

Product Highlights

- 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

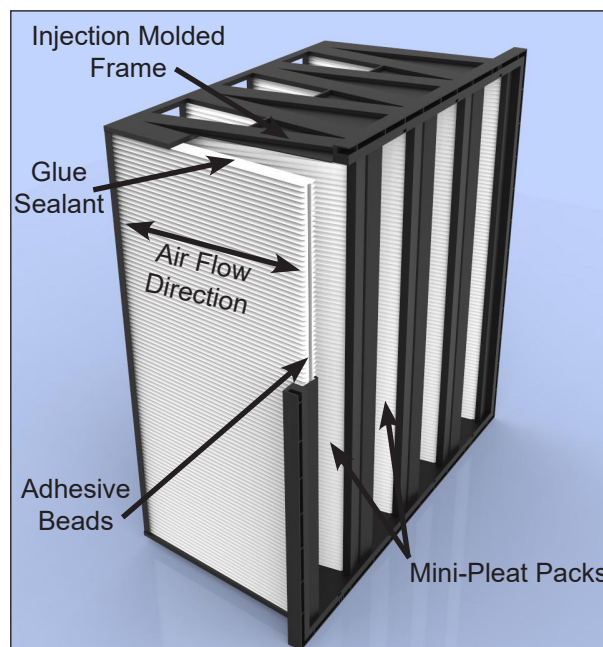
Features

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.

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 framework. The filters shall be rated to withstand temperatures up to 180 degrees Fahrenheit.

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



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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 FOOT		SIZE W x H x D NOMINAL 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	0.26	0.33	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	0.26	0.33	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	0.26	0.33	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	0.26	-	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	0.29	0.41	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	0.29	0.41	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	0.29	0.41	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	0.29	-	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	0.32	0.45	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	0.32	0.45	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	0.32	0.45	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	0.32	-	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	0.33	0.49	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	0.33	0.49	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	0.33	0.49	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	0.33	-	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	0.78	-	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	0.78	-	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	0.78	-	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.

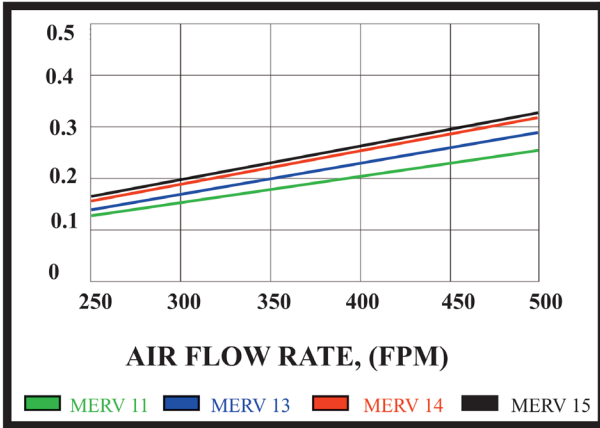
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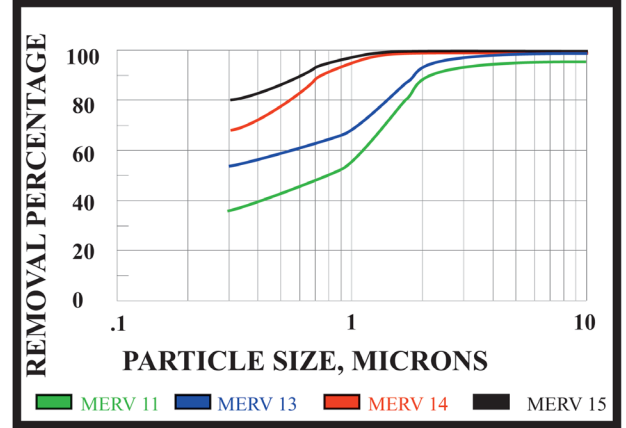
PURACELL VP STANDARD PRESSURE DROP

Test Filter Size 24" x 24" x 12" Nominal



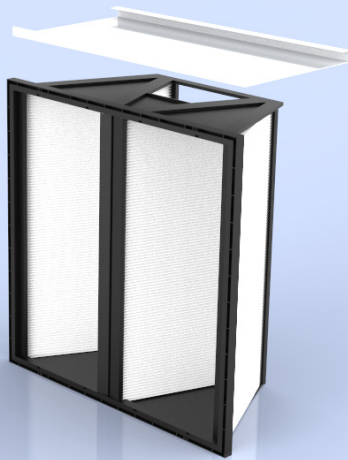
PURACELL VP/VPX MINIMUM PARTICLE SIZE EFFICIENCY

Test Filter Size 24" x 24" x 12" Nominal

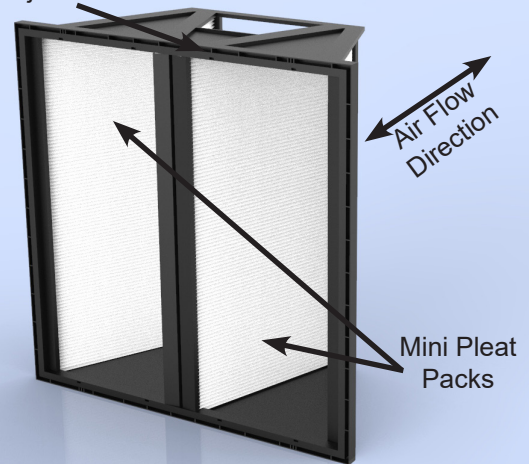


Double Header Option:

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.



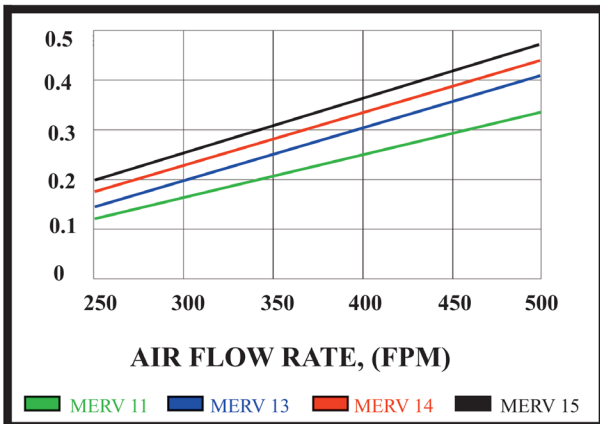
Injection Molded Frame



Puracell VPX Filter

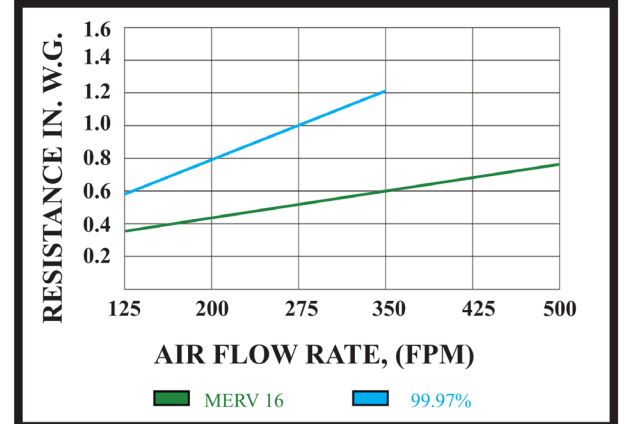
PURACELL VPX STANDARD PRESSURE DROP

Test Filter Size 24" x 24" x 12" Nominal



PURACELL VP STANDARD PRESSURE DROP

Test Filter Size 24" x 24" x 12" Nominal



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Energy Savings & Environmental Impact Comparison		
	<u>Glasfloss Puracell VP</u>	<u>Traditional Rigid Cell</u>
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)	2,649	3,876
Annual CO2 Emissions (lbs)	3,581	5,240
Annual Energy Cost (\$0.08/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	DOUBLE HEADER
			E = AIR ENTRY/EXIT (8) F = AIR ENTRY (4) H = AIR EXIT (4) J = SIDE LOAD (2) S = SIDE LOAD (1)	K = AIR ENTRY/EXIT (8) M = AIR ENTRY (4) Q = AIR EXIT (2)

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

Example: 24 x 24 x 12 MERV 14, Puracell VPX, Header style, no gasket. Part number = "PUXH2424B3O".

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