



## 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



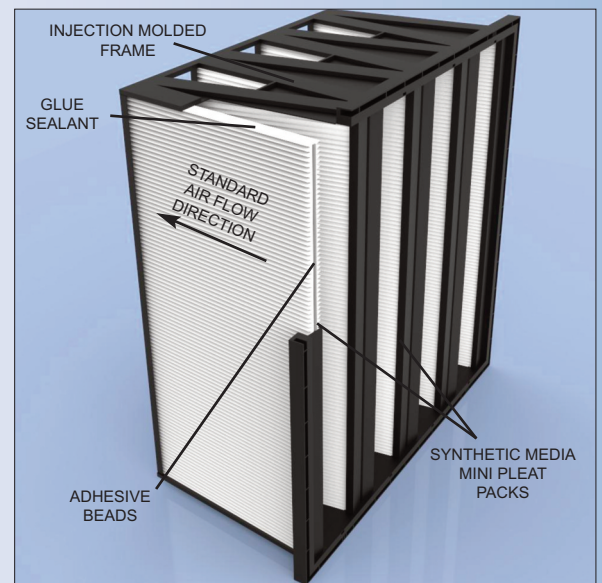
The Glasfloss Puracell VP-S (4V) and VPX-S (2V) all-plastic frame extended surface mini-pleat filters offer high efficiency particulate removal, extended service life and extremely low resistance to air flow. The Puracell VP-S and VPX-S plastic frame filters incorporate a lightweight, high-impact polystyrene 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

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.

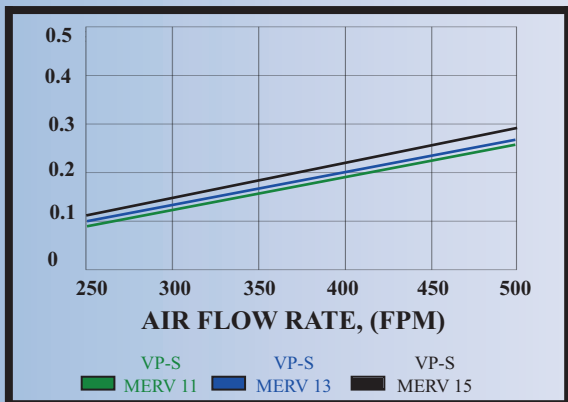
## Puracell VP-S / VPX-S 100% Synthetic Media

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	
<b>MERV 11 - 60-65% EFFICIENCY</b>								
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
<b>MERV 13 - 80-85% EFFICIENCY</b>								
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
<b>MERV 15 - 98% EFFICIENCY</b>								
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

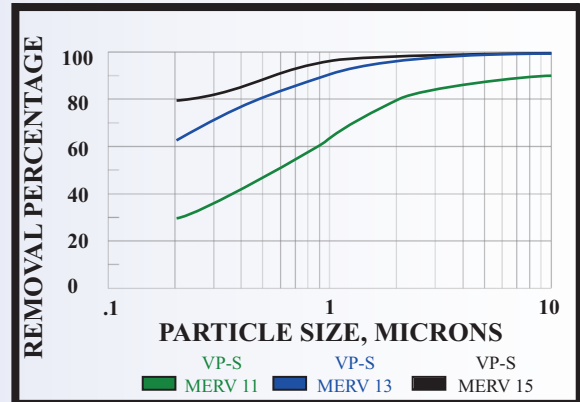
\* Puracell 20x20x12 is 3V, 6 panel construction and the frame is gray in color

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

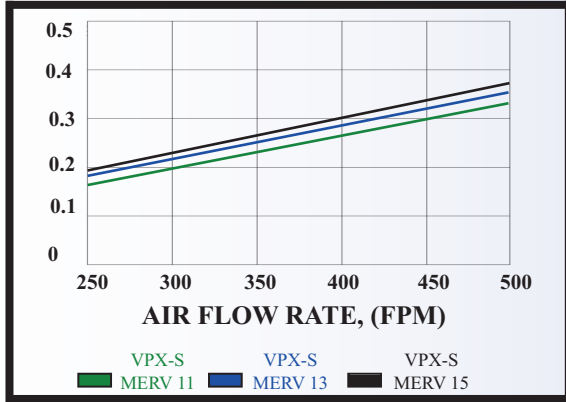


**PURACELL VP-S  
MINIMUM PARTICLE SIZE EFFICIENCY**  
Test Filter Size 24" x 24" x 12" Nominal



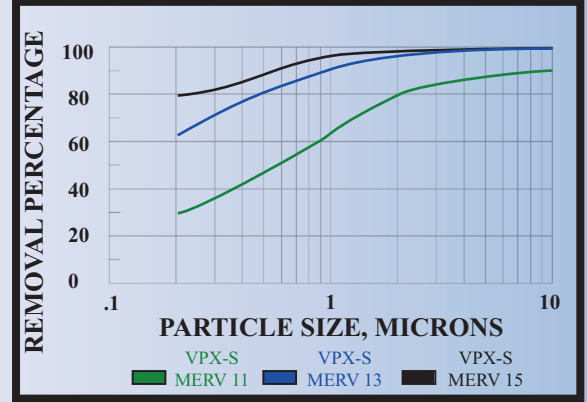
### PURACELL VPX-S STANDARD PRESSURE DROP

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

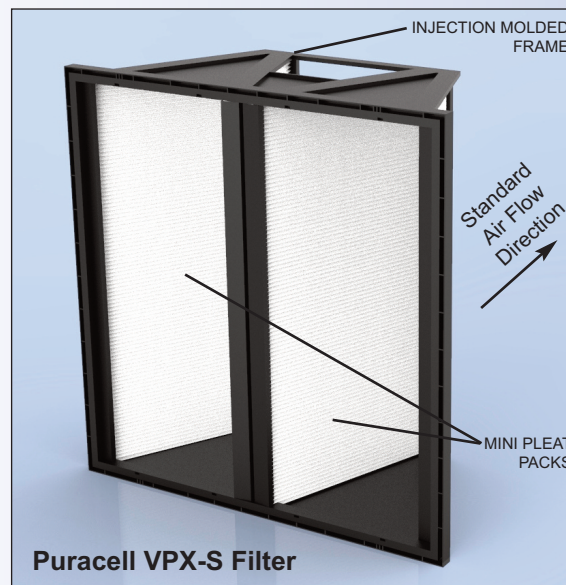
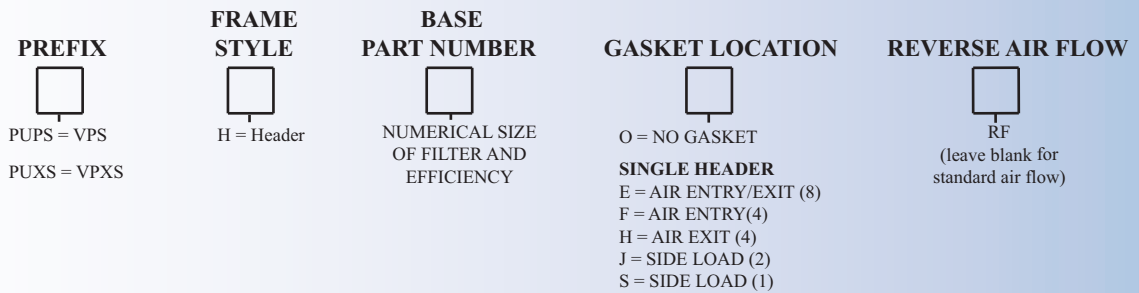


### PURACELL VPX-S MINIMUM PARTICLE SIZE EFFICIENCY

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



## PART NUMBER CONFIGURATION FOR VP-S & VPX-S



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Energy Savings & Environmental Impact Comparison

	<u>Glasfloss Puracell VP-S</u>	<u>Traditional Rigid Cell</u>
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
<b>Annual Energy Cost (\$.08/kWh)</b>	<b>\$203.84</b>	<b>\$310.00</b>

\* 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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