

# Prime8

## Standard & High Capacity Pleated Filters

### OVERVIEW

The Prime8 is a medium efficiency pleated air filter, created to provide high efficiency, high dust holding capacity and low pressure drop. The Prime8 is available in standard capacity as well as high capacity (Prime8HC). As an extended-surface air filter, the Prime8, performs at superior levels in comparison to standard pleated filters. The Prime8 has a MERV 8A rating per ASHRAE Test Standards 52.2 – Appendix J-2017. It is also UL 900 Classified.

The Prime8's rating of MERV 8A makes it the perfect upgrade from our Select Series panel filters as well as standard MERV 6 and MERV 7 pleated filters.

### CONSTRUCTION

The Prime8 has a durable, moisture-resistant, beverage board frame with wire-supported media. The Prime8's media is a mechanical blend of synthetic fibers that is designed for use specifically in extended surface pleated filters. Our Prime8 mechanical media means that these filters are highly efficient, have a high dust holding capacity and a low pressure drop. The media also allows the Prime8 to maintain its MERV 8A rating before and after ASHRAE 52.2 – Appendix J testing has been done.

### APPLICATION

The Prime8 should be used anywhere a higher level of indoor air quality is required. Applications that would benefit from the Prime8 pleated air filter include schools, hotels, commercial office buildings, hospitals, pharmaceutical plants, laboratories, and other facilities where pressure drop determines filter change-out schedule.

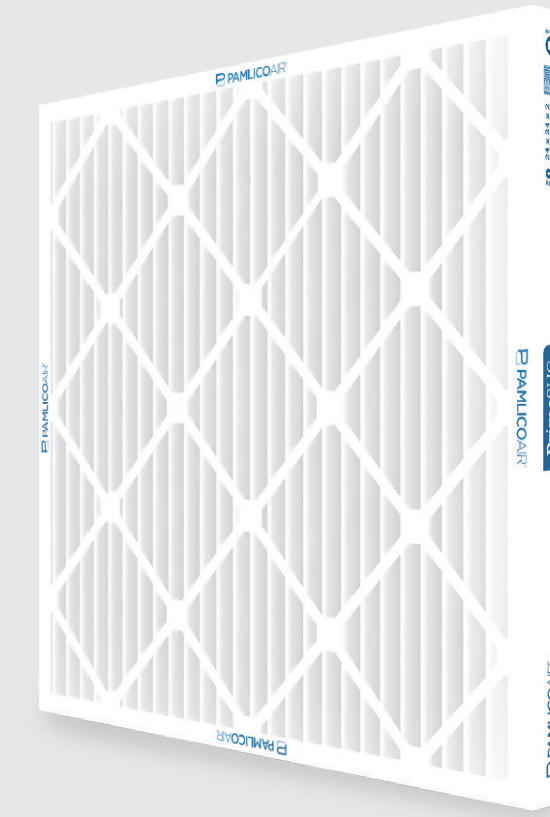
### ADDITIONAL PLEATED OPTIONS

- Prime11 - Standard & high capacity MERV 11 filters (see DS211)
- Prime13 - High efficiency MERV 13 filters (see DS213)
- PrimeHT - High temperature filters (see DS208HT)
- PrimeE - Economy filters (see DS208E)

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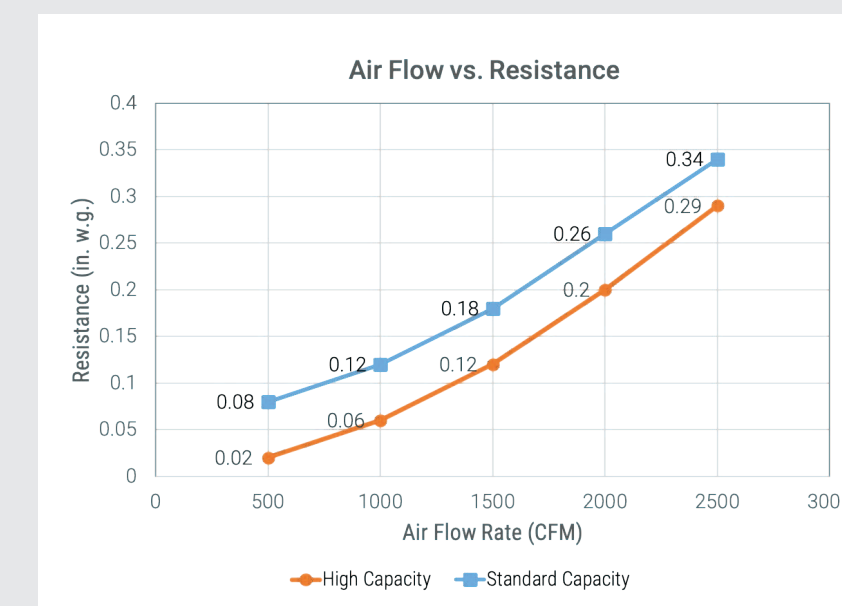
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### PRODUCT SPOTLIGHT

- MERV 8A - medium efficiency
- Extended surface
- High dust holding capacity
- Wire-supported mechanical media
- Moisture resistant beverage board frame
- Available in 1", 2" & 4"
- Max Operating Temp: 180°F
- UL 900 Classified

### TECHNICAL DATA



\*Based on 2" depth



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### PERFORMANCE DATA

Nominal Depth	Nominal Size (WxHxD)	Actual Size (in.)			Air Flow @ Capacity (CFM)	Resistance @ Capacity (in. w.g.)		Total Media Area (sq. ft.)		Number of Pleats Per Linear Foot	
		Width	Height	Depth		Standard	High	Standard	High	Standard	High
1"	10x10x1	9.50	9.50	0.75	240	0.25	0.19	1.1	1.3	13	15
	10x20x1	9.50	19.50		490			2.2	2.6		
	10x25x1	9.50	24.50		610			2.8	3.2		
	12x12x1	11.38	11.38		350			1.6	1.9		
	12x20x1	11.50	19.50		580			2.7	3.1		
	12x24x1	11.50	23.50		700			3.3	3.8		
	12x25x1	11.75	24.75		730			3.5	3.9		
	14x20x1	13.50	19.50		680			3.2	3.7		
	14x25x1	13.50	24.50		850			4.0	4.6		
	15x20x1	14.50	19.50		730			3.4	3.9		
	15x25x1	14.50	24.50		910			4.3	4.9		
	16x16x1	15.75	15.75		620			3.0	3.4		
	16x20x1	15.50	19.50		780			3.6	4.2		
	16x24x1	15.50	23.50		930			4.4	5.1		
	16x25x1	15.50	24.50		970			4.6	5.3		
	18x18x1	17.75	17.75		790			3.8	4.3		
	18x20x1	17.50	19.50		880			4.1	4.8		
	18x24x1	17.50	23.50		1050			5.0	5.7		
	18x25x1	17.50	24.50		1100			5.2	6.0		
	20x20x1	19.50	19.50		970			4.6	5.3		
20x24x1	19.50	23.50	1170	5.5	6.4						
20x25x1	19.50	24.50	1215	5.8	6.6						
22x22x1	21.75	21.75	1180	5.7	6.4						
24x24x1	23.50	23.50	1400	6.6	7.7						
2"	10x20x2	9.50	19.50	1.75	700	0.27	0.20	4.0	6.0	10	15
	12x24x2	11.38	23.38		1000			5.8	8.8		
	14x20x2	13.50	19.50		975			5.7	8.6		
	14x25x2	13.50	24.50		1220			7.1	10.7		
	15x20x2	14.50	19.50		1040			6.1	9.2		
	16x20x2	15.50	19.50		1110			6.5	9.8		
	16x24x2	15.38	23.38		1335			7.9	11.8		
	16x25x2	15.50	24.50		1390			8.2	12.3		
	18x18x2	17.75	17.75		1125			6.8	10.0		
	18x20x2	17.50	19.50		1250			7.4	11.1		
	18x24x2	17.38	23.38		1500			8.9	13.3		
	18x25x2	17.50	24.50		1565			9.3	13.9		
	20x20x2	19.50	19.50		1390			8.2	12.3		
	20x24x2	19.38	23.38		1670			9.9	14.8		
	20x25x2	19.50	24.50		1740			10.3	15.5		
	24x24x2	23.38	23.38		2000			11.9	17.9		
4"	12x24x4	11.38	23.38	3.75	1000	0.26	0.23	11.3	16.3	9	13
	16x20x4	15.50	19.50		1110			12.6	18.2		
	16x25x4	15.50	24.50		1390			15.8	22.8		
	18x24x4	17.38	23.38		1500			17.1	24.7		
	20x20x4	19.50	19.50		1390			15.9	22.9		
	20x24x4	19.38	23.38		1670			19.1	27.6		
	20x25x4	19.50	24.50		1740			19.9	28.7		
	24x24x4	23.38	23.38		2000			23.0	33.2		

Notes:

- 2" & 4" deep filters are rated at 500 fpm and 1" deep filters are rated at 350 fpm.
- More sizes are available. Please consult Pamlico Portal or contact customer service at customerservice@pamlico-air.com.
- Performance data is based on ASHRAE Test Standards 52.2 – Appendix J-2017.



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