a rigid frame. The Puracell II M-S & MH-S pack is a pleated 100% synthetic 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 metal frame to prevent air bypass. A metal face guard shall be secured on the air leaving side. The filter shall be rated to withstand temperatures up to 180 degrees Fahrenheit. The recommended final resistance for Puracell II M-S & MH-S filters is 1.5" w.g.

< SPECIFICATIONS

GALVANIZED METAL FRAME

ADHESIVE BEAD

METAL FACE GUARD
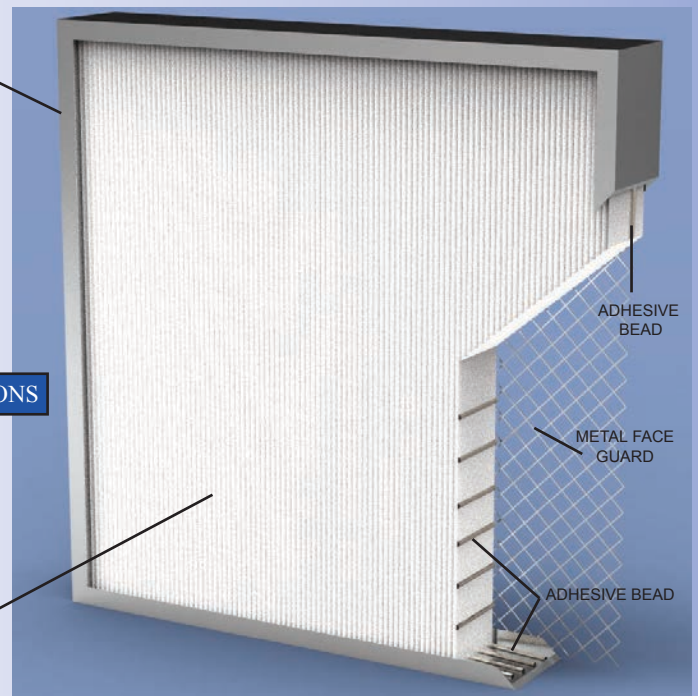
100% SYNTHETIC MEDIA

ADHESIVE BEAD

PURACELL II M-S & MH-S SYNTHETIC MEDIA 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
				M-S	MH-S		M-S	MH-S	
MERV 15									
242449	24 x 24 x 4	23-3/8" x 23-3/8" x 3-3/4"	500	.47	.55	1.50	75.56	64.05	610 x 610 x 102
202549	20 x 25 x 4	19-3/8" x 24-3/8" x 3-3/4"	500	.47	.55	1.50	65.17	54.51	508 x 635 x 102
202449	20 x 24 x 4	19-3/8" x 23-3/8" x 3-3/4"	500	.47	.55	1.50	62.97	52.41	508 x 610 x 102
202049	20 x 20 x 4	19-3/8" x 19-3/8" x 3-3/4"	500	.47	.55	1.50	52.14	42.66	508 x 508 x 102
182449	18 x 24 x 4	17-3/8" x 23-3/8" x 3-3/4"	500	.47	.55	1.50	55.62	46.58	457 x 610 x 102
162549	16 x 25 x 4	15-3/8" x 24-3/8" x 3-3/4"	500	.47	.55	1.50	51.63	42.05	406 x 635 x 102
162049	16 x 20 x 4	15-3/8" x 19-3/8" x 3-3/4"	500	.47	.55	1.50	41.30	32.91	406 x 508 x 102
122449	12 x 24 x 4	11-3/8" x 23-3/8" x 3-3/4"	500	.47	.55	1.50	36.73	28.14	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	.45	.53	1.50	75.56	64.05	610 x 610 x 102
202542	20 x 25 x 4	19-3/8" x 24-3/8" x 3-3/4"	500	.45	.53	1.50	65.17	54.51	508 x 635 x 102
202442	20 x 24 x 4	19-3/8" x 23-3/8" x 3-3/4"	500	.45	.53	1.50	62.97	52.41	508 x 610 x 102
202042	20 x 20 x 4	19-3/8" x 19-3/8" x 3-3/4"	500	.45	.53	1.50	52.14	42.66	508 x 508 x 102
182442	18 x 24 x 4	17-3/8" x 23-3/8" x 3-3/4"	500	.45	.53	1.50	55.62	46.58	457 x 610 x 102
162542	16 x 25 x 4	15-3/8" x 24-3/8" x 3-3/4"	500	.45	.53	1.50	51.63	42.05	406 x 635 x 102
162042	16 x 20 x 4	15-3/8" x 19-3/8" x 3-3/4"	500	.45	.53	1.50	41.30	32.91	406 x 508 x 102
122442	12 x 24 x 4	11-3/8" x 23-3/8" x 3-3/4"	500	.45	.53	1.50	36.73	28.14	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	.43	.51	1.50	75.56	64.05	610 x 610 x 102
202541	20 x 25 x 4	19-3/8" x 24-3/8" x 3-3/4"	500	.43	.51	1.50	65.17	54.51	508 x 635 x 102
202441	20 x 24 x 4	19-3/8" x 23-3/8" x 3-3/4"	500	.43	.51	1.50	62.97	52.41	508 x 610 x 102
202041	20 x 20 x 4	19-3/8" x 19-3/8" x 3-3/4"	500	.43	.51	1.50	52.14	42.66	508 x 508 x 102
182441	18 x 24 x 4	17-3/8" x 23-3/8" x 3-3/4"	500	.43	.51	1.50	55.62	46.58	457 x 610 x 102
162541	16 x 25 x 4	15-3/8" x 24-3/8" x 3-3/4"	500	.43	.51	1.50	51.63	42.05	406 x 635 x 102
162041	16 x 20 x 4	15-3/8" x 19-3/8" x 3-3/4"	500	.43	.51	1.50	41.30	32.91	406 x 508 x 102
122441	12 x 24 x 4	11-3/8" x 23-3/8" x 3-3/4"	500	.43	.51	1.50	36.73	28.14	305 x 610 x 102

Tolerances shall be +/- 1/16" for width and height. Performance values based on ASHRAE and in-house testing methods.
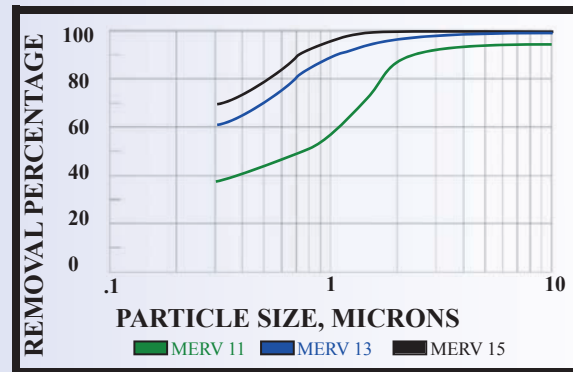
STANDARD PRESSURE DROP
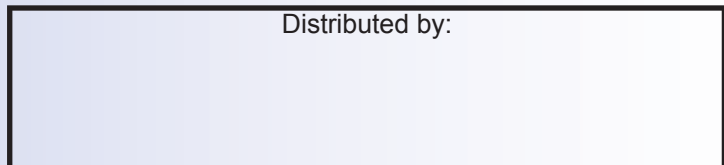**Test Filter Size 24" x 24" x 4" Nominal Box**

RESISTANCE IN. W.G. — AIR FLOW RATE, (FPM)

MERV 11   MERV 13   MERV 15

MINIMUM PARTICLE SIZE EFFICIENCY
Test Filter Size 24" x 24" x 4" Nominal

REMOVAL PERCENTAGE — PARTICLE SIZE, MICRONS

MERV 11   MERV 13   MERV 15

MADE IN U.S.A.

U.S. GREEN BUILDING COUNCIL — LEED — USGBC

NAFA National Air Filtration Association

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Excellence in Air Filtration Since 1936

PURACELL II-S
4" HIGH EFFICIENCY SYNTHETIC MEDIA
AIR FILTER

PART NUMBER	NOMINAL SIZE W X H X D	ACTUAL SIZE W X H X D	UNIT PRICE	CASE QTY.	APPROX. CASE WEIGHT
MERV 15					
PURIIS2424495	24x24x4	23 3/8" x 23 3/8" x 3 3/4"	$120.70	3	24
PURIIS2025495	20x25x4	19 1/2" x 24 1/2" x 3 3/4"	$136.93	3	21
PURIIS2024495	20x24x4	19 3/8" x 23 3/8" x 3 3/4"	$134.46	3	20
PURIIS2020495	20x20x4	19 1/2" x 19 1/2" x 3 3/4"	$112.55	3	17
PURIIS1824495	18x24x4	17 1/2" x 23 1/2" x 3 3/4"	$136.30	3	18
PURIIS1625495	16x25x4	15 1/2" x 24 1/2" x 3 3/4"	$126.77	3	17
PURIIS1620495	16x20x4	15 1/2" x 19 1/2" x 3 3/4"	$112.55	3	14
PURIIS1224495	12x24x4	11 3/8" x 23 3/8" x 3 3/4"	$88.25	6	24
MERV 13					
PURIIS242448	24x24x4	23 3/8" x 23 3/8" x 3 3/4"	$107.00	3	24
PURIIS202548	20x25x4	19 1/2" x 24 1/2" x 3 3/4"	$121.61	3	21
PURIIS202448	20x24x4	19 3/8" x 23 3/8" x 3 3/4"	$119.71	3	20
PURIIS202048	20x20x4	19 1/2" x 19 1/2" x 3 3/4"	$100.11	3	17
PURIIS182448	18x24x4	17 1/2" x 23 1/2" x 3 3/4"	$121.11	3	18
PURIIS162548	16x25x4	15 1/2" x 24 1/2" x 3 3/4"	$112.64	3	17
PURIIS162048	16x20x4	15 1/2" x 19 1/2" x 3 3/4"	$100.11	3	14
PURIIS122448	12x24x4	11 3/8" x 23 3/8" x 3 3/4"	$78.45	6	24
MERV 11					
PURIIS242446	24x24x4	23 3/8" x 23 3/8" x 3 3/4"	$103.28	3	22
PURIIS202546	20x25x4	19 1/2" x 24 1/2" x 3 3/4"	$116.92	3	20
PURIIS202446	20x24x4	19 3/8" x 23 3/8" x 3 3/4"	$114.57	3	19
PURIIS202046	20x20x4	19 1/2" x 19 1/2" x 3 3/4"	$96.04	3	17
PURIIS182446	18x24x4	17 1/2" x 23 1/2" x 3 3/4"	$116.43	3	18
PURIIS162546	16x25x4	15 1/2" x 24 1/2" x 3 3/4"	$108.48	3	17
PURIIS162046	16x20x4	15 1/2" x 19 1/2" x 3 3/4"	$96.04	3	13
PURIIS122446	12x24x4	11 3/8" x 23 3/8" x 3 3/4"	$75.11	6	22

PURACELL II M-S & MH-S
4" METAL FRAME SYNTHETIC MEDIA HIGH EFFICIENCY AIR FILTER
HIGH EFFICIENCY AIR FILTER

BASE MODEL NUMBER	NOMINAL SIZE W X H X D	ACTUAL SIZE W X H X D	BOX (M-S) STYLE UNIT PRICE	HEADER (MH-S) STYLE UNIT PRICE	CASE QTY.	APPROX (M) CTN WEIGHT	APPROX (MH) CTN WEIGHT
MERV 15							
242449	24x24x4	23 3/8" x 23 3/8" x 3 3/4"	$197.92	$205.30	3	27	22
202549	20x25x4	19 3/8" x 24 3/8" x 3 3/4"	$223.85	$231.20	3	24	19
202449	20x24x4	19 3/8" x 23 3/8" x 3 3/4"	$219.46	$226.83	3	23	18
202049	20x20x4	19 3/8" x 19 3/8" x 3 3/4"	$168.86	$176.20	3	22	15
182449	18x24x4	17 3/8" x 23 3/8" x 3 3/4"	$223.48	$230.81	3	23	16
162549	16x25x4	15 3/8" x 24 3/8" x 3 3/4"	$201.68	$209.04	3	22	15
162049	16x20x4	15 3/8" x 19 3/8" x 3 3/4"	$168.86	$176.20	3	18	13
122449	12x24x4	11 3/8" x 23 3/8" x 3 3/4"	$156.33	$163.69	6	28	22
MERV 13							
242442	24x24x4	23 3/8" x 23 3/8" x 3 3/4"	$181.64	$188.43	3	27	22
202542	20x25x4	19 3/8" x 24 3/8" x 3 3/4"	$205.46	$212.27	3	24	19
202442	20x24x4	19 3/8" x 23 3/8" x 3 3/4"	$201.39	$208.21	3	23	18
202042	20x20x4	19 3/8" x 19 3/8" x 3 3/4"	$154.99	$161.84	3	22	15
182442	18x24x4	17 3/8" x 23 3/8" x 3 3/4"	$205.10	$211.91	3	23	16
162542	16x25x4	15 3/8" x 24 3/8" x 3 3/4"	$185.12	$191.95	3	22	15
162042	16x20x4	15 3/8" x 19 3/8" x 3 3/4"	$154.99	$161.84	3	18	13
122442	12x24x4	11 3/8" x 23 3/8" x 3 3/4"	$143.54	$150.32	6	28	22
MERV 11							
242441	24x24x4	23 3/8" x 23 3/8" x 3 3/4"	$179.10	$185.91	3	27	21
202541	20x25x4	19 3/8" x 24 3/8" x 3 3/4"	$202.60	$209.42	3	24	18
202441	20x24x4	19 3/8" x 23 3/8" x 3 3/4"	$198.58	$205.41	3	23	17
202041	20x20x4	19 3/8" x 19 3/8" x 3 3/4"	$152.84	$159.67	3	22	15
182441	18x24x4	17 3/8" x 23 3/8" x 3 3/4"	$202.27	$209.07	3	23	16
162541	16x25x4	15 3/8" x 24 3/8" x 3 3/4"	$182.53	$189.38	3	22	15
162041	16x20x4	15 3/8" x 19 3/8" x 3 3/4"	$152.84	$159.68	3	18	12
122441	12x24x4	11 3/8" x 23 3/8" x 3 3/4"	$141.50	$148.30	6	28	21

Foam Gasket is optional: Add $12.00 to List for (8) sides.
Add $6.50 to List for (4) sides.
Add $5.50 to List for (2) sides.
Add $4.25 to List for (1) vertical side.

Face Guard is standard on Air Leaving side, add $8.50 list for both sides; media pack depth will decrease approx. 1/8".
Note part number configuration -

Puracell II M & MH Prefix ID	Frame Style	Base Part Number	*Gasket Location (Number = Sides)	
PUGS	B = Box	Select the Base Part Number for Desired Size and Efficiency	O = No Gasket (0)	1 = Back Side (Standard)
			Box Style	
	H = Single Header		A = Air Exit (4)	3 = Both Sides
			B = Air Entry (4)	
			C = Air Exit/Entry (8)	
			D = Side Load (2)	
			Single Header	
			E = Air Entry/Exit (8)	
			F = Air Entry (4)	
			H = Air Exit (4)	
			J = Side Load (2)	
			S = Side Load (1)	

PURACELL II P-S & PH-S

Mini-Pleat Synthetic Media Series

- 100% Synthetic Media
- Compact Design for Maximum Air Flow
- Lightweight High-Impact Polystyrene Plastic Frame Construction
- Box and Header Style Frames
- MERV 11, 13 and 15
- Media Will Not Support Microbial Growth

FEATURES >

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

The Glasfloss Puracell II P-S & PH-S synthetic 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-S & PH-S pack is a pleated 100% synthetic 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-S & PH-S synthetic filters is 1.5" w.g.

< **SPECIFICATIONS**

POLYSTYRENE PLASTIC FRAME

ADHESIVE BEAD

100% SYNTHETIC MEDIA

ADHESIVE BEADS

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PURACELL II P-S & PH-S SYNTHETIC MEDIA 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. P-S	INITIAL RESIST. IN. W.G. PH-S	FINAL RESIST. IN. W.G.	MEDIA SQUARE FEET P-S	MEDIA SQUARE FEET PH-S	SIZE W x H x D NOMINAL MM
MERV 15									
242449	24 x 24 x 4	23-3/8" x 23-3/8" x 3-3/4"	500	.46	.54	1.50	75.56	64.05	610 x 610 x 102
202549	20 x 25 x 4	19-3/8" x 24-3/8" x 3-3/4"	500	.46	.54	1.50	65.17	54.51	508 x 635 x 102
202449	20 x 24 x 4	19-3/8" x 23-3/8" x 3-3/4"	500	.46	.54	1.50	62.97	52.41	508 x 610 x 102
202049	20 x 20 x 4	19-3/8" x 19-3/8" x 3-3/4"	500	.46	.54	1.50	52.14	42.66	508 x 508 x 102
182449	18 x 24 x 4	17-3/8" x 23-3/8" x 3-3/4"	500	.46	.54	1.50	55.62	46.58	457 x 610 x 102
162549	16 x 25 x 4	15-3/8" x 24-3/8" x 3-3/4"	500	.46	.54	1.50	51.63	42.05	406 x 635 x 102
162049	16 x 20 x 4	15-3/8" x 19-3/8" x 3-3/4"	500	.46	.54	1.50	41.30	32.91	406 x 508 x 102
122449	12 x 24 x 4	11-3/8" x 23-3/8" x 3-3/4"	500	.46	.54	1.50	36.73	28.14	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	44	.52	1.50	75.56	64.05	610 x 610 x 102
202542	20 x 25 x 4	19-3/8" x 24-3/8" x 3-3/4"	500	.44	.52	1.50	65.17	54.51	508 x 635 x 102
202442	20 x 24 x 4	19-3/8" x 23-3/8" x 3-3/4"	500	.44	.52	1.50	62.97	52.41	508 x 610 x 102
202042	20 x 20 x 4	19-3/8" x 19-3/8" x 3-3/4"	500	.44	.52	1.50	52.14	42.66	508 x 508 x 102
182442	18 x 24 x 4	17-3/8" x 23-3/8" x 3-3/4"	500	.44	.52	1.50	55.62	46.58	457 x 610 x 102
162542	16 x 25 x 4	15-3/8" x 24-3/8" x 3-3/4"	500	.44	.52	1.50	51.63	42.05	406 x 635 x 102
162042	16 x 20 x 4	15-3/8" x 19-3/8" x 3-3/4"	500	.44	.52	1.50	41.30	32.91	406 x 508 x 102
122442	12 x 24 x 4	11-3/8" x 23-3/8" x 3-3/4"	500	.44	.52	1.50	36.73	28.14	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	.42	.50	1.50	75.56	64.05	610 x 610 x 102
202541	20 x 25 x 4	19-3/8" x 24-3/8" x 3-3/4"	500	.42	.50	1.50	65.17	54.51	508 x 635 x 102
202441	20 x 24 x 4	19-3/8" x 23-3/8" x 3-3/4"	500	.42	.50	1.50	62.97	52.41	508 x 610 x 102
202041	20 x 20 x 4	19-3/8" x 19-3/8" x 3-3/4"	500	.42	.50	1.50	52.14	42.66	508 x 508 x 102
182441	18 x 24 x 4	17-3/8" x 23-3/8" x 3-3/4"	500	.42	.50	1.50	55.62	46.58	457 x 610 x 102
162541	16 x 25 x 4	15-3/8" x 24-3/8" x 3-3/4"	500	.42	.50	1.50	51.63	42.05	406 x 635 x 102
162041	16 x 20 x 4	15-3/8" x 19-3/8" x 3-3/4"	500	.42	.50	1.50	41.30	32.91	406 x 508 x 102
122441	12 x 24 x 4	11-3/8" x 23-3/8" x 3-3/4"	500	.42	.50	1.50	36.73	28.14	305 x 610 x 102

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

STANDARD PRESSURE DROP
Test Filter Size 24" x 24" x 4" Nominal Box

RESISTANCE IN. W.G. vs AIR FLOW RATE, (FPM) — MERV 11, MERV 13, MERV 15

MINIMUM PARTICLE SIZE EFFICIENCY
Test Filter Size 24" x 24" x 4" Nominal

REMOVAL PERCENTAGE vs PARTICLE SIZE, MICRONS — MERV 11, MERV 13, MERV 15

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PURACELL II P-S & PH-S
4" PLASTIC FRAME SYNTHETIC MEDIA
HIGH EFFICIENCY AIR FILTER

BASE MODEL NUMBER	NOMINAL SIZE W X H X D	ACTUAL SIZE W X H X D	BOX (B) STYLE UNIT PRICE	HEADER (H) STYLE UNIT PRICE	CASE QTY.	APPROX (B) CTN WEIGHT	APPROX (H) CTN WEIGHT
MERV 15							
242449	24x24x4	23 3/8" x 23 3/8" x 3 3/4"	$163.00	$169.11	3	26	27
202549	20x25x4	19 3/8" x 24 3/8" x 3 3/4"	$184.40	$190.46	3	24	25
202449	20x24x4	19 3/8" x 23 3/8" x 3 3/4"	$180.78	$186.84	3	23	24
202049	20x20x4	19 3/8" x 19 3/8" x 3 3/4"	$139.10	$145.14	3	19	21
182449	18x24x4	17 3/8" x 23 3/8" x 3 3/4"	$184.08	$190.14	3	21	22
162549	16x25x4	15 3/8" x 24 3/8" x 3 3/4"	$166.11	$172.18	3	19	21
162049	16x20x4	15 3/8" x 19 3/8" x 3 3/4"	$139.10	$145.14	3	17	18
122449	12x24x4	11 3/8" x 23 3/8" x 3 3/4"	$128.78	$134.83	6	26	27
MERV 13							
242442	24x24x4	23 3/8" x 23 3/8" x 3 3/4"	$149.61	$155.22	3	26	27
202542	20x25x4	19 3/8" x 24 3/8" x 3 3/4"	$169.23	$174.87	3	24	25
202442	20x24x4	19 3/8" x 23 3/8" x 3 3/4"	$165.88	$171.48	3	23	24
202042	20x20x4	19 3/8" x 19 3/8" x 3 3/4"	$127.66	$133.29	3	19	21
182442	18x24x4	17 3/8" x 23 3/8" x 3 3/4"	$168.93	$174.53	3	21	22
162542	16x25x4	15 3/8" x 24 3/8" x 3 3/4"	$152.47	$158.12	3	19	21
162042	16x20x4	15 3/8" x 19 3/8" x 3 3/4"	$127.66	$133.29	3	17	18
122442	12x24x4	11 3/8" x 23 3/8" x 3 3/4"	$118.20	$123.81	6	26	27
MERV 11							
242441	24x24x4	23 3/8" x 23 3/8" x 3 3/4"	$147.50	$153.10	3	26	27
202541	20x25x4	19 3/8" x 24 3/8" x 3 3/4"	$166.87	$172.54	3	24	25
202441	20x24x4	19 3/8" x 23 3/8" x 3 3/4"	$163.55	$169.18	3	23	24
202041	20x20x4	19 3/8" x 19 3/8" x 3 3/4"	$125.90	$131.54	3	19	21
182441	18x24x4	17 3/8" x 23 3/8" x 3 3/4"	$166.61	$172.20	3	21	22
162541	16x25x4	15 3/8" x 24 3/8" x 3 3/4"	$150.35	$155.99	3	19	21
162041	16x20x4	15 3/8" x 19 3/8" x 3 3/4"	$125.90	$131.55	3	17	18
122441	12x24x4	11 3/8" x 23 3/8" x 3 3/4"	$116.56	$122.19	6	26	27

Foam Gasket is optional: Add $12.00 to List for (8) sides.
Add $6.50 to List for (4) sides.
Add $5.50 to List for (2) sides.

Puracell II P & PH Prefix ID	Frame Style	Base Part Number	*Gasket Location (Number = Sides)
PUPFS	B = Box H = Single Header	Select the Base Part Number for Desired Size and Efficiency	O = No Gasket (0) **Box Style** A = Air Exit (4) B = Air Entry (4) C = Air Exit/Entry (8) D = Side Load (2) **Single Header** E = Air Exit/Entry (8) F = Air Entry (4) H = Air Exit (4)

[PURACELL II-S 2" Depth
PURACELL II P-S 2" Depth]

Mini-Pleat Synthetic Media Series

- 100% Synthetic Media
- High Impact Plastic Frame or Beverage Board Frame
- 2" Depth Design
- MERV 11, 13 & 15 Performance Ranges
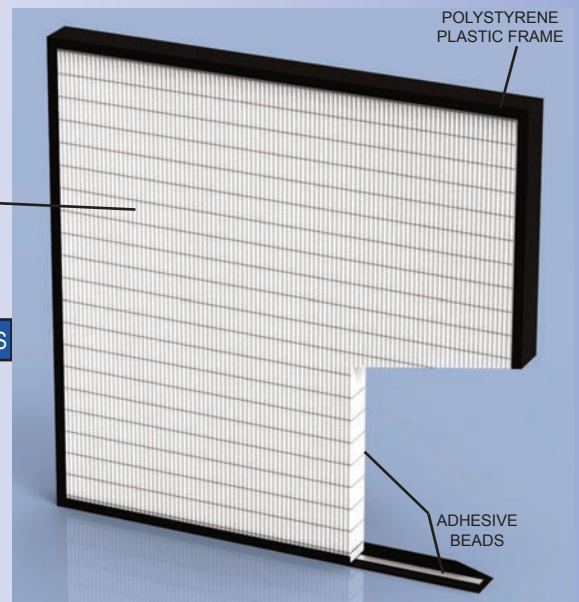- Media Will Not Support Microbial Growth

FEATURES >

The Glasfloss Puracell II-S and Puracell II P-S 2" depth plastic frame and beverage board frame mini-pleat series are designed for use in a variety of applications where high performance is required. The Puracell II-S 2" depth mini-pleat series is offered in 100% synthetic fibers and combines superior reliability to offer maximum value for commercial and industrial applications. The Puracell II-S 2" depth mini-pleat series offers advantages over 4" and 6" depths filters including lower freight costs, reduced storage area and less impact in landfills. The Puracell II-S 2" depth mini pleat series comes in a variety of standard sizes and performance ranges.

The Glasfloss Puracell II-S 2" depth filter is a mini-pleat cartridge produced in heavy-duty beverage board frame or high impact polystyrene plastic frame. The Puracell II-S 2" pack is a pleated 100% synthetic 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 bonded to the interior of the plastic or beverage board framework. The filter shall be rated to withstand temperatures up to 180 degrees Fahrenheit. The recommended final resistance for Puracell II-S filters is 1.5" w.g.

< SPECIFICATIONS

POLYSTYRENE PLASTIC FRAME

SYNTHETIC MEDIA

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.

www.glasfloss.com • (214) 741-7056   PRODUCT BULLETIN 11PURII-S 2" • SECTION 11 • 7-1-21

PURACELL II-S SYNTHETIC MEDIA 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
MERV 15							
2424295	24 x 24 x 2	23-3/8" x 23-3/8" x 1-3/4"	500	.55	1.50	45.41	610 x 610 x 51
2025295	20 x 25 x 2	19-3/8" x 24-3/8" x 1-3/4"	500	.55	1.50	39.30	508 x 635 x 51
2024295	20 x 24 x 2	19-3/8" x 23-3/8" x 1-3/4"	500	.55	1.50	45.41	508 x 610 x 51
2020295	20 x 20 x 2	19-3/8" x 19-3/8" x 1-3/4"	500	.55	1.50	31.60	508 x 508 x 51
1824295	18 x 24 x 2	17-3/8" x 23-3/8" x 1-3/4"	500	.55	1.50	33.82	457 x 610 x 51
1625295	16 x 25 x 2	15-3/8" x 24-3/8" x 1-3/4"	500	.55	1.50	31.24	406 x 635 x 51
1620295	16 x 20 x 2	15-3/8" x 19-3/8" x 1-3/4"	500	.55	1.50	25.12	406 x 508 x 51
1224295	12 x 24 x 2	11-3/8" x 23-3/8" x 1-3/4"	500	.55	1.50	22.22	305 x 610 x 51
MERV 13							
242428	24 x 24 x 2	23-3/8" x 23-3/8" x 1-3/4"	500	.52	1.50	45.41	610 x 610 x 51
202528	20 x 25 x 2	19-3/8" x 24-3/8" x 1-3/4"	500	.52	1.50	39.30	508 x 635 x 51
202428	20 x 24 x 2	19-3/8" x 23-3/8" x 1-3/4"	500	.52	1.50	45.41	508 x 610 x 51
202028	20 x 20 x 2	19-3/8" x 19-3/8" x 1-3/4"	500	.52	1.50	31.60	508 x 508 x 51
182428	18 x 24 x 2	17-3/8" x 23-3/8" x 1-3/4"	500	.52	1.50	33.82	457 x 610 x 51
162528	16 x 25 x 2	15-3/8" x 24-3/8" x 1-3/4"	500	.52	1.50	31.24	406 x 635 x 51
162028	16 x 20 x 2	15-3/8" x 19-3/8" x 1-3/4"	500	.52	1.50	25.12	406 x 508 x 51
122428	12 x 24 x 2	11-3/8" x 23-3/8" x 1-3/4"	500	.52	1.50	22.22	305 x 610 x 51
MERV 11							
242426	24 x 24 x 2	23-3/8" x 23-3/8" x 1-3/4"	500	.49	1.50	45.41	610 x 610 x 51
202526	20 x 25 x 2	19-3/8" x 24-3/8" x 1-3/4"	500	.49	1.50	39.30	508 x 635 x 51
202426	20 x 24 x 2	19-3/8" x 23-3/8" x 1-3/4"	500	.49	1.50	45.41	508 x 610 x 51
202026	20 x 20 x 2	19-3/8" x 19-3/8" x 1-3/4"	500	.49	1.50	31.60	508 x 508 x 51
182426	18 x 24 x 2	17-3/8" x 23-3/8" x 1-3/4"	500	.49	1.50	33.82	457 x 610 x 51
162526	16 x 25 x 2	15-3/8" x 24-3/8" x 1-3/4"	500	.49	1.50	31.24	406 x 635 x 51
162026	16 x 20 x 2	15-3/8" x 19-3/8" x 1-3/4"	500	.49	1.50	25.12	406 x 508 x 51
122426	12 x 24 x 2	11-3/8" x 23-3/8" x 1-3/4"	500	.49	1.50	22.22	305 x 610 x 51

Tolerances shall be +/- 1/8" for height, width and +/- 1/16" for depth. Performance values based on ASHRAE and in-house testing methods.

STANDARD PRESSURE DROP
Test Filter Size 24" x 24" x 2" Nominal

RESISTANCE IN. W.G. vs AIR FLOW RATE, (FPM)
MERV 11 — MERV 13 — MERV 15

MINIMUM PARTICLE SIZE EFFICIENCY
Test Filter Size 24" x 24" x 2" Nominal

REMOVAL PERCENTAGE vs PARTICLE SIZE, MICRONS
MERV 11 — MERV 13 — MERV 15

MADE IN U.S.A.

NAFA National Air Filtration Association

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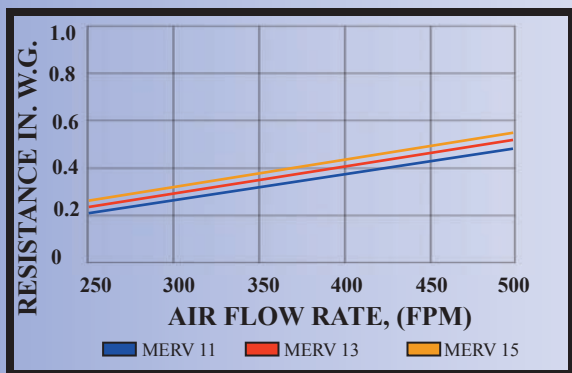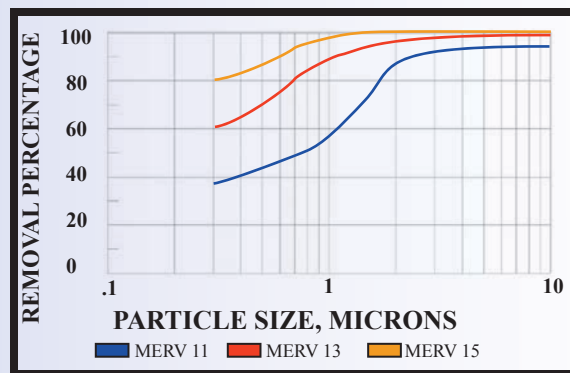
PURACELL II-S

2" HIGH EFFICIENCY SYNTHETIC MEDIA
BEVERAGE BOARD FRAME

PART NUMBER	NOMINAL SIZE W X H X D	ACTUAL SIZE W X H X D	UNIT PRICE	CASE QTY.	APPROX. CASE WEIGHT
MERV 15					
PURIIS2424295	24x24x2	23 3/8" x 23 3/8" x 1 3/4"	$90.53	6	24
PURIIS2025295	20x25x2	19 1/2" x 24 1/2" x 1 3/4"	$102.70	6	21
PURIIS2024295	20x24x2	19 3/8" x 23 3/8" x 1 3/4"	$100.85	6	20
PURIIS2020295	20x20x2	19 1/2" x 19 1/2" x 1 3/4"	$84.41	6	17
PURIIS1824295	18x24x2	17 1/2" x 23 1/2" x 1 3/4"	$102.22	6	18
PURIIS1625295	16x25x2	15 1/2" x 24 1/2" x 1 3/4"	$95.09	6	17
PURIIS1620295	16x20x2	15 1/2" x 19 1/2" x 1 3/4"	$84.41	6	13
PURIIS1224295	12x24x2	11 3/8" x 23 3/8" x 1 3/4"	$66.19	12	24
MERV 13					
PURIIS242428	24x24x2	23 3/8" x 23 3/8" x 1 3/4"	$80.26	6	24
PURIIS202528	20x25x2	19 1/2" x 24 1/2" x 1 3/4"	$91.20	6	21
PURIIS202428	20x24x2	19 3/8" x 23 3/8" x 1 3/4"	$89.78	6	20
PURIIS202028	20x20x2	19 1/2" x 19 1/2" x 1 3/4"	$75.08	6	17
PURIIS182428	18x24x2	17 1/2" x 23 1/2" x 1 3/4"	$90.82	6	18
PURIIS162528	16x25x2	15 1/2" x 24 1/2" x 1 3/4"	$84.48	6	17
PURIIS162028	16x20x2	15 1/2" x 19 1/2" x 1 3/4"	$75.08	6	13
PURIIS122428	12x24x2	11 3/8" x 23 3/8" x 1 3/4"	$58.83	12	24
MERV 11					
PURIIS242426	24x24x2	23 3/8" x 23 3/8" x 1 3/4"	$77.47	6	24
PURIIS202526	20x25x2	19 1/2" x 24 1/2" x 1 3/4"	$87.69	6	21
PURIIS202426	20x24x2	19 3/8" x 23 3/8" x 1 3/4"	$85.92	6	20
PURIIS202026	20x20x2	19 1/2" x 19 1/2" x 1 3/4"	$72.03	6	17
PURIIS182426	18x24x2	17 1/2" x 23 1/2" x 1 3/4"	$87.32	6	18
PURIIS162526	16x25x2	15 1/2" x 24 1/2" x 1 3/4"	$81.36	6	17
PURIIS162026	16x20x2	15 1/2" x 19 1/2" x 1 3/4"	$72.03	6	13
PURIIS122426	12x24x2	11 3/8" x 23 3/8" x 1 3/4"	$56.34	12	24

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PURACELL II P-S
2" PLASTIC FRAME SYNTHETIC MEDIA
HIGH EFFICIENCY AIR FILTER

BASE MODEL NUMBER	NOMINAL SIZE W X H X D	ACTUAL SIZE W X H X D	LIST PRICE	CASE QTY.	APPROX (B) CTN WEIGHT
MERV 15					
242429	24x24x2	23 3/8" x 23 3/8" x 1 3/4"	$125.51	6	28
202529	20x25x2	19 1/2" x 24 1/2" x 1 3/4"	$141.98	6	24
202429	20x24x2	19 3/8" x 23 3/8" x 1 3/4"	$139.20	6	23
202029	20x20x2	19 1/2" x 19 1/2" x 1 3/4"	$107.11	6	19
182429	18x24x2	17 1/2" x 23 1/2" x 1 3/4"	$141.73	6	21
162529	16x25x2	15 1/2" x 24 1/2" x 1 3/4"	$127.90	6	19
162029	16x20x2	15 1/2" x 19 1/2" x 1 3/4"	$107.11	6	16
122429	12x24x2	11 3/8" x 23 3/8" x 1 3/4"	$99.16	12	28
MERV 13					
242422	24x24x2	23 3/8" x 23 3/8" x 1 3/4"	$115.20	6	28
202522	20x25x2	19 1/2" x 24 1/2" x 1 3/4"	$130.30	6	24
202422	20x24x2	19 3/8" x 23 3/8" x 1 3/4"	$127.72	6	23
202022	20x20x2	19 1/2" x 19 1/2" x 1 3/4"	$98.29	6	19
182422	18x24x2	17 1/2" x 23 1/2" x 1 3/4"	$130.08	6	21
162522	16x25x2	15 1/2" x 24 1/2" x 1 3/4"	$117.41	6	19
162022	16x20x2	15 1/2" x 19 1/2" x 1 3/4"	$98.29	6	16
122422	12x24x2	11 3/8" x 23 3/8" x 1 3/4"	$91.01	12	28
MERV 11					
242421	24x24x2	23 3/8" x 23 3/8" x 1 3/4"	$113.58	6	28
202521	20x25x2	19 1/2" x 24 1/2" x 1 3/4"	$128.49	6	24
202421	20x24x2	19 3/8" x 23 3/8" x 1 3/4"	$125.92	6	23
202021	20x20x2	19 1/2" x 19 1/2" x 1 3/4"	$96.95	6	19
182421	18x24x2	17 1/2" x 23 1/2" x 1 3/4"	$128.28	6	21
162521	16x25x2	15 1/2" x 24 1/2" x 1 3/4"	$115.77	6	19
162021	16x20x2	15 1/2" x 19 1/2" x 1 3/4"	$96.95	6	16
122421	12x24x2	11 3/8" x 23 3/8" x 1 3/4"	$89.76	12	28

Foam Gasket is optional: Add $12.00 to List for (8) sides.
Add $6.50 to List for (4) sides.
Add $5.50 to List for (2) sides.

Puracell II P Prefix ID	Frame Style	Base Part Number	*Gasket Location (Number = Sides)
PUPFS	B = Box	Select the Base Part Number for Desired Size and Efficiency	O = No Gasket (0) **Box Style** A = Air Exit (4) B = Air Entry (4) C = Air Exit/Entry (8) D = Side Load (2)

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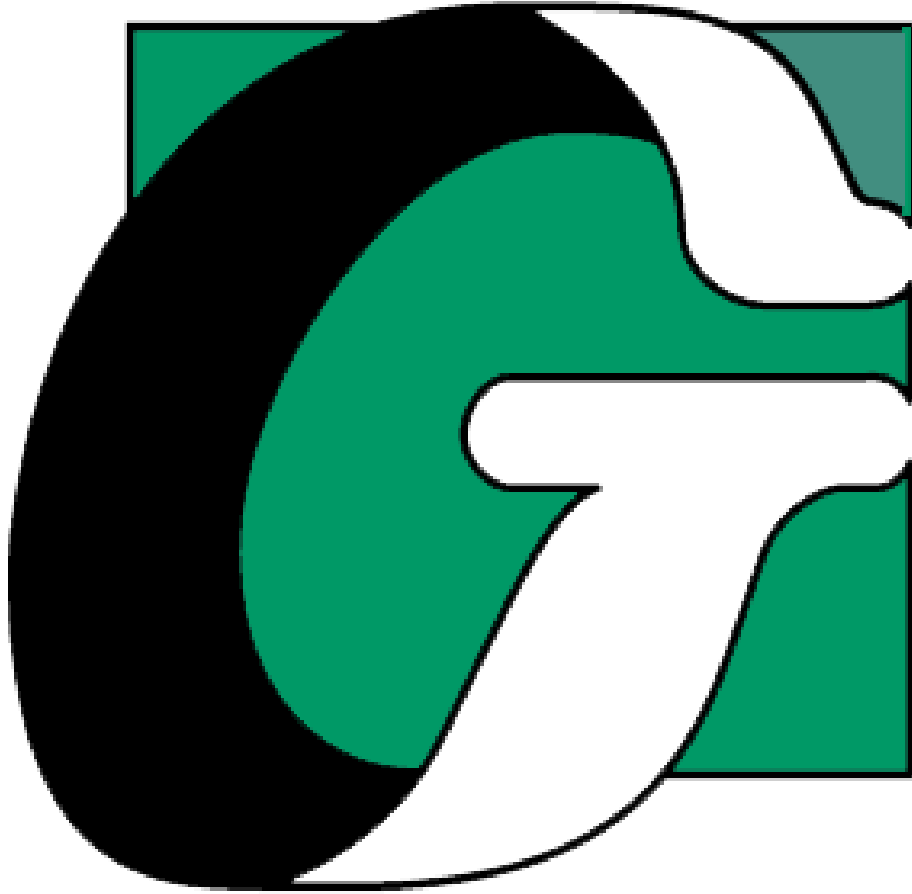
Glasfloss®
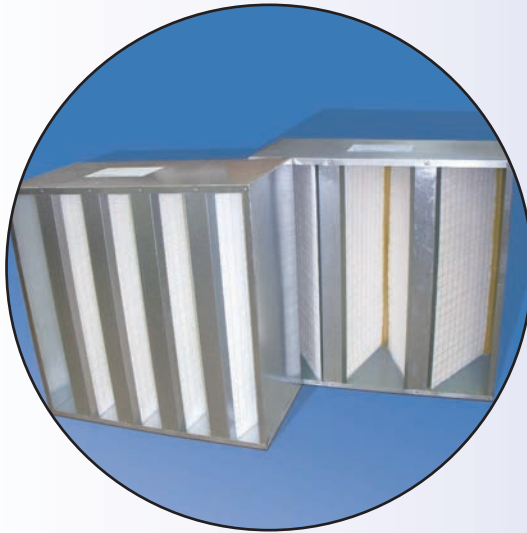
PURACELL V & VX

Mini-Pleat Series

- V Series Features 8-Pack Construction
- VX Series Features 4-Pack Construction
- Compact Design For Maximum Air Flow
- High Efficiency Microfiber
- Low Resistance = Energy Savings
- Moisture Resistant Construction

FEATURES >

The unique design of the Glasfloss Puracell V & VX Mini-Pleat filter offers high efficiency particulate removal, extended service life and extremely low resistance to air flow. The combination of these key features offers higher performance and lower operating costs than traditional rigid cell and box style filters. The Puracell V & VX Series is available in box or header style, in MERV 11, MERV 13, MERV 14 and MERV 15 efficiencies. The Puracell V Series is also available in MERV 16 and 99.97% HEPA Grade efficiencies.

The Puracell V & VX shall utilize multiple mini-pleat media packs which allow low resistance to air flow and long service life. The media shall be water resistant, inorganic, wet laid glass microfiber. The Puracell V & VX media packs are constructed by pleating a continuous sheet of media. The pleats are separated by a uniform glue bead that produces low pressure drop while maximizing the filtration area. The media packs are resistant to moisture and do not support the growth of bacteria and mold. The media packs are completely sealed and bonded within the heavy-duty 26 gauge galvanized steel frame. An optional peripheral header design is available. The air entering side of the Puracell V & VX filter frame shall incorporate four holes to insert spring clips from a holding frame device. The filters shall be rated to withstand temperatures up to 180 degrees Fahrenheit. Recommended final resistance for Puracell V is 2.0", and for VX filters is 1.5" w.g.

< **SPECIFICATIONS**

SPRING CLIP HOLES

GALVANIZED STEEL FRAME

Air Flow Direction

BONDED AND SEALED JOINTS

MINI-PLEAT PACKS

Efficiency	60-65%	80-85%	90-95%	98%	-	99.97%
MERV	11	13	14	15	16	-

Puracell V/VX

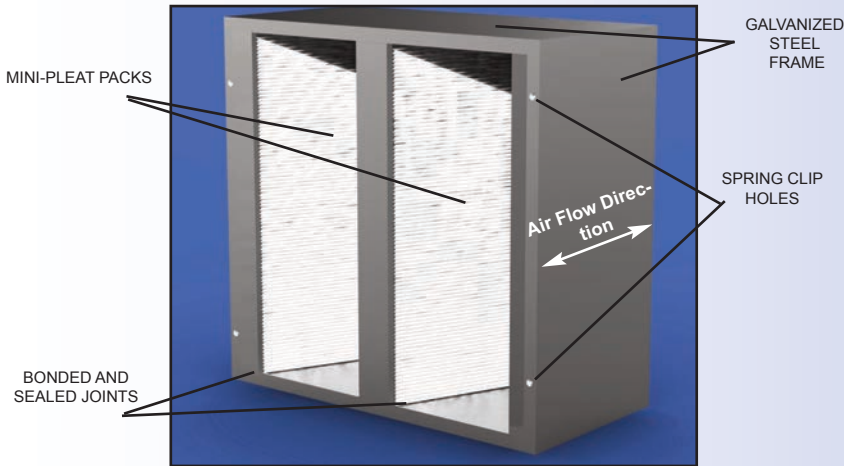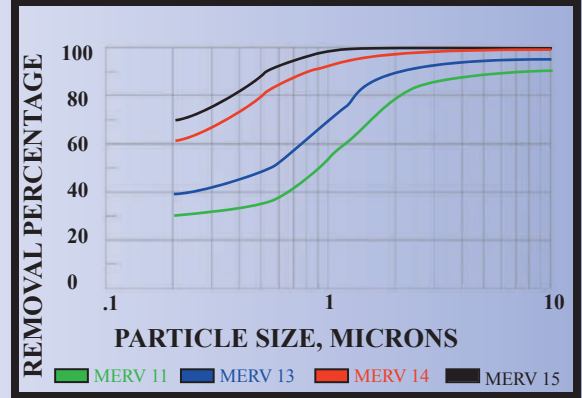| BASE MODEL NUMBER	SIZE W x H x D NOMINAL	SIZE W x H x D EXACT	RATED VELOCITY FPM	INITIAL RESIST. IN. W.G		MEDIA SQUARE FEET		SIZE W x H x D NOM. MM
				V	VX	V	VX	
MERV 11 - 60-65% EFFICIENCY								
2424B1	24 x 24 x 12	23-3/8" x 23-3/8" x 11-1/2"	500	.23	.36	211.23	113.00	610 x 610 x 305
2024B1	20 x 24 x 12	19-3/8" x 23-3/8" x 11-1/2"	500	.23	.36	158.42	84.75	508 x 610 x 305
2020B1	20 x 20 x 12	19-3/8" x 19-3/8" x 11-1/2"	500	.23	.36	131.88	70.55	508 x 508 x 305
1824B1	18 x 24 x 12	17-3/8" x 23-3/8" x 11-1/2"	500	.23	.36	158.42	84.75	457 x 610 x 305
1224B1	12 x 24 x 12	11-3/8" x 23-3/8" x 11-1/2"	500	.23	.36	105.61	56.50	305 x 610 x 305
MERV 13 - 80-85% EFFICIENCY								
2424B2	24 x 24 x 12	23-3/8" x 23-3/8" x 11-1/2"	500	.26	.40	211.23	113.00	610 x 610 x 305
2024B2	20 x 24 x 12	19-3/8" x 23-3/8" x 11-1/2"	500	.26	.40	158.42	84.75	508 x 610 x 305
2020B2	20 x 20 x 12	19-3/8" x 19-3/8" x 11-1/2"	500	.26	.40	131.88	70.55	508 x 508 x 305
1824B2	18 x 24 x 12	17-3/8" x 23-3/8" x 11-1/2"	500	.26	.40	158.42	84.75	457 x 610 x 305
1224B2	12 x 24 x 12	11-3/8" x 23-3/8" x 11-1/2"	500	.26	.40	105.61	56.50	305 x 610 x 305
MERV 14 - 90-95% EFFICIENCY								
2424B3	24 x 24 x 12	23-3/8" x 23-3/8" x 11-1/2"	500	.30	.45	211.23	113.00	610 x 610 x 305
2024B3	20 x 24 x 12	19-3/8" x 23-3/8" x 11-1/2"	500	.30	.45	158.42	84.75	508 x 610 x 305
2020B3	20 x 20 x 12	19-3/8" x 19-3/8" x 11-1/2"	500	.30	.45	131.88	70.55	508 x 508 x 305
1824B3	18 x 24 x 12	17-3/8" x 23-3/8" x 11-1/2"	500	.30	.45	158.42	84.75	457 x 610 x 305
1224B3	12 x 24 x 12	11-3/8" x 23-3/8" x 11-1/2"	500	.30	.45	105.61	56.50	305 x 610 x 305
MERV 15 - 98% EFFICIENCY								
2424B9	24 x 24 x 12	23-3/8" x 23-3/8" x 11-1/2"	500	.32	.47	211.23	113.00	610 x 610 x 305
2024B9	20 x 24 x 12	19-3/8" x 23-3/8" x 11-1/2"	500	.32	.47	158.42	84.75	508 x 610 x 305
2020B9	20 x 20 x 12	19-3/8" x 19-3/8" x 11-1/2"	500	.32	.47	131.88	70.55	508 x 508 x 305
1824B9	18 x 24 x 12	17-3/8" x 23-3/8" x 11-1/2"	500	.32	.47	158.42	84.75	457 x 610 x 305
1224B9	12 x 24 x 12	11-3/8" x 23-3/8" x 11-1/2"	500	.32	.47	105.61	56.50	305 x 610 x 305
MERV 16 - 95% @ .3 microns								
* 23F23FB4	24 x 24 x 12	23-3/8" x 23-3/8" x 11-1/2"	500	.45	-	211.23	-	610 x 610 x 305
* 19F23FB4	20 x 24 x 12	19-3/8" x 23-3/8" x 11-1/2"	500	.45	-	158.42	-	508 x 610 x 305
* 19F19FB4	20 x 20 x 12	19-3/8" x 19-3/8" x 11-1/2"	500	.45	-	131.88	-	508 x 508 x 305
* 17F23FB4	18 x 24 x 12	17-3/8" x 23-3/8" x 11-1/2"	500	.45	-	158.42	-	457 x 610 x 305
* 11F23FB4	12 x 24 x 12	11-3/8" x 23-3/8" x 11-1/2"	500	.45	-	105.61	-	305 x 610 x 305
99.97% @ .3 microns								
* 23F23FB5	24 x 24 x 12	23-3/8" x 23-3/8" x 11-1/2"	275	.95	-	211.23	-	610 x 610 x 305
* 19F23FB5	20 x 24 x 12	19-3/8" x 23-3/8" x 11-1/2"	275	.95	-	158.42	-	508 x 610 x 305
* 19F19FB5	20 x 20 x 12	19-3/8" x 19-3/8" x 11-1/2"	275	.95	-	131.88	-	508 x 508 x 305
* 17F23FB5	18 x 24 x 12	17-3/8" x 23-3/8" x 11-1/2"	275	.95	-	158.42	-	457 x 610 x 305
* 11F23FB5	12 x 24 x 12	11-3/8" x 23-3/8" x 11-1/2"	275	.95	-	105.61	-	305 x 610 x 305

Tolerances shall be +/- 1/16" for height, width and depth. The frame depth shall not exceed 11-1/2". Performance values based on ASHRAE and in-house testing methods.
Recommended final resistance: V=2.0", VX=1.5"

* These models are available in both full and exact sizes.

PURACELL V
STANDARD PRESSURE DROP
Test Filter Size 24" x 24" x 12" Nominal

RESISTANCE IN. W.G.

AIR FLOW RATE, (FPM)

■ MERV 11 ■ MERV 13 ■ MERV 14 ■ MERV 15
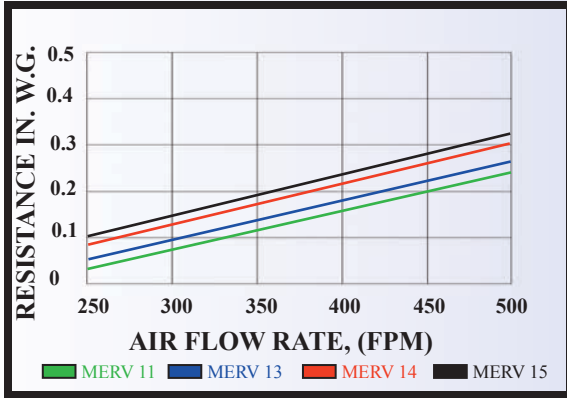
PURACELL V/VX
MINIMUM PARTICLE SIZE EFFICIENCY
Test Filter Size 24" x 24" x 12" Nominal

REMOVAL PERCENTAGE

PARTICLE SIZE, MICRONS

■ MERV 11 ■ MERV 13 ■ MERV 14 ■ MERV 15

MINI-PLEAT PACKS

BONDED AND
SEALED JOINTS

GALVANIZED
STEEL
FRAME

SPRING CLIP
HOLES

Air Flow Direction

Puracell VX Filter

**Pre-filter easily attached with clips
for front-load applications**

PURACELL VX
STANDARD PRESSURE DROP
Test Filter Size 24" x 24" x 12" Nominal
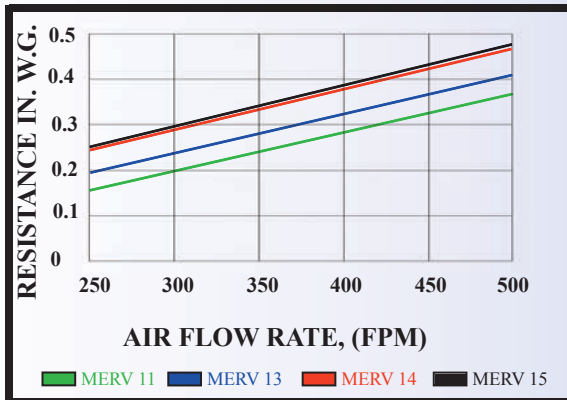
RESISTANCE IN. W.G.

AIR FLOW RATE, (FPM)

■ MERV 11 ■ MERV 13 ■ MERV 14 ■ MERV 15

PURACELL V
STANDARD PRESSURE DROP
Test Filter Size 24" x 24" x 12" Nominal

RESISTANCE IN. W.G.

AIR FLOW RATE, (FPM)

■ MERV 16 ■ 99.97%

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Energy Savings & Environmental Impact Comparison

	Glasfloss Puracell V	Traditional Rigid Cell
MERV Rating	14	14
Initial Resistance (in. w.g)	0.30	0.68
*Recommended Final Resistance (in. w.g.)	2.0	1.5
**Fan/Motor/Drive Efficiency (%)	58.00%	58.00%
***Energy Consumption (kWh)	2613	3876
Annual CO2 Emissions (lbs)	3533	5240
Annual Energy Cost ($.08/kWh)	**$209.00**	**$310.00**

*   V pressure drop estimated at 1.17 in. w.g. after 12 months
** Fan/Motor/Drive Efficiency estimated & averaged at 58%
*** Kilowatt cost estimated at $.08/kWh

Glasfloss Puracell V = $101.00 energy savings per filter or annually 32.6% savings per this comparison.

PART NUMBER CONFIGURATION FOR V & VX

PREFIX	FRAME STYLE	BASE PART NUMBER	GASKET LOCATION **
☐	☐	☐	☐

PUV = V

PUVX = VX

B = Box

H = Header

SELECT THE BASE PART NUM-
BER FOR DE-
SIRED SIZE AND
EFFICIENCY

O= NO GASKET

BOX STYLE
A = AIR EXIT (4)
B = AIR ENTRY (4)
C = AIR EXIT/ENTRY (8)
D = SIDE LOAD (2)

SINGLE HEADER
E = AIR EXIT/ENTRY (8)
F= AIR ENTRY (4)
H = AIR EXIT (4)
J = SIDE LOAD (2)
S = SIDE LOAD (1)

To ensure that Puracell V and VX filters are fabricated to meet job requirements, order by the exact Part Number.
Example: 24 x 24 x 12 MERV 14, Puracell VX, Box Style, no gasket. Part number = "PUVXB2424B3O".

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Glasfloss® Industries
Excellence in Air Filtration Since 1936

PURACELL V
Low Resistance High Efficiency Rigid Filter

Base Part Number	Nominal Size W x H x D	Exact Size W x H x D	PURACELL V List Price	Unit Weight lb.
MERV 11 (60-65%)				
2424B1	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$292.19	25
2024B1	20 x 24 x 12	19 3/8 x 23 3/8 x 11 1/2	$283.40	21
2020B1	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	$271.88	18
1824B1	18 x 24 x 12	17 3/8 x 23 3/8 x 11 1/2	$292.19	21
1224B1	12 x 24 x 12	11 3/8 x 23 3/8 x 11 1/2	$204.53	13
MERV 13 (80-85%)				
2424B2	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$307.41	25
2024B2	20 x 24 x 12	19 3/8 x 23 3/8 x 11 1/2	$298.22	21
2020B2	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	$292.03	18
1824B2	18 x 24 x 12	17 3/8 x 23 3/8 x 11 1/2	$307.41	21
1224B2	12 x 24 x 12	11 3/8 x 23 3/8 x 11 1/2	$215.22	13
MERV 14 (90-95%)				
2424B3	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$310.56	25
2024B3	20 x 24 x 12	19 3/8 x 23 3/8 x 11 1/2	$301.19	21
2020B3	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	$295.01	18
1824B3	18 x 24 x 12	17 3/8 x 23 3/8 x 11 1/2	$310.56	21
1224B3	12 x 24 x 12	11 3/8 x 23 3/8 x 11 1/2	$217.39	13
MERV 15				
2424B9	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$335.41	25
2024B9	20 x 24 x 12	19 3/8 x 23 3/8 x 11 1/2	$325.35	21
2020B9	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	$318.57	18
1824B9	18 x 24 x 12	17 3/8 x 23 3/8 x 11 1/2	$335.41	21
1224B9	12 x 24 x 12	11 3/8 x 23 3/8 x 11 1/2	$234.77	13
MERV 16				
EXACT SIZE				
2424B4	24 x 24 x 12	24 x 24 x 11 1/2	$413.02	25
2024B4	20 x 24 x 12	20 x 24 x 11 1/2	$400.65	21
2020B4	20 x 20 x 12	20 x 20 x 11 1/2	$392.33	18
1824B4	18 x 24 x 12	18 x 24 x 11 1/2	$413.02	21
1224B4	12 x 24 x 12	12 x 24 x 11 1/2	$289.11	13
UNDERSIZED				
23F23FB4	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$413.02	25
19F23FB4	20 x 24 x 12	19 3/8 x 23 3/8 x 11 1/2	$400.65	21
19F19FB4	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	$392.33	18
17F23FB4	18 x 24 x 12	17 3/8 x 23 3/8 x 11 1/2	$413.02	21
11F23FB4	12 x 24 x 12	11 3/8 x 23 3/8 x 11 1/2	$289.11	13
99.97%				
EXACT SIZE				
2424B5	24 x 24 x 12	24 x 24 x 11 1/2	$446.08	27
2024B5	20 x 24 x 12	20 x 24 x 11 1/2	$432.67	23
2020B5	20 x 20 x 12	20 x 20 x 11 1/2	$423.72	20
1824B5	18 x 24 x 12	18 x 24 x 11 1/2	$446.08	23
1224B5	12 x 24 x 12	12 x 24 x 11 1/2	$312.23	15
UNDERSIZED				
23F23FB5	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$446.08	27
19F23FB5	20 x 24 x 12	19 3/8 x 23 3/8 x 11 1/2	$432.67	23
19F19FB5	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	$423.72	20
17F23FB5	18 x 24 x 12	17 3/8 x 23 3/8 x 11 1/2	$446.08	23
11F23FB5	12 x 24 x 12	11 3/8 x 23 3/8 x 11 1/2	$312.23	15

Example: 24 x 24 x 12 MERV 14 Puracell Box Style, no gasket. Part number = "PUVB2424B3O"

Puracell V Prefix ID	Frame Style	Base Part Number	Gasket Location *(Number = sides)	
PUV	B = Box * H = Header	Select the Base Part Number for Desired Size and Efficiency	O = No Gasket **Box Style** A = Air Exit (4) B = Air Entry (4) C = Air Exit/Entry (8) D = Side Load (2) **Single Header** E = Air Exit/Entry (8) F = Air Entry (4) H = Air Exit (4) J = Side Load (2) S = One Vertical Side (1)	* **Foam Gasketing is optional on Puracell V Filters:** Add $12.00 to List Price for (8) sides Add $6.50 to List Price for (4) sides Add $5.50 to List Price for (2) sides Add $4.25 to List Price for (1) side * Neoprene Gasketing is standard on one side for MERV 16, 99.97% & 99.99% Puracell V Filters; additional Neoprene gasket add $8.50 to List Price per side

* **Header Style 99.99% Puracell V filters not available**
For 99.99% Puracell V, add +10% to the appropriate 99.97% List Price and replace the number 5 with a 6 in the base model number

PURACELL VX

(4 Panel All Metal Design)
Low Resistance High Efficiency Rigid Filter

Base Part Number	Nominal Size W x H x D	Exact Size W x H x D	PURACELL VX List Price	Unit Weight lb.
MERV 11 (60-65%)				
2424B1	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$169.30	19
2024B1	20 x 24 x 12	19 3/8 x 23 3/8 x 11 1/2	$154.66	18
2020B1	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	$148.34	16
1824B1	18 x 24 x 12	17 3/8 x 23 3/8 x 11 1/2	$169.30	18
1224B1	12 x 24 x 12	11 3/8 x 23 3/8 x 11 1/2	$125.95	12
MERV 13 (80-85%)				
2424B2	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$187.11	19
2024B2	20 x 24 x 12	19 3/8 x 23 3/8 x 11 1/2	$176.12	18
2020B2	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	$172.44	16
1824B2	18 x 24 x 12	17 3/8 x 23 3/8 x 11 1/2	$187.11	18
1224B2	12 x 24 x 12	11 3/8 x 23 3/8 x 11 1/2	$137.20	12
MERV 14 (90-95%)				
2424B3	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$189.03	19
2024B3	20 x 24 x 12	19 3/8 x 23 3/8 x 11 1/2	$177.88	18
2020B3	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	$174.21	16
1824B3	18 x 24 x 12	17 3/8 x 23 3/8 x 11 1/2	$189.03	18
1224B3	12 x 24 x 12	11 3/8 x 23 3/8 x 11 1/2	$138.58	12
MERV 15				
2424B9	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$204.13	19
2024B9	20 x 24 x 12	19 3/8 x 23 3/8 x 11 1/2	$192.16	18
2020B9	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	$188.17	16
1824B9	18 x 24 x 12	17 3/8 x 23 3/8 x 11 1/2	$204.13	18
1224B9	12 x 24 x 12	11 3/8 x 23 3/8 x 11 1/2	$149.64	12

To ensure that Puracell VX filters are fabricated to meet job requirements, order by the exact Part Number.
Example: 24 x 24 x 12 MERV 14, Puracell VX, Box Style, no gasket. Part number = "PUVXB2424B3O"

Puracell VX Prefix ID	Frame Style	Base Part Number	Gasket Location *(Number = sides)
PUVX	B = Box H = Header	Select the Base Part Number for Desired Size and Efficiency	O = No Gasket **Box Style** A = Air Exit (4) B = Air Entry (4) C = Air Exit/Entry (8) D = Side Load (2) **Single Header** E = Air Exit/Entry (8) F = Air Entry (4) H = Air Exit (4) J = Side Load (2) S = One Vertical Side (1)

* Foam Gasketing is optional on Puracell VX Filters:
Add $12.00 to List Price for (8) sides
Add $6.50 to List Price for (4) sides
Add $5.50 to List Price for (2) sides
Add $4.25 to List Price for (1) side
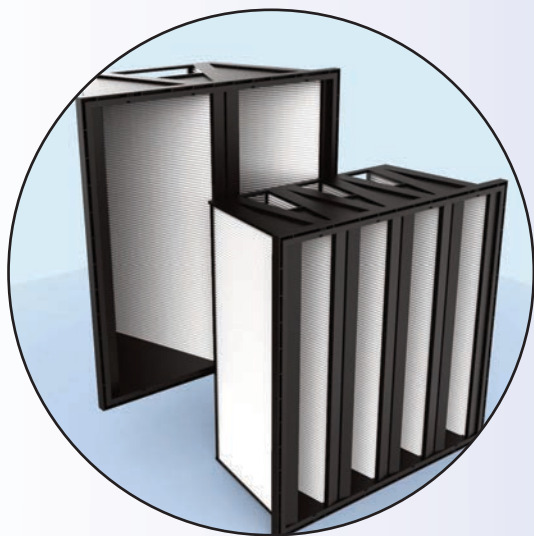
[PURACELL VP & VPX]
Mini-Pleat Series

- VP (4V) Series Features 8-Pack Construction
- VPX (2V) Series Features 4-Pack Construction
- High Efficiency Microfiber
- Low Resistance = Energy Savings
- Moisture Resistant Construction
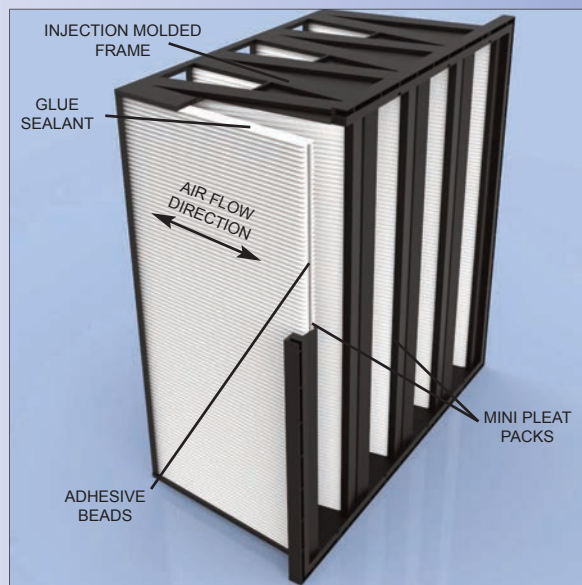- Lighter Weight = Reduced Shipping Cost

FEATURES >

The Glasfloss Puracell VP (4V) and VPX (2V) series extended surface mini-pleat filters offer high efficiency particulate removal, extended service life and extremely low resistance to air flow. The Puracell VP (4V) and VPX (2V) frame filters incorporate lightweight, high-impact polystyrene framework for strength and durability in demanding commercial and industrial applications. When compared to traditional rigid cell and traditional box style filters, the Puracell VP (4V) and VPX (2V) mini-pleat series offer superior performance, lower operating costs and significant energy savings. Puracell 20x20x12 is 3V, 6 panel construction and the frame is gray in color. The Puracell VP and VPX are available in MERV 11, 13, 14 and 15 performances. The Puracell VP is also available in MERV 16 and 99.97% HEPA grade performance.

The Puracell VP and VPX Series utilize multiple mini-pleat packs which allow low resistance to air flow and long service life. The media shall be water resistant, inorganic, wet laid glass microfiber which does not support the growth of bacteria or mold. The Puracell VP and VPX media packs are constructed by pleating a continuous sheet of media. The pleats are separated by a uniform glue bead that produces low pressure drop while maximizing the filtration area. The media packs are completely sealed and bonded within the heavy-duty framework. The filters shall be rated to withstand temperatures up to 180 degrees Fahrenheit.

< SPECIFICATIONS

INJECTION MOLDED FRAME

GLUE SEALANT

AIR FLOW DIRECTION

MINI PLEAT PACKS

ADHESIVE BEADS

Efficiency	60-65%	80-85%	90-95%	98%	-	99.97%
MERV	11	13	14	15	16	-

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PRODUCT BULLETIN 12PURVP • SECTION 12 • 2-15-21
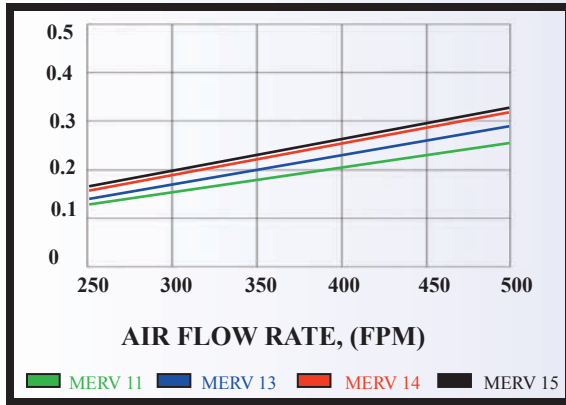
Puracell VP/VPX

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		MEDIA SQUARE FEET		SIZE W x H x D NOM. MM
				VP	VPX	VP	VPX	
MERV 11 - 60-65% EFFICIENCY								
2424B1	24 x 24 x 12	23-3/8" x 23-3/8" x 11-1/2"	500	.26	.33	205.70	97.76	610 x 610 x 305
2420B1	24 x 20 x 12	23-3/8" x 19-3/8" x 11-1/2"	500	.26	.33	168.10	79.68	610 x 508 x 305
2412B1	24 x 12 x 12	23-3/8" x 11-3/8" x 11-1/2"	500	.26	.33	91.79	43.51	610 x 305 x 305
2020B1*	20 x 20 x 12	19-3/8" x 19-3/8" x 11-1/2"	500	.26	-	121.92	-	508 x 508 x 305
MERV 13 - 80-85% EFFICIENCY								
2424B2	24 x 24 x 12	23-3/8" x 23-3/8" x 11-1/2"	500	.29	.41	205.70	97.76	610 x 610 x 305
2420B2	24 x 20 x 12	23-3/8" x 19-3/8" x 11-1/2"	500	.29	.41	168.10	79.68	610 x 508 x 305
2412B2	24 x 12 x 12	23-3/8" x 11-3/8" x 11-1/2"	500	.29	.41	91.79	43.51	610 x 305 x 305
2020B2*	20 x 20 x 12	19-3/8" x 19-3/8" x 11-1/2"	500	.29	-	121.92	-	508 x 508 x 305
MERV 14 - 90-95% EFFICIENCY								
2424B3	24 x 24 x 12	23-3/8" x 23-3/8" x 11-1/2"	500	.32	.45	205.70	103.98	610 x 610 x 305
2420B3	24 x 20 x 12	23-3/8" x 19-3/8" x 11-1/2"	500	.32	.45	168.10	84.77	610 x 508 x 305
2412B3	24 x 12 x 12	23-3/8" x 11-3/8" x 11-1/2"	500	.32	.45	91.79	46.34	610 x 305 x 305
2020B3*	20 x 20 x 12	19-3/8" x 19-3/8" x 11-1/2"	500	.32	-	121.92	-	508 x 508 x 305
MERV 15 - 98% EFFICIENCY								
2424B9	24 x 24 x 12	23-3/8" x 23-3/8" x 11-1/2"	500	.33	.49	205.70	103.98	610 x 610 x 305
2420B9	24 x 20 x 12	23-3/8" x 19-3/8" x 11-1/2"	500	33	.49	168.10	84.77	610 x 508 x 305
2412B9	24 x 12 x 12	23-3/8" x 11-3/8" x 11-1/2"	500	.33	.49	91.79	46.34	610 x 305 x 305
2020B9*	20 x 20 x 12	19-3/8" x 19-3/8" x 11-1/2"	500	.33	-	121.92	-	508 x 508 x 305
MERV 16 - 95% @ .3 microns								
23F23FB4	24 x 24 x 12	23-3/8" x 23-3/8" x 11-1/2"	500	.78	-	205.70	-	610 x 610 x 305
23F19FB4	24 x 20 x 12	23-3/8" x 19-3/8" x 11-1/2"	500	.78	-	168.10	-	610 x 508 x 305
23F11FB4	24 x 12 x 12	23-3/8" x 11-3/8" x 11-1/2"	500	.78	-	91.79	-	610 x 305 x 305
99.97% @ .3 microns								
23F23FB5	24 x 24 x 12	23-3/8" x 23-3/8" x 11-1/2"	275	1.0	-	205.70	-	610 x 610 x 305
23F19FB5	24 x 20 x 12	23-3/8" x 19-3/8" x 11-1/2"	275	1.0	-	168.10	-	610 x 508 x 305
23F11FB5	24 x 12 x 12	23-3/8" x 11-3/8" x 11-1/2"	275	1.0	-	91.79	-	610 x 305 x 305

* Puracell 20x20x12 is 3V, 6 panel construction and the frame is gray in color.

Tolerances shall be +/- 1/16" for height and width. The frame depth shall be 11-1/2" +/- 1/8". Performance values based on ASHRAE and in-house testing methods.
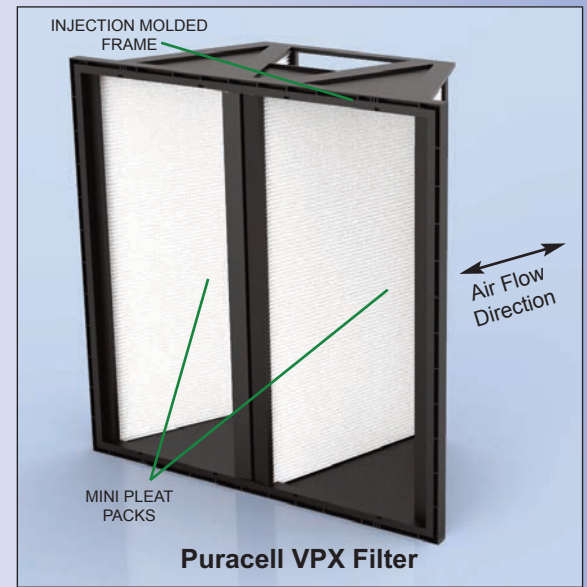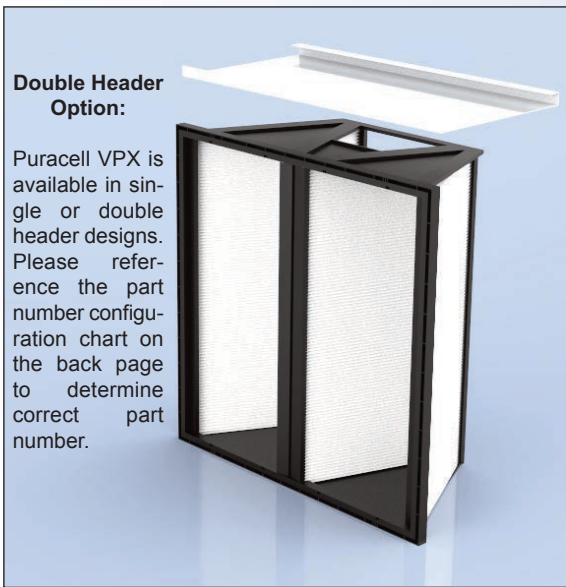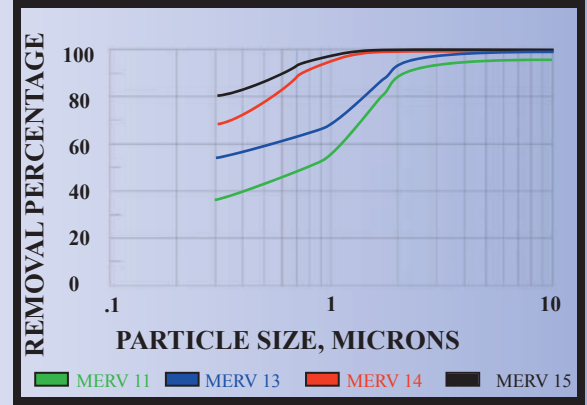*Recommended Final Resistance: VP=2.0" in w.g., VPX=1.5" in w.g.*

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THE CLEAR CHOICE SINCE 1936

PURACELL VP
STANDARD PRESSURE DROP
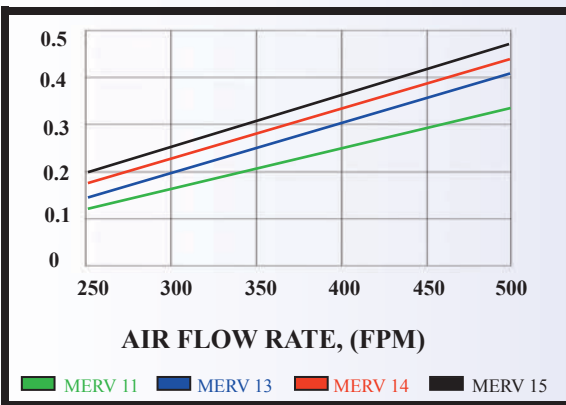**Test Filter Size 24" x 24" x 12" Nominal**

AIR FLOW RATE, (FPM)

MERV 11   MERV 13   MERV 14   MERV 15

PURACELL VP/VPX
MINIMUM PARTICLE SIZE EFFICIENCY
Test Filter Size 24" x 24" x 12" Nominal

REMOVAL PERCENTAGE

PARTICLE SIZE, MICRONS

MERV 11   MERV 13   MERV 14   MERV 15

Double Header Option:

Puracell VPX is available in single or double header designs. Please reference the part number configuration chart on the back page to determine correct part number.

INJECTION MOLDED FRAME

Air Flow Direction

MINI PLEAT PACKS

Puracell VPX Filter

PURACELL VPX
STANDARD PRESSURE DROP
Test Filter Size 24" x 24" x 12" Nominal

AIR FLOW RATE, (FPM)

MERV 11   MERV 13   MERV 14   MERV 15

PURACELL VP
STANDARD PRESSURE DROP
Test Filter Size 24" x 24" x 12" Nominal

RESISTANCE IN. W.G.

AIR FLOW RATE, (FPM)

MERV 16   99.97%
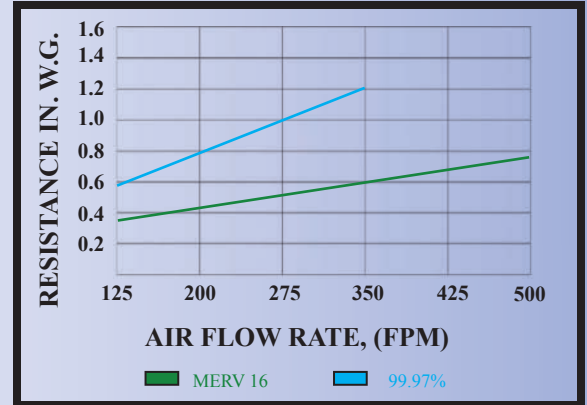
Glasfloss®

Energy Savings & Environmental Impact Comparison

	Glasfloss Puracell VP	Traditional Rigid Cell
MERV Rating	14	14
Initial Resistance (in. w.g)	0.32	0.68
*Recommended Final Resistance (in. w.g.)	2.0	1.5
**Fan/Motor/Drive Efficiency (%)	58.00%	58.00%
***Energy Consumption (kWh)	2649	3876
Annual CO2 Emissions (lbs)	3581	5240
Annual Energy Cost ($.08/kWh)	**$212.00**	**$310.00**

*   VP pressure drop estimated at 1.17 in. w.g. after 12 months
** Fan/Motor/Drive Efficiency estimated & averaged at 58%
*** Kilowatt cost estimated at $.08/kWh

> Glasfloss Puracell VP = $98.00 energy savings per filter or annually 31.7% savings per this comparison.

PART NUMBER CONFIGURATION FOR VP & VPX

PREFIX	FRAME STYLE	BASE PART NUMBER	GASKET LOCATION
☐	☐	☐	☐

PUP = VP

PUX = VPX

H = Header

D = Double Header
(VPX Model only)

NUMERICAL SIZE
OF FILTER AND
EFFICIENCY

O= NO GASKET

SINGLE HEADER
E = AIR ENTRY/EXIT (8)
F = AIR ENTRY(4)
H = AIR EXIT (4)
J = SIDE LOAD (2)
S= SIDE LOAD (1)

DOUBLE HEADER
K = AIR
      ENTRY/EXIT (8)
M= AIR ENTRY (4)
Q = AIR EXIT(2)

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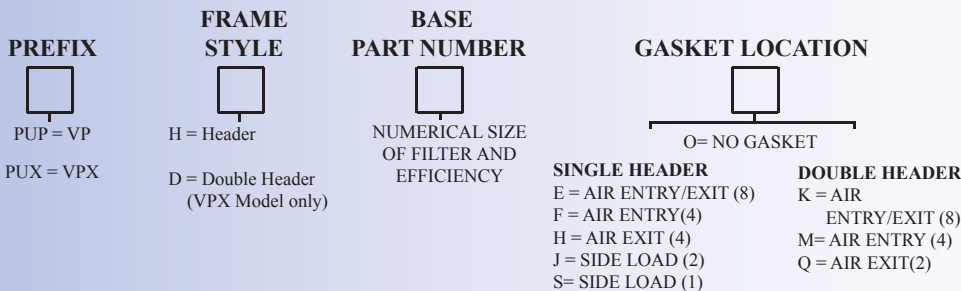
PURACELL VP

Low Resistance High Efficiency Rigid Filter

Base Part Number	Nominal Size W x H x D	Exact Size W x H x D	Single Header List Price	Approx Weight lb.
MERV 11 (60-65%)				
2424B1	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$262.57	17
2420B1	24 x 20 x 12	23 3/8 x 19 3/8 x 11 1/2	$254.73	14
2020B1	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	$252.83	11
2412B1	24 x 12 x 12	23 3/8 x 11 3/8 x 11 1/2	$179.87	10
MERV 13 (80-85%)				
2424B2	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$276.32	17
2420B2	24 x 20 x 12	23 3/8 x 19 3/8 x 11 1/2	$268.04	14
2020B2	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	$265.76	11
2412B2	24 x 12 x 12	23 3/8 x 11 3/8 x 11 1/2	$189.27	10
MERV 14 (90-95%)				
2424B3	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$279.12	17
2420B3	24 x 20 x 12	23 3/8 x 19 3/8 x 11 1/2	$270.68	14
2020B3	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	$268.46	11
2412B3	24 x 12 x 12	23 3/8 x 11 3/8 x 11 1/2	$191.22	10
MERV 15				
2424B9	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$301.48	17
2420B9	24 x 20 x 12	23 3/8 x 19 3/8 x 11 1/2	$292.35	14
2020B9	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	$289.90	11
2412B9	24 x 12 x 12	23 3/8 x 11 3/8 x 11 1/2	$206.49	10
MERV 16				
23F23FB4	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$371.22	18
23F19FB4	24 x 20 x 12	23 3/8 x 19 3/8 x 11 1/2	$360.05	15
23F11FB4	24 x 12 x 12	23 3/8 x 11 3/8 x 11 1/2	$254.30	11
99.97%				
23F23FB5	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$400.92	18
23F19FB5	24 x 20 x 12	23 3/8 x 19 3/8 x 11 1/2	$388.84	15
23F11FB5	24 x 12 x 12	23 3/8 x 11 3/8 x 11 1/2	$274.62	11

To ensure that Puracell VP filters are fabricated to meet job requirements, order by the exact Part Number.
Example: 24 x 24 x 12 MERV 14 Puracell VP with Single Header, no gasket. Part number = "PUPH2424B3O"

Puracell VP Prefix ID	Frame Style	Base Part Number	Gasket Location *(Number = sides)
PUP	H = Single Header	Select the Base Part Number for Desired Size and Efficiency	O = No Gasket **Single Header** E = Air Entry/Exit (8) F = Air Entry (4) H = Air Exit (4) J = Side Load (2) S = Side Load (1)

* Foam Gasketing is optional on Puracell VP Filters:
Add $12.00 to List Price for (8) sides
Add $6.50 to List Price for (4) sides
Add $5.50 to List Price for (2) sides
Add $4.25 to List Price for (1) side

* Neoprene Gasketing is standard on one side for MERV 16 & 99.97% Puracell VP Filters; additional Neoprene gasket add $8.50 to List Price per side

PURACELL VPX
(4 PANEL DESIGN)
Low Resistance High Efficiency Rigid Filter

Base Part Number	Nominal Size W x H x D	Exact Size W x H x D	Single Header List Price	Approx Weight lb.
MERV 11 (60-65%)				
2424B1	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$151.87	10
2420B1	24 x 20 x 12	23 3/8 x 19 3/8 x 11 1/2	$138.69	8
2412B1	24 x 12 x 12	23 3/8 x 11 3/8 x 11 1/2	$104.03	6
	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	Available in the VP Style	11
MERV 13 (80-85%)				
2424B2	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$167.81	10
2420B2	24 x 20 x 12	23 3/8 x 19 3/8 x 11 1/2	$157.96	8
2412B2	24 x 12 x 12	23 3/8 x 11 3/8 x 11 1/2	$114.94	6
	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	Available in the VP Style	11
MERV 14 (90-95%)				
2424B3	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$169.52	10
2420B3	24 x 20 x 12	23 3/8 x 19 3/8 x 11 1/2	$159.56	8
2412B3	24 x 12 x 12	23 3/8 x 11 3/8 x 11 1/2	$116.13	6
	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	Available in the VP Style	11
MERV 15				
2424B9	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$183.10	10
2420B9	24 x 20 x 12	23 3/8 x 19 3/8 x 11 1/2	$172.31	8
2412B9	24 x 12 x 12	23 3/8 x 11 3/8 x 11 1/2	$125.43	6
	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	Available in the VP Style	11

To ensure that Puracell VPX filters are fabricated to meet job requirements, order by the exact Part Number.
Example: 24 x 24 x 12 MERV 14 Puracell with Single Header, no gasket. Part number = "PUXH2424B3O"

Puracell VPX Prefix ID	Frame Style	Base Part Number	Gasket Location (Number = sides)
PUX	H = Single Header D = Double Header	Select the Base Part Number for Desired Size and Efficiency	O = No Gasket **Single Header** E = Air Entry/Exit (8) F = Air Entry (4) H = Air Exit (4) J = Side Load (2) S = Side Load (1) **Double Header** K = Air Entry/Exit (8) M = Air Entry (4) Q = Side Load (2)

Options: Add to List Price
1. Foam Gasketing is optional on Puracell VPX Filters.
Add $12.00 to List Price for (8) sides
Add $6.50 to List Price for (4) sides
Add $5.50 to List Price for (2) sides
Add $4.25 to List Price for (1) side
2. Double Header is optional on Puracell VPX Filters.
Metal plates are riveted to the top & bottom plastic frames to form a double header design.
Add $24.00 to List Price

New Synthetic Media

[PURACELL VP-S & VPX-S
(Mini-Pleat Synthetic Series)]

- 100% Synthetic Media
- VP-S (4V) All-Plastic Series Features 8-Pack Construction
- VPX-S (2V) Series Features 4-Pack Construction
- Low Resistance
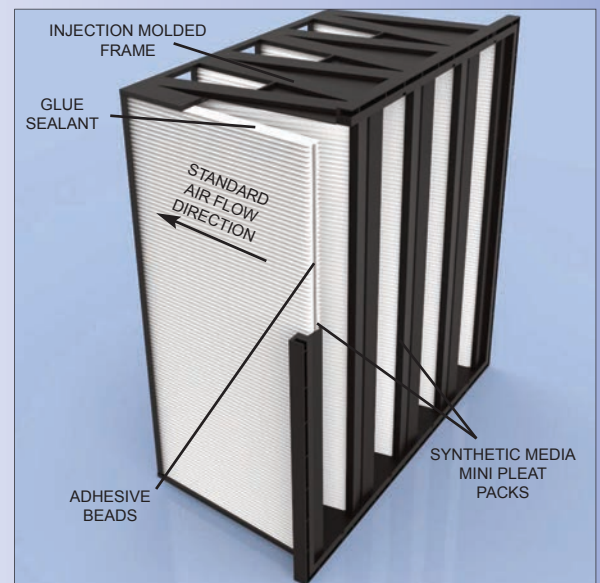- Moisture Resistant Construction
- Reverse Air Flow Option Available

FEATURES >

The Glasfloss Puracell VP-S (4V) and VPX-S (2V) all-plastic frame extended surface mini-pleat filters offer high efficiency particulate removal, extended service life and extremely low resistance to air flow. The Puracell VP-S and VPX-S plastic frame filters incorporate a lightweight, high-impact polystyrene framework for strength and durability in demanding commercial and industrial applications, and offer high efficiency and low resistance to airflow. When compared to traditional rigid cell and traditional box style filters, the Puracell VP-S and VPX-S mini-pleat series offer superior performance, lower operating costs and significant energy savings. Puracell 20x20x12 is 3V, 6 panel construction and the frame is gray in color. The Puracell VP-S and VPX-S are available in MERV 11, 13 and 15 performances.

The Puracell VP-S and VPX-S Series utilize multiple mini-pleat packs which allow low resistance to air flow and long service life. The media shall be water resistant, inorganic, moisture-resistant synthetic media which does not support the growth of bacteria or mold. The Puracell VP-S and VPX-S media packs are constructed by pleating a continuous sheet of media. The pleats are separated by a uniform glue bead that produces low pressure drop while maximizing the filtration area. The media packs are completely sealed and bonded within the heavy-duty framework. The filters shall be rated to withstand temperatures up to 180 degrees Fahrenheit.

< SPECIFICATIONS

INJECTION MOLDED FRAME

GLUE SEALANT

STANDARD AIR FLOW DIRECTION

SYNTHETIC MEDIA MINI PLEAT PACKS

ADHESIVE BEADS

Efficiency	60-65%	80-85%	98%
MERV	11	13	15

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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.
www.glasfloss.com · (214) 741-7056   PRODUCT BULLETIN 12PURVPX • SECTION 12 • 2-15-21
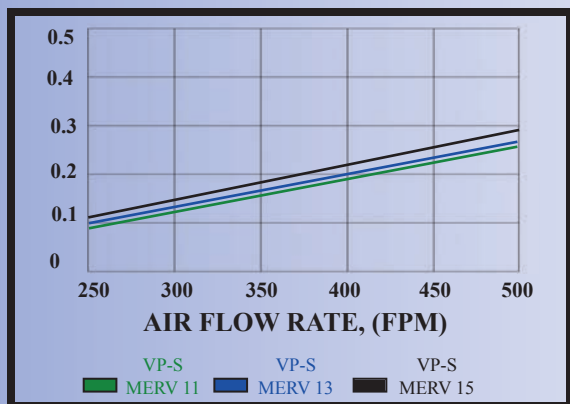
Puracell VP-S / VPX-S
100% Synthetic Media

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		MEDIA SQUARE FEET		SIZE W x H x D NOM. MM
				VP-S	VPX-S	VP-S	VPX-S	
MERV 11 - 60-65% EFFICIENCY								
2424B1	24 x 24 x 12	23-3/8" x 23-3/8" x 11-1/2"	500	.26	.33	146.93	73.46	610 x 610 x 305
2420B1	24 x 20 x 12	23-3/8" x 19-3/8" x 11-1/2"	500	.26	.33	119.80	59.90	610 x 508 x 305
2412B1	24 x 12 x 12	23-3/8" x 11-3/8" x 11-1/2"	500	.26	.33	65.55	32.78	610 x 305 x 305
2020B1*	20 x 20 x 12	19-3/8" x 19-3/8" x 11-1/2"	500	.26	-	89.85	-	508 x 508 x 305
MERV 13 - 80-85% EFFICIENCY								
2424B2	24 x 24 x 12	23-3/8" x 23-3/8" x 11-1/2"	500	.27	.35	146.93	73.46	610 x 610 x 305
2420B2	24 x 20 x 12	23-3/8" x 19-3/8" x 11-1/2"	500	.27	.35	119.80	59.90	610 x 508 x 305
2412B2	24 x 12 x 12	23-3/8" x 11-3/8" x 11-1/2"	500	.27	.35	65.55	32.78	610 x 305 x 305
2020B2*	20 x 20 x 12	19-3/8" x 19-3/8" x 11-1/2"	500	.27	-	89.85	-	508 x 508 x 305
MERV 15 - 98% EFFICIENCY								
2424B9	24 x 24 x 12	23-3/8" x 23-3/8" x 11-1/2"	500	.29	.37	146.93	73.46	610 x 610 x 305
2420B9	24 x 20 x 12	23-3/8" x 19-3/8" x 11-1/2"	500	.29	.37	119.80	59.90	610 x 508 x 305
2412B9	24 x 12 x 12	23-3/8" x 11-3/8" x 11-1/2"	500	.29	.37	65.55	32.78	610 x 305 x 305
2020B9*	20 x 20 x 12	19-3/8" x 19-3/8" x 11-1/2"	500	.29	-	89.85	-	508 x 508 x 305

* Puracell 20x20x12 is 3V, 6 panel construction and the frame is gray in color

Tolerances shall be +/- 1/16" for height, width and depth. The frame depth shall 11-1/2" +/- 1/8". Performance values based on ASHRAE and in-house testing methods.
Recommended Final Resistance: VP-S=2.0" in w.g., VPX-S=1.5" in w.g.

PURACELL VP-S STANDARD PRESSURE DROP
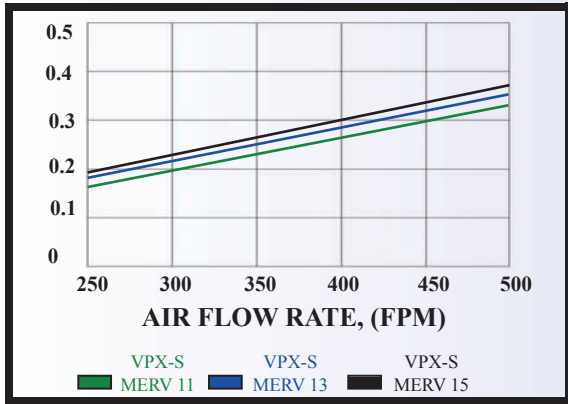**Test Filter Size 24" x 24" x 12" Nominal**

AIR FLOW RATE, (FPM)

VP-S MERV 11 — VP-S MERV 13 — VP-S MERV 15

PURACELL VP-S MINIMUM PARTICLE SIZE EFFICIENCY
Test Filter Size 24" x 24" x 12" Nominal

REMOVAL PERCENTAGE / PARTICLE SIZE, MICRONS

VP-S MERV 11 — VP-S MERV 13 — VP-S MERV 15
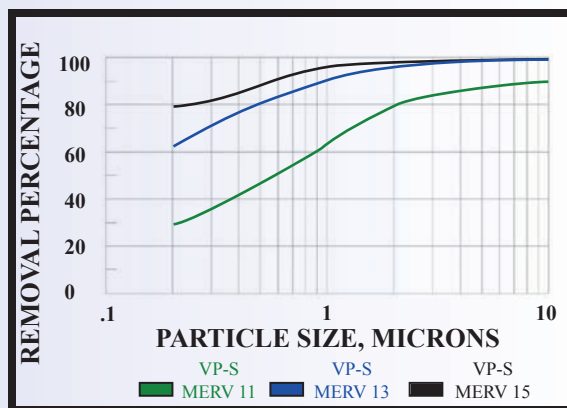
PURACELL VPX-S
STANDARD PRESSURE DROP
Test Filter Size 24" x 24" x 12" Nominal

AIR FLOW RATE, (FPM)

| VPX-S MERV 11 | VPX-S MERV 13 | VPX-S MERV 15 |

PURACELL VPX-S
MINIMUM PARTICLE SIZE EFFICIENCY
Test Filter Size 24" x 24" x 12" Nominal
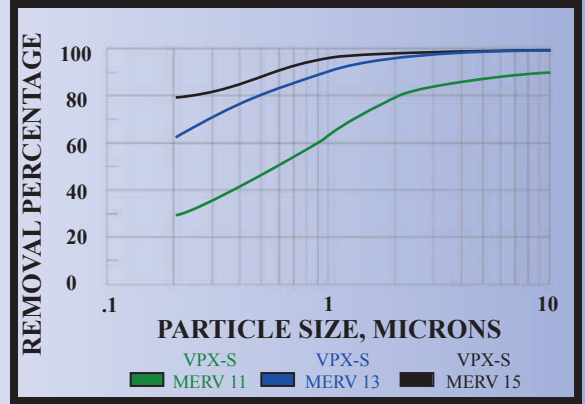
REMOVAL PERCENTAGE

PARTICLE SIZE, MICRONS

| VPX-S MERV 11 | VPX-S MERV 13 | VPX-S MERV 15 |

PART NUMBER CONFIGURATION FOR VP-S & VPX-S

PREFIX

PUPS = VPS

PUXS = VPXS

FRAME STYLE

H = Header

BASE PART NUMBER

NUMERICAL SIZE OF FILTER AND EFFICIENCY

GASKET LOCATION

O = NO GASKET

SINGLE HEADER
E = AIR ENTRY/EXIT (8)
F = AIR ENTRY(4)
H = AIR EXIT (4)
J = SIDE LOAD (2)
S = SIDE LOAD (1)

REVERSE AIR FLOW

RF
(leave blank for standard air flow)

INJECTION MOLDED FRAME

Standard Air Flow Direction

MINI PLEAT PACKS

Puracell VPX-S Filter
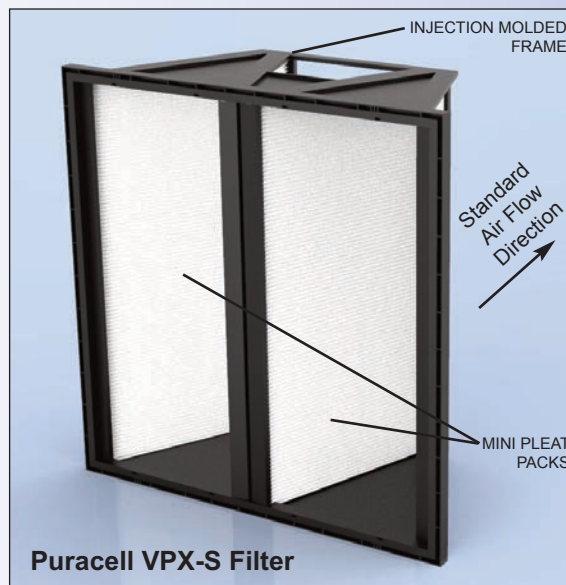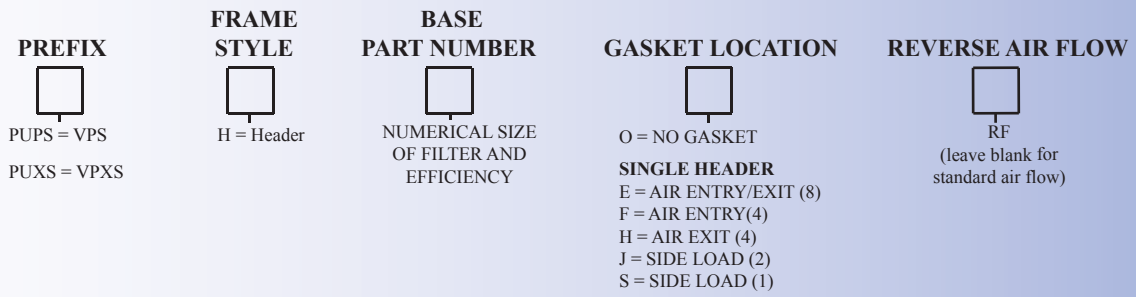
Energy Savings & Environmental Impact Comparison

	Glasfloss Puracell VP-S	**Traditional Rigid Cell**
MERV Rating	15	14
Initial Resistance (in. w.g)	0.29	0.68
*Recommended Final Resistance (in. w.g.)	2.0	1.5
**Fan/Motor/Drive Efficiency (%)	58.00%	58.00%
***Energy Consumption (kWh)	2548	3876
Annual CO2 Emissions (lbs)	3440	5240
Annual Energy Cost ($.08/kWh)	**$203.84**	**$310.00**

*   VP-S pressure drop estimated at 1.15 in. w.g. after 12 months
**   Fan/Motor/Drive Efficiency estimated & averaged at 58%
*** Kilowatt cost estimated at $.08/kWh

Glasfloss Puracell VP-S = $106.16 energy savings per filter or annually 34.2% savings per this comparison.

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PURACELL VP-S
Synthetic Media
Low Resistance High Efficiency Rigid Filter

Base Part Number	Nominal Size W x H x D	Exact Size W x H x D	Single Header List Price	Approx Weight lb.
MERV 11				
2424B1	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$274.34	17
2420B1	24 x 20 x 12	23 3/8 x 19 3/8 x 11 1/2	$266.18	14
2020B1	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	$263.52	11
2412B1	24 x 12 x 12	23 3/8 x 11 3/8 x 11 1/2	$187.95	10
MERV 13				
2424B2	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$288.69	17
2420B2	24 x 20 x 12	23 3/8 x 19 3/8 x 11 1/2	$280.04	14
2020B2	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	$277.24	11
2412B2	24 x 12 x 12	23 3/8 x 11 3/8 x 11 1/2	$199.78	10
MERV 15				
2424B9	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$314.98	17
2420B9	24 x 20 x 12	23 3/8 x 19 3/8 x 11 1/2	$305.49	14
2020B9	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	$302.43	11
2412B9	24 x 12 x 12	23 3/8 x 11 3/8 x 11 1/2	$215.75	10

To ensure that Puracell VP-S filters are fabricated to meet job requirements, order by the exact Part Number.
Example: 24 x 24 x 12 MERV 15 Puracell VP-S with Single Header, no gasket. Part number = "PUPSH2424B9O"

| Puracell VP-S Prefix ID	Frame Style	Base Part Number	Gasket Location *(Number = sides)	Reverse Air Flow
PUPS	H = Single Header	Select the Base Part Number for Desired Size and Efficiency	O = No Gasket **Single Header** E = Air Entry/Exit (8) F = Air Entry (4) H = Air Exit (4) J = Side Load (2) S = Side Load (1)	RF (Leave blank for standard air flow)

* Foam Gasketing is optional on Puracell VP Filters:
Add $12.00 to List Price for (8) sides
Add $6.50 to List Price for (4) sides
Add $5.50 to List Price for (2) sides
Add $4.25 to List Price for (1) side

PURACELL VPX-S
Synthetic Media
Low Resistance High Efficiency Rigid Filter
(4 PANEL DESIGN)

Base Part Number	Nominal Size W x H x D	Exact Size W x H x D	Single Header List Price	Approx Weight lb.
MERV 11				
2424B1	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$158.69	10
2420B1	24 x 20 x 12	23 3/8 x 19 3/8 x 11 1/2	$144.91	8
2412B1	24 x 12 x 12	23 3/8 x 11 3/8 x 11 1/2	$108.69	6
	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	Available in the VP-S Style	11
MERV 13				
2424B2	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$175.35	10
2420B2	24 x 20 x 12	23 3/8 x 19 3/8 x 11 1/2	$165.04	8
2412B2	24 x 12 x 12	23 3/8 x 11 3/8 x 11 1/2	$120.12	6
	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	Available in the VP-S Style	11
MERV 15				
2424B9	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$191.31	10
2420B9	24 x 20 x 12	23 3/8 x 19 3/8 x 11 1/2	$180.03	8
2412B9	24 x 12 x 12	23 3/8 x 11 3/8 x 11 1/2	$131.05	6
	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	Available in the VP-S Style	11

To ensure that Puracell VPX-S filters are fabricated to meet job requirements, order by the exact Part Number.

Example: 24 x 24 x 12 MERV 15 Puracell with Single Header, no gasket. Part number = "PUXSH2424B9O"

Puracell VPX-S Prefix ID	Frame Style	Base Part Number	*Gasket Location (Number = sides)	Reverse Air Flow
PUXS	H = Single Header	Select the Base Part Number for Desired Size and Efficiency	O = No Gasket **Single Header** E = Air Entry/Exit (8) F = Air Entry (4) H = Air Exit (4) J = Side Load (2) S = Side Load (1)	RF (Leave blank for standard air flow)

*Foam Gasketing is optional on Puracell VPX-S Filters.
Add $12.00 to List Price for (8) sides
Add $6.50 to List Price for (4) sides
Add $5.50 to List Price for (2) sides
Add $4.25 to List Price for (1) side
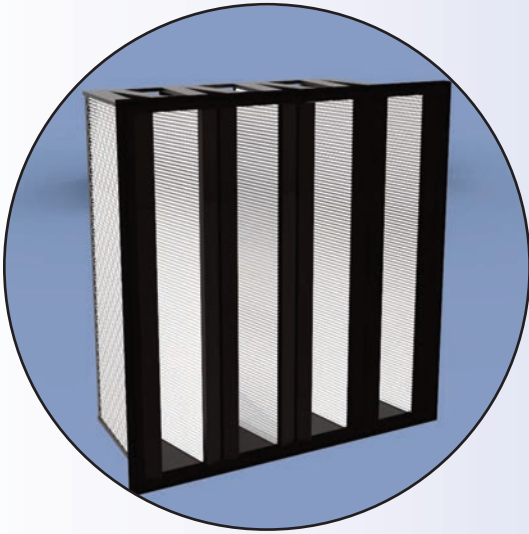
PURACELL VPGT & VP-SGT
Gas Turbine Series

- Heavy-duty Construction for Gas Turbine Applications
- Glass Microfiber Media or Synthetic Fibers Provide Excellent Moisture Resistance
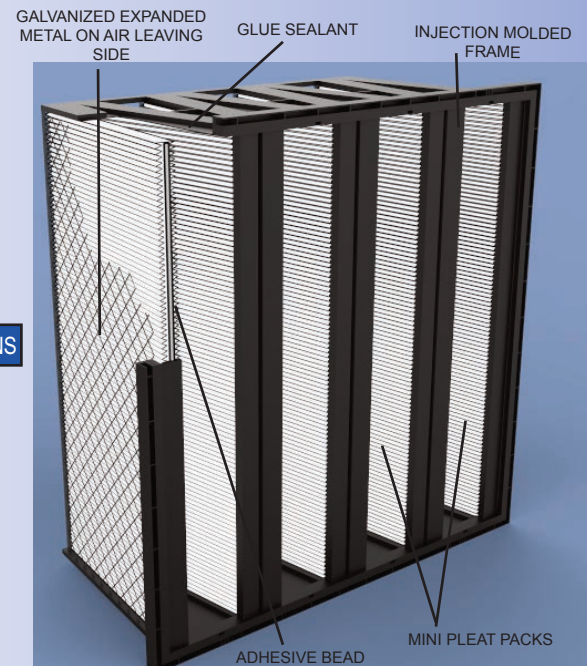- Extra Durability for Demanding HVAC Applications

FEATURES >

Glasfloss Puracell VPGT & VP-SGT filters are designed to withstand the rigors of a gas turbine engine, centrifugal compressor and other high velocity applications. Heavy-duty face grills and additional media pack reinforcements ensure the integrity of the filters under the most demanding conditions. Glasfloss GT filters are available in MERV 14 and MERV 15 ASHRAE performance.

The Glasfloss Puracell GT all plastic frame utilizes multiple mini-pleat packs which allow low resistance to air flow and long service life. The media shall be constructed of a water resistant, inorganic glass microfiber (or synthetic fibers). The media pack shall consist of a continuous sheet of the pleated media that is separated by a uniform glue bead which produces low pressure drop while maximizing the filtration area. A 1/4" neoprene thick gasket shall be applied on the filter. An expanded metal face guard is installed on the air leaving side of the frame to insure filter integrity and increase rigidity. The expanded metal shall be galvanized to resist rust and corrosion. The filter shall be rated to withstand temperatures up to 180 degrees Fahrenheit. The VPGT shall withstand up to 23 in. w.g. and the VP-SGT shall withstand up to 25 in. w.g. in an "Air Filter Breaching Test." Puracell GT Series shall have MERV 14 performance on VPGT and MERV 15 performance on VP-SGT.

SPECIFICATIONS <

GALVANIZED EXPANDED METAL ON AIR LEAVING SIDE   GLUE SEALANT   INJECTION MOLDED FRAME

ADHESIVE BEAD   MINI PLEAT PACKS

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www.glasfloss.com · (214) 741-7056   PRODUCT BULLETIN 12-VPGT · SECTION 12 · 7-3-19
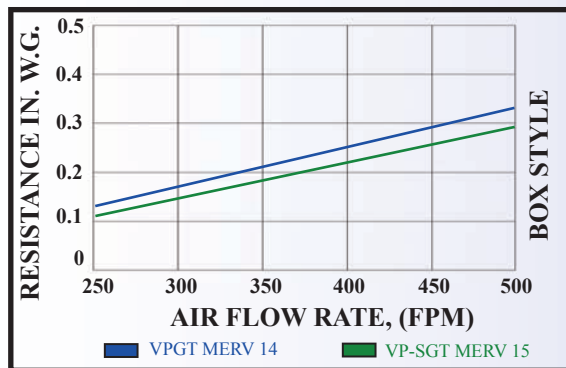
PURACELL VPGT MERV 14

MODEL NUMBER	SIZE H x W x D NOMINAL	SIZE H x W x D EXACT	RATED VELOCITY FPM	INITIAL RESIST. IN. W.G.	MEDIA SQUARE FEET	SIZE H x W x D NOMINAL MM	RATED VELOCITY M/H	INITIAL RESIST. PASCALS
PUPH2412B3H1	24 x 12 x 12	23-3/8 x 11-3/8 x 11-1/2	500	.33	85.15	610 x 305 x 305	9150	82.12
PUPH2424B3H1	24 x 24 x 12	23-3/8 x 23-3/8 x 11-1/2	500	.33	191.32	610 x 610 x 305	9150	82.12

PURACELL VP-SGT MERV 15

PUPSH2412B9H1	24 x 12 x 12	23-3/8 x 11-3/8 x 11-1/2	500	.29	65.55	610 x 305 x 305	9150	72.16
PUPSH2424B9H1	24 x 24 x 12	23-3/8 x 23-3/8 x 11-1/2	500	.29	146.93	610 x 610 x 305	9150	72.16

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

STANDARD PRESSURE DROP
Test Filter Size 24" x 24" x 12" Nominal

BOX STYLE

RESISTANCE IN. W.G. vs AIR FLOW RATE, (FPM)

■ VPGT MERV 14   ■ VP-SGT MERV 15

MINIMUM PARTICLE SIZE EFFICIENCY
Test Filter Size 24" x 24" x 12" Nominal

REMOVAL PERCENTAGE vs PARTICLE SIZE, MICRONS

■ VPGT MERV 14   ■ VP-SGT MERV 15

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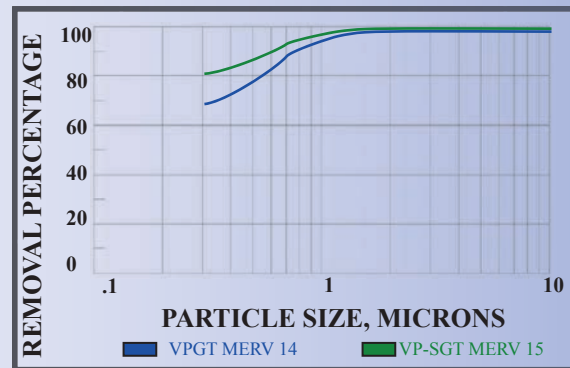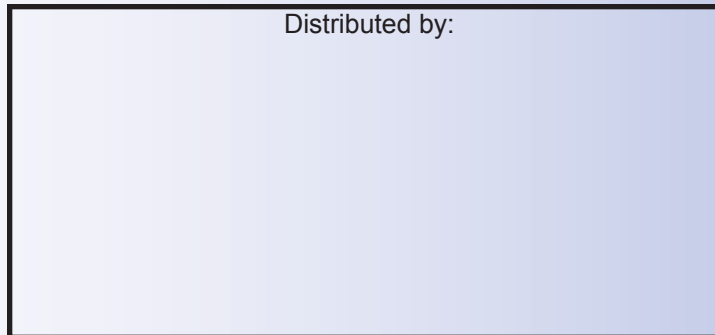
PURACELL VPGT & VP-SGT
Gas Turbine Series

Part Number	Nominal Size W x H x D	Exact Size W x H x D	List Price	Approx Weight lb.
VPGT				
(MERV 14 Fiberglass Media)				
PUPH2424B3H1	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$321.00	18
PUPH2412B3H1	24 x 12 x 12	23 3/8 x 11 3/8 x 11 1/2	$219.90	11
VP-SGT				
(MERV 15 Synthetic Media)				
PUPSH2424B9H1	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$362.25	18
PUPSH2412B9H1	24 x 12 x 12	23 3/8 x 11 3/8 x 11 1/2	$248.12	11

Puracell VPGT & VP-SGT Gas Turbine Series filters come standard with face guards on the air leaving side.

---

* Standard neoprene gasket applied to the air leaving side of the header frame.
* For other gasket location requirements, replace "H" near the end of part with the following identification -
    O = No Gasket
    F = Air Entry (4)
    J = Side Load (2)
    S = Side Load (1)
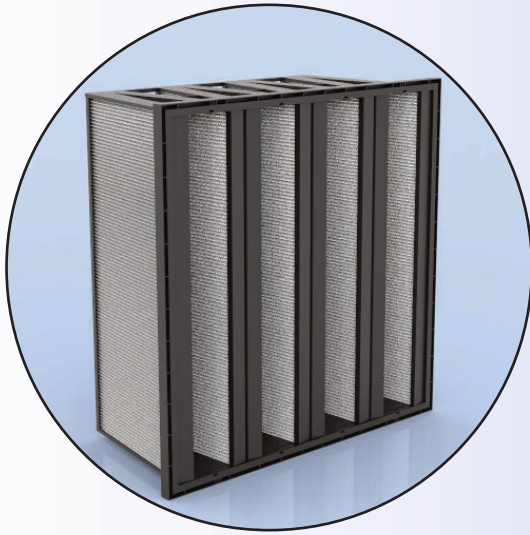
[PURACELL VP-GA]

High Efficiency Gas Adsorber
Mini-Pleat Series

- MERV 15 Performance
- 500 gsm Activated Carbon
- Low Resistance to Airflow
- High-Strength All-Plastic Frame

FEATURES >

The Glasfloss Puracell VP-GA is designed for high efficiency particulate filtration applications and incorporates 500 grams per square meter of activated carbon to remove a multitude of odors and VOCs. Compact dual media design allows for convenient installation in many HVAC applications.

The Glasfloss Puracell VP-GA shall be made of high-impact strength, all plastic frame design. The media pack shall be bonded to the frame utilizing a moisture resistant adhesive for continuous seal. The multiple 4-V engineered design and precision pleating maximizes airflow and service life. The first stage particulate MERV 15 media shall be 100% synthetic fibers that do not support microbial growth. The second stage activated carbon shall incorporate 500 grams per square meter that maximizes the surface area for high removal of various odors and VOCs. A ¼"-thick closed cell neoprene gasket is optional. Maximum operating temperature up to 140 degrees Fahrenheit.
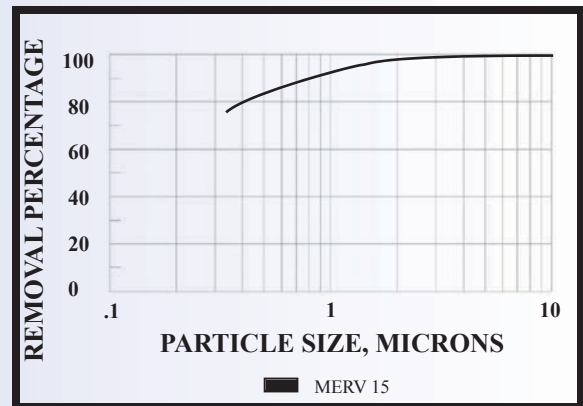
< **SPECIFICATIONS**

INJECTION MOLDED
FRAME

GLUE
SEALANT

ADHESIVE BEADS

MINI PLEAT
PACKS
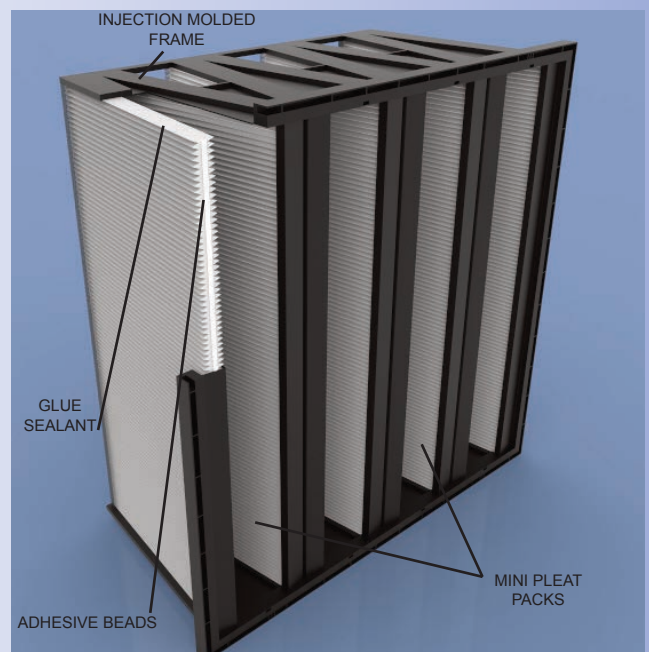
Puracell VP-GA

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.	MEDIA SQUARE FEET	SIZE W x H x D NOM. MM
MERV 15 - 98% EFFICIENCY						
2424B9	24 x 24 x 12	23-3/8" x 23-3/8" x 11-1/2"	500	.42	68.8	610 x 610 x 305
2420B9	24 x 20 x 12	23-3/8" x 19-3/8" x 11-1/2"	500	.42	55.2	610 x 508 x 305
2412B9	24 x 12 x 12	23-3/8" x 11-3/8" x 11-1/2"	500	.42	30.4	610 x 305 x 305

Tolerances shall be +/- 1/16" for height and width. The frame depth shall be 11-1/2" +/- 1/8". Performance values based on ASHRAE and in-house testing methods.
Recommended Final Resistance: 1.5" in w.g.

PURACELL VP-GA
STANDARD PRESSURE DROP
Test Filter Size 24" x 24" x 12" Nominal

AIR FLOW RATE, (FPM)
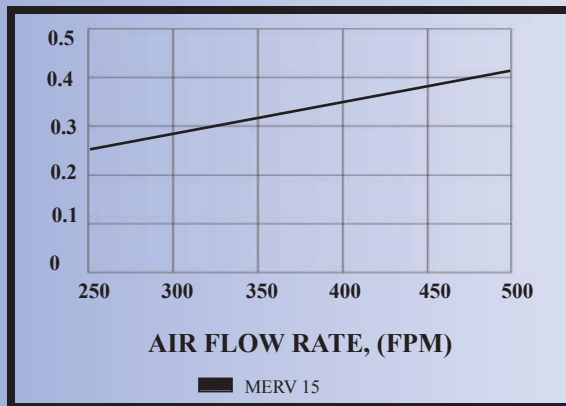
■ MERV 15

PURACELL VP-GA
MINIMUM PARTICLE SIZE EFFICIENCY
Test Filter Size 24" x 24" x 12" Nominal

PARTICLE SIZE, MICRONS

■ MERV 15

NAFA National Air Filtration Association

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PURACELL VP-GA
High Efficiency Gas Adsorber Rigid Filter
MERV 15
(8 PANEL DESIGN)

Base Part Number	Nominal Size W x H x D	Exact Size W x H x D	List Price	Approx Weight lb.
2424B9	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$708.45	12.5
2420B9	24 x 20 x 12	23 3/8 x 19 3/8 x 11 1/2	$669.15	11
2412B9	24 x 12 x 12	23 3/8 x 11 3/8 x 11 1/2	$523.53	8

Puracell VP-GA Prefix ID	Frame Style	Base Part Number	Gasket Location *(Number = sides)
PUPGA	H = Single Header	Select the Base Part Number for Desired Size and Efficiency	O = No Gasket **Single Header** E = Air Entry/Exit (8) F = Air Entry (4) H = Air Exit (4) J = Side Load (2) S = Side Load (1)

* Neoprene Gasketing is available at $8.50 List per complete side.

Add $17.00 to List Price for (8) sides
Add $8.50 to List Price for (4) sides
Add $7.00 to List Price for (2) sides
Add $6.50 to List Price for (1) side
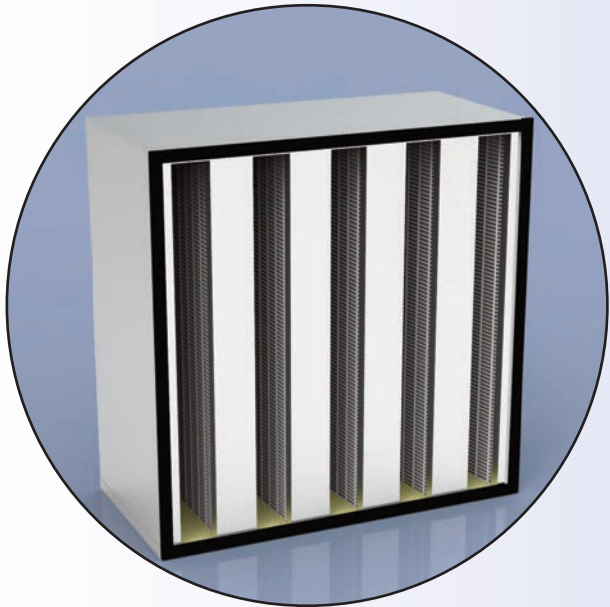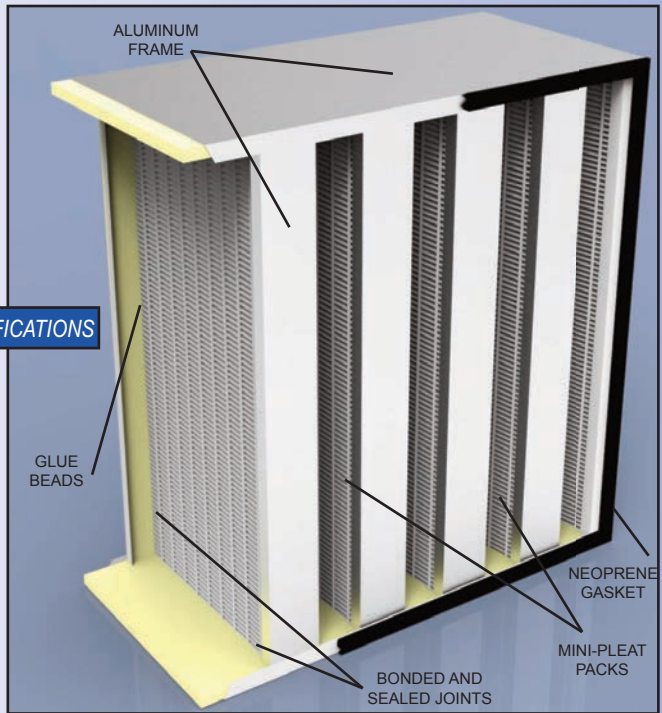
PURACELL 5V
Mini-Pleat Series

- High Capacity HEPA Grade Performance
- Low Pressure Drop & Lower Operating Costs
- Chemical Resistant Aluminum Frame
- Moisture Resistant Construction

FEATURES >

The Glasfloss Puracell 5V mini-pleat series offers HEPA grade performance, extremely low resistance to air flow and extended service life. The chemical resistant aluminum framework provides exceptional strength. The Glasfloss Puracell 5V mini-pleat series are produced in MERV 16 and 99.99% @ .30 micron size performance ranges and are available in exact or nominal standard sizes.

The Puracell 5V shall utilize mini-pleat packs which allow low resistance to air flow and long service life. The media shall be water resistant, inorganic, wet laid microfiber. The Puracell 5V media packs are constructed by pleating a continuous sheet of media. The pleats are separated by a uniform glue bead that maximizes the filtration area and produces low pressure drop. The media packs are resistant to moisture and do not support the growth of bacteria and mold. The media packs are completely sealed using a fire-retarding, rubber base, two-part sealant within the aluminum framework. A neoprene gasket is standard on one side for MERV 16 and 99.99% Puracell 5V. Puracell 5V 99.99% filters are tested for leaks based on a near-monodispersesd .30 micron size particle. The filters shall be rated to withstand temperatures up to 180 degrees Fahrenheit. Recommended final pressure drop for the Puracell 5V is 2.0" w.g.

< SPECIFICATIONS

ALUMINUM FRAME

GLUE BEADS

NEOPRENE GASKET

MINI-PLEAT PACKS

BONDED AND SEALED JOINTS

Puracell 5V

| BASE MODEL NUMBER	SIZE H x W x D NOMINAL (INCHES)	SIZE H x W x D EXACT (INCHES)	RATED VELOCITY FPM	INITIAL RESIST. IN. W.G	MEDIA SQUARE FEET	SIZE H x W x D NOM. MM
MERV 16						
EXACT SIZE						
2424B4	24 x 24 x 12	24 x 24 x 11-1/2	600	.80	401.19	610 x 610 x 305
2420B4	24 x 20 x 12	24 x 20 x 11-1/2	600	.80	320.95	610 x 508 x 305
2412B4	24 x 12 x 12	24 x 12 x 11-1/2	600	.80	200.59	610 x 305 x 305
UNDERSIZED						
23F23FB4	24 x 24 x 12	23-3/8 x 23-3/8 x 11-1/2	600	.80	389.99	594 x 594 x 305
23F19FB4	24 x 20 x 12	23-3/8 x 19-3/8 x 11-1/2	600	.80	311.99	594 x 492 x 305
23F11FB4	24 x 12 x 12	23-3/8 x 11-3/8 x 11-1/2	600	.80	194.99	594 x 289 x 305
99.99%						
EXACT SIZE						
2424B6	24 x 24 x 12	24 x 24 x 11-1/2	600	1.00	401.19	610 x 610 x 305
2420B6	24 x 20 x 12	24 x 20 x 11-1/2	600	1.00	320.95	610 x 508 x 305
2412B6	24 x 12 x 12	24 x 12 x 11-1/2	600	1.00	200.59	610 x 305 x 305
UNDERSIZED						
23F23FB6	24 x 24 x 12	23-3/8 x 23-3/8 x 11-1/2	600	1.00	389.99	594 x 594 x 305
23F19FB6	24 x 20 x 12	23-3/8 x 19-3/8 x 11-1/2	600	1.00	311.99	594 x 492 x 305
23F11FB6	24 x 12 x 12	23-3/8 x 11-3/8 x 11-1/2	600	1.00	194.99	594 x 289 x 305

Tolerances shall be +/- 1/16" for height, width and depth. The frame depth shall not exceed 11-1/2". Performance values based on ASHRAE and in-house testing methods.
Recommended final resistance: Puracell 5V @ 2.0"

PURACELL 5V
STANDARD PRESSURE DROP
Test Filter Size 24" x 24" x 12" Nominal

RESISTANCE IN. W.G. (1.2, 1.0, 0.8, 0.6, 0.4, 0.2)
AIR FLOW RATE, (FPM) (350, 400, 450, 500, 550, 600)
■ MERV 16 ■ 99.99%
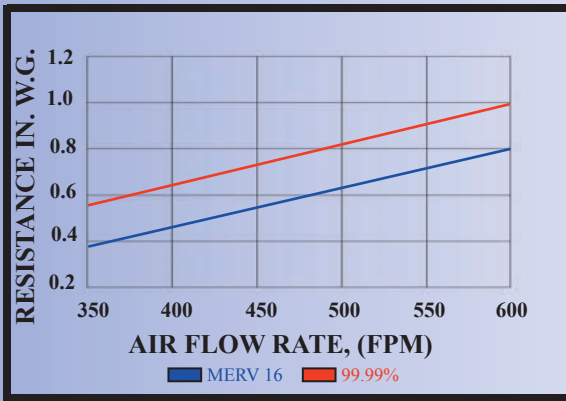
PURACELL 5V
MINIMUM PARTICLE SIZE EFFICIENCY
Test Filter Size 24" x 24" x 12" Nominal

REMOVAL PERCENTAGE (100, 99, 98, 97, 96, 95)
PARTICLE SIZE, MICRONS (.1, 1, 10)
■ MERV 16 ■ 99.99%
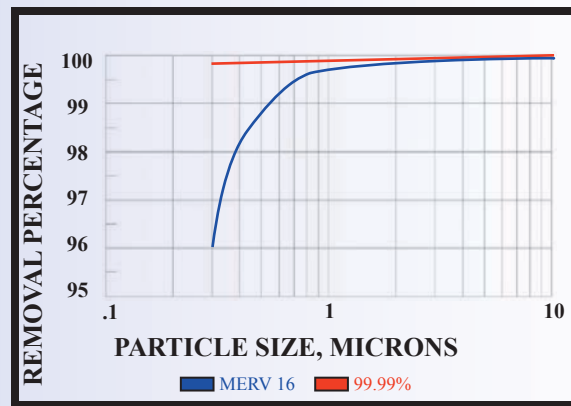
PART NUMBER CONFIGURATION FOR PURACELL 5V

PREFIX	FRAME STYLE	BASE PART NUMBER	GASKET LOCATION
□	□	□	□
PUV5	B = Box Style	Select The Base Part Number For Desired Size And Efficiency	O= NO GASKET

BOX STYLE
A = AIR EXIT (4)
B = AIR ENTRY (4)
C = AIR EXIT/ENTRY (8)
D = SIDE LOAD (2)

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Excellence ■ in Air Filtration Since 1936

PURACELL 5V
High Capacity HEPA Filter

Base Part Number	Nominal Size H x W x D	Exact Size H x W x D	List Price	Approx Weight lb.
MERV 16 **EXACT SIZE**				
2424B4	24 x 24 x 12	24 x 24 x 12	$609.68	33
2420B4	24 x 20 x 12	24 x 20 x 12	$591.43	28
2412B4	24 x 12 x 12	24 x 12 x 12	$426.77	17
MERV 16 **UNDERSIZED**				
23F23FB4	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$609.68	33
23F19FB4	24 x 20 x 12	23 3/8 x 19 3/8 x 11 1/2	$591.43	28
23F11FB4	24 x 12 x 12	23 3/8 x 11 3/8 x 11 1/2	$426.77	17
99.99% **EXACT SIZE**				
2424B6	24 x 24 x 12	24 x 24 x 12	$658.48	33
2420B6	24 x 20 x 12	24 x 20 x 12	$638.71	28
2412B6	24 x 12 x 12	24 x 12 x 12	$460.92	17
99.99% **UNDERSIZED**				
23F23FB6	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	$658.48	33
23F19FB6	24 x 20 x 12	23 3/8 x 19 3/8 x 11 1/2	$638.71	28
23F11FB6	24 x 12 x 12	23 3/8 x 11 3/8 x 11 1/2	$460.92	17

To ensure that Puracell 5V filters are fabricated to meet job requirements, order by the exact Part Number.
Example: 24 x 24 x 12 99.99% Puracell 5V, no gasket. Part number = "PUV5B2424B6O"

Puracell VP Prefix ID	Frame Style	Base Part Number	Gasket Location *(Number = sides)	
PUV5	B = Box Style	Select the Base Part Number for Desired Size and Efficiency	O = No Gasket **Box Style** A = Air Exit (4) B = Air Entry (4) C = Air Exit/Entry (8) D = Side Load (2)	* Neoprene Gasketing is standard on one side for MERV 16 & 99.99% Puracell 5V Filters; additional Neoprene gasket add $8.50 to List Price per side.