



Better Air is Our Business®



AmericanAirFilter® VariCel® M-Pak

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.) | | Gross Media Area (ft ²) Standard |
|---|--|---------------------------------------|------------------------|-------------------|--|
| | | | ⁽⁴⁾ Initial | Recommended Final | |
| ⁽⁵⁾ Rated Filter Face Velocity — 500 FPM | | | | | |
| MERV 14 | 24x24x6 | 2000 | .58 | 1.5 | 125 |
| | 20x25x6 | 1750 | .58 | 1.5 | 108 |
| | 20x24x6 | 1660 | .58 | 1.5 | 103 |
| | 20x20x6 | 1400 | .58 | 1.5 | 84 |
| | 16x25x6 | 1400 | .58 | 1.5 | 84 |
| | 16x20x6 | 1100 | .58 | 1.5 | 65 |
| | 12x24x6 | 1000 | .58 | 1.5 | 57 |
| MERV 13 | 24x24x6 | 2000 | .56 | 1.5 | 105 |
| | 20x25x6 | 1750 | .56 | 1.5 | 90 |
| | 20x24x6 | 1660 | .56 | 1.5 | 86 |
| | 20x20x6 | 1400 | .56 | 1.5 | 70 |
| | 16x25x6 | 1400 | .56 | 1.5 | 70 |
| | 16x20x6 | 1100 | .56 | 1.5 | 54 |
| | 12x24x6 | 1000 | .56 | 1.5 | 47 |
| MERV 11 | 24x24x6 | 2000 | .39 | 1.5 | 105 |
| | 20x25x6 | 1750 | .39 | 1.5 | 90 |
| | 20x24x6 | 1660 | .39 | 1.5 | 86 |
| | 20x20x6 | 1400 | .39 | 1.5 | 70 |
| | 16x25x6 | 1400 | .39 | 1.5 | 70 |
| | 16x20x6 | 1100 | .39 | 1.5 | 54 |
| | 12x24x6 | 1000 | .39 | 1.5 | 47 |

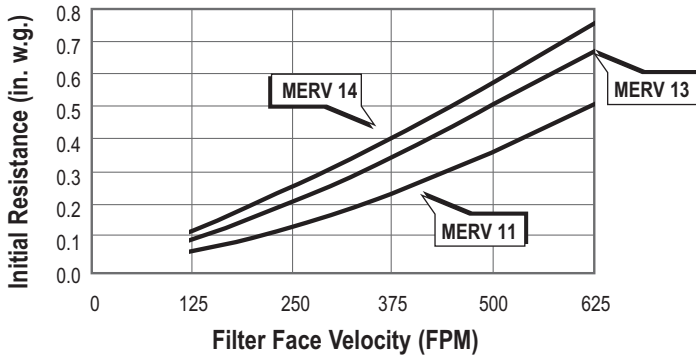
- (1) Width and height dimension are interchangeable. VariCel® M-Pak filters can be installed with the pleats either vertical or horizontal.
- (2) Actual dimensions are 1/8" less than nominal. (24" x 24" is 23 3/8" x 23 3/8").
- (3) SCFM (Standard Cubic Feet Per Minute) Rated Airflow Capacity at "Standard" Conditions: 68°F (20°C) at Sea Level (29.92" of Mercury).
- (4) All performance data is based on ASHRAE 52.2-1999 and ASHRAE 52.1-1992 test methods. Performance tolerances conform to Section 7.4 of ARI Standard 850-84.
- (5) VariCel M-Pak filters can be operated up to 125% of rated filter face velocity.

AmericanAirFilter®

VariCel® M-Pak

Performance Data

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" w.g.

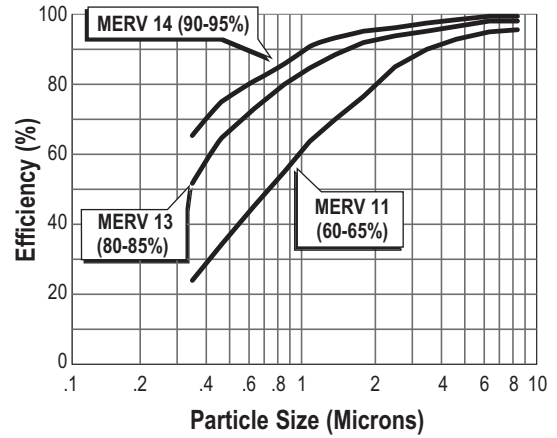
Operating Temperature Limits

VariCel M-Pak 176°F/80°C

Underwriters Laboratories Classification

All VariCel M-Paks are Class 2. Testing was performed according to UL Standard 900.

Efficiency by Particle Size*



*Tested in accordance with ASHRAE test method 52.2-1999.

Efficiencies determined using ASHRAE test method 52.1-1992.

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ISO Certified Firm

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