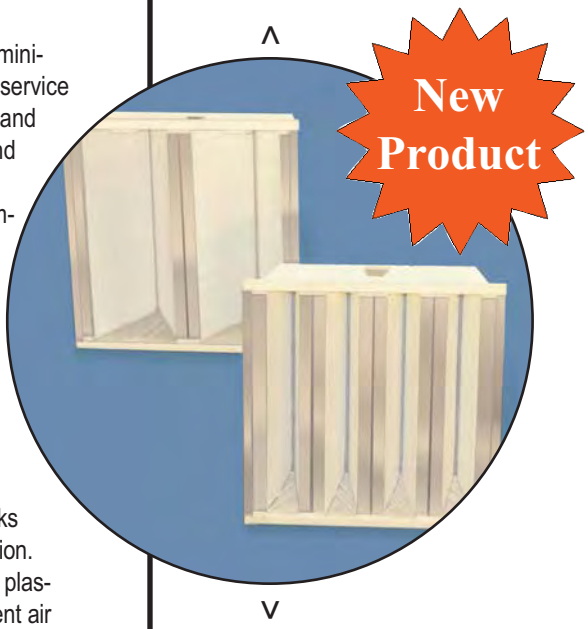
Glasfloss® Industries
Excellence in Air Filtration Since 1936

PURACELL VP & VPX

Mini-Pleat Series

FEATURES

The Glasfloss Puracell VP and VPX Series extended surface mini-pleat filters offer high efficiency particulate removal, extended service life and extremely low resistance to air flow. The Puracell VP and VPX filters feature a versatile, plastic channel frame design and rigid galvanized struts for excellent strength and durability in demanding commercial and industrial applications. When compared to traditional rigid cell and box style filters, the Puracell VP and VPX Series offer superior performance, lower operating costs and significant energy savings. The Puracell VP and VPX Series are available in 60-65% (MERV 11) and 90-95% (MERV 14) efficiency ranges in the most common face dimensions.



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

CONSTRUCTION

The Puracell VP & VPX Series utilize nominal 1" mini-pleat packs which maximize the square footage of media in each configuration. The packs are strategically placed and bonded in a heavy-duty, plastic channel frame reinforced with rigid galvanized struts to prevent air bypass. The water repellent, high efficiency, microfiber media resists bacteria and mold growth.

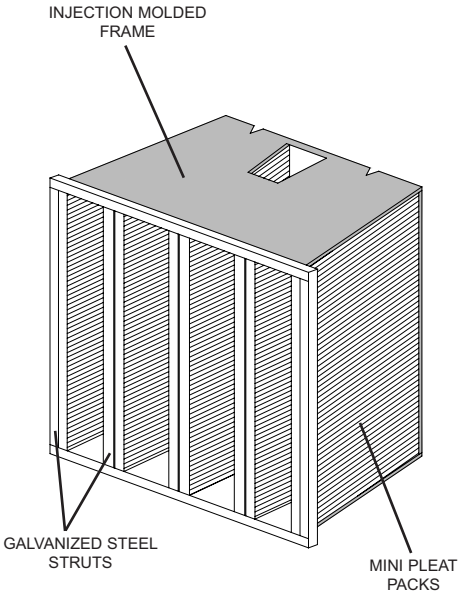
APPLICATIONS

The Puracell VP and VPX Series are ideal for a variety of applications including hospitals, office buildings, manufacturing plants and micro-electronic component assembly. The Puracell VP and VPX are direct replacements for traditional 12" rigid cell box style filters and require no modification to the existing system.

SPECIFICATIONS

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 injection molded plastic frame. The filters shall be rated to withstand temperatures up to 180 degrees Fahrenheit.

Efficiency	60-65%	90-95%
MERV	11	14

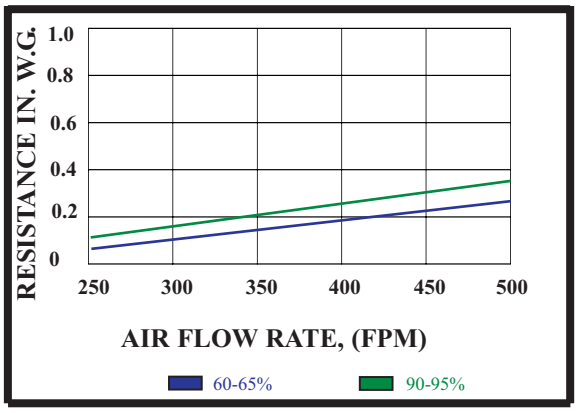


Puracell VP

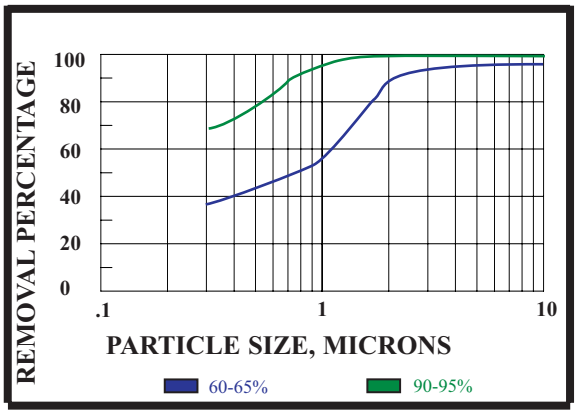
BASE MODEL NUMBER	SIZE W x H x D NOMINAL	SIZE W x H x D EXACT	RATED VELOCITY FPM	INITIAL RESIST. IN. W.G.	FINAL RESIST. IN. W.G.	MEDIA SQUARE FEET	SIZE W x H x D NOMINAL MM
90-95% Efficiency - MERV 14							
2424B3	24 x 24 x 12	23-3/8" x 23-3/8" x 11-1/2"	500	.35	2.0	189.00	610 x 610 x 305
2420B3	24 x 20 x 12	23-3/8" x 19-3/8" x 11-1/2"	500	.35	2.0	154.00	610 x 508 x 305
2412B3	24 x 12 x 12	23-3/8" x 11-3/8" x 11-1/2"	500	.35	2.0	84.00	610 x 305 x 305
60-65% Efficiency - MERV 11							
2424B1	24 x 24 x 12	23-3/8" x 23-3/8" x 11-1/2"	500	.26	2.0	189.00	610 x 610 x 305
2420B1	24 x 20 x 12	23-3/8" x 19-3/8" x 11-1/2"	500	.26	2.0	154.00	610 x 508 x 305
2412B1	24 x 12 x 12	23-3/8" x 11-3/8" x 11-1/2"	500	.26	2.0	84.00	610 x 305 x 305

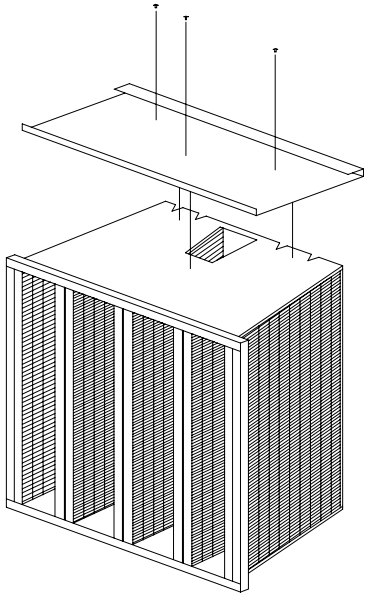
Tolerances shall be +/- 1/16" for height, width and depth. The frame depth shall not exceed 5-7/8" and 11-1/2". Performance values based on ASHRAE and in-house testing methods.

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





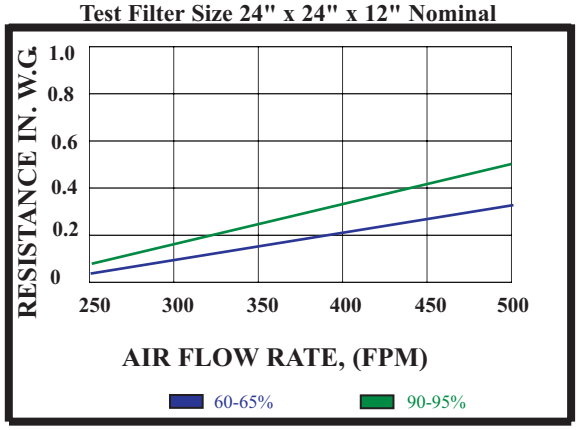
Double Header Option:
Puracell VP & VPX are available in single or double header designs. Please reference the part number configuration chart on the back page to determine correct part number.

Puracell VPX

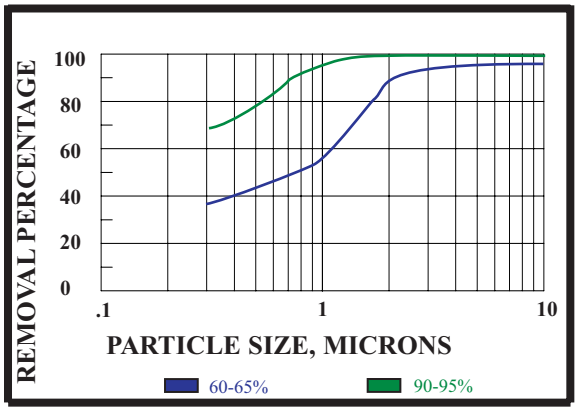
BASE MODEL NUMBER	SIZE W x H x D NOMINAL	SIZE W x H x D EXACT	RATED VELOCITY FPM	INITIAL RESIST. IN. W.G.	FINAL RESIST. IN. W.G.	MEDIA SQUARE FEET	SIZE W x H x D NOMINAL MM
90-95% Efficiency - MERV 14							
2424B3	24 x 24 x 12	23-3/8" x 23-3/8" x 11-1/2"	500	.45	1.5	96.00	610 x 610 x 305
2420B3	24 x 20 x 12	23-3/8" x 19-3/8" x 11-1/2"	500	.45	1.5	78.00	610 x 508 x 305
2412B3	24 x 12 x 12	23-3/8" x 11-3/8" x 11-1/2"	500	.45	1.5	43.00	610 x 305 x 305
60-65% Efficiency - MERV 11							
2424B1	24 x 24 x 12	23-3/8" x 23-3/8" x 11-1/2"	500	.33	1.5	96.00	610 x 610 x 305
2420B1	24 x 20 x 12	23-3/8" x 19-3/8" x 11-1/2"	500	.33	1.5	78.00	610 x 508 x 305
2412B1	24 x 12 x 12	23-3/8" x 11-3/8" x 11-1/2"	500	.33	1.5	43.00	610 x 305 x 305

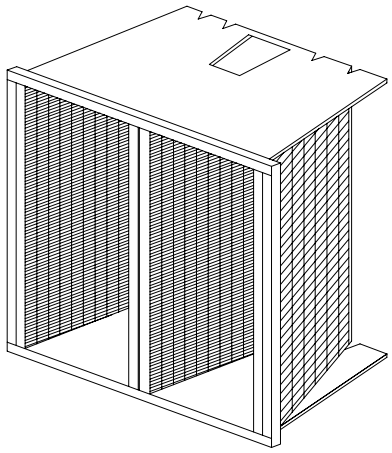
Tolerances shall be +/- 1/16" for height, width and depth. The frame depth shall not exceed 5-7/8" and 11-1/2". Performance values based on ASHRAE and in-house testing methods.

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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Mini-Pleat Series

Energy Savings & Environmental Impact Comparison

	Glasfloss Puracell VP	Traditional Rigid Cell
MERV Rating	14	14
Initial Resistance (in. w.g)	0.35	0.68
*Recommended Final Resistance (in. w.g.)	2.00	1.5
**Fan/Motor/Drive Efficiency (%)	58.00%	58.00%
***Energy Consumption (kWh)	2684	3876
Annual CO2 Emissions (lbs)	3629	5240
Annual Energy Cost ($.08/kWh)	**$215.00**	**$310.00**

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

Glasfloss Puracell VP = $95.00 energy savings per filter or annually 30% savings per this comparison.

PART NUMBER CONFIGURATION FOR VP & VPX

PREFIX □
PUP = VP
PUX = VPX

FRAME STYLE □
H = Header
D = Double 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)

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

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National Air Filtration Association