

THE WORLD LEADER IN CLEAN AIR SOLUTIONS

VariCel® M-Pak

EXTENDED SURFACE PLEATED FILTERS

Engineering Data

Supplement to Bulletin AFP-1-161

Product Information—Standard Sizes

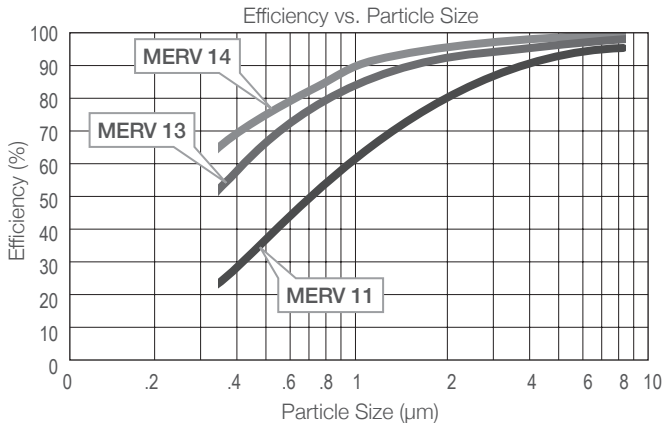
	^(1,2) Nominal Size (Inches)	⁽³⁾ Rated Airflow Capacity	Resistance (in. w.g.) Recommended		Gross Media Area (sq. ft.) Standard
			⁽⁴⁾ Initial	Final	
⁽⁵⁾Rated Filter Face Velocity – 500 FPM					
MERV 14	24 x 24 x 6	2000	.58	1.5	125
	20 x 25 x 6	1750	.58	1.5	108
	20 x 24 x 6	1660	.58	1.5	103
	20 x 20 x 6	1400	.58	1.5	84
	16 x 25 x 6	1400	.58	1.5	84
	16 x 20 x 6	1100	.58	1.5	65
	12 x 24 x 6	1000	.58	1.5	57
MERV 13	24 x 24 x 6	2000	.56	1.5	105
	20 x 25 x 6	1750	.56	1.5	90
	20 x 24 x 6	1660	.56	1.5	86
	20 x 20 x 6	1400	.56	1.5	70
	16 x 25 x 6	1400	.56	1.5	70
	16 x 20 x 6	1100	.56	1.5	54
	12 x 24 x 6	1000	.56	1.5	47
MERV 11	24 x 24 x 6	2000	.39	1.5	105
	20 x 25 x 6	1750	.39	1.5	90
	20 x 24 x 6	1660	.39	1.5	86
	20 x 20 x 6	1400	.39	1.5	70
	16 x 25 x 6	1400	.39	1.5	70
	16 x 20 x 6	1100	.39	1.5	54
	12 x 24 x 6	1000	.39	1.5	47

- (1) Width and height dimensions are interchangeable. VariCel M-Pak filters can be installed with the pleats either vertical or horizontal.
- (2) Actual dimensions are 5/8" less than nominal (24" x 24" is 23 3/8" x 23 3/8").
- (3) SCFM (Standard Cubic Feet Per Minute) Rated Airflow Capacity at "Standard" Conditions: 68°F (20°C) at Sea Level (29.92" of Mercury).
- (4) All performance data is based on ASHRAE Standard 52.2. Performance tolerances conform to Section 7.4 of ARI Standard 850-93.
- (5) VariCel M-Pak filters can be operated up to 125% of rated filter face velocity.

VariCel® M-Pak Filters

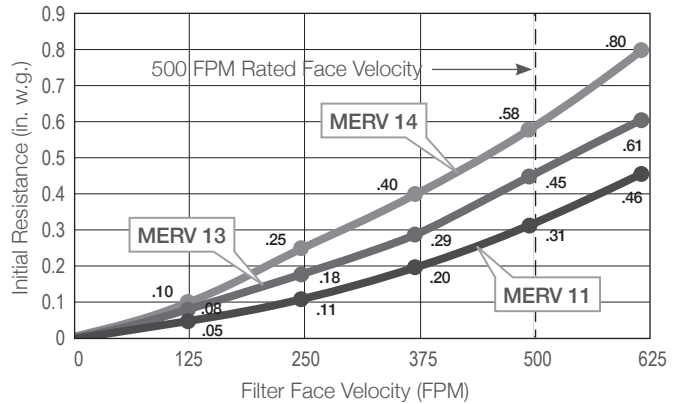
Performance Data

Composite Minimum Efficiency Curve



Tested in accordance with ASHRAE Standard 52.2.

Initial Resistance vs. Filter Face Velocity



Filters are rated at 500 FPM filter face velocity. Recommended final resistance for all VariCel M-Pak filters is 1.5 in. w.g.

Operating Temperature Limits

176°F (80°C)

Underwriters Laboratories Classification

All VariCel M-Pak filters are UL Classified. Testing was performed according to UL Standard 900.

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9920 Corporate Campus Drive, Suite 2200, Louisville, KY 40223-5690
888.223.2003 Fax 888.223.6500 | aafintl.com

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