

**AmericanAirFilter®****MEGApleat® M13*****Extended Surface Pleated Panel Filter***

- *Premium performance and construction*
- *Synthetic, electrostatically charged media with low initial resistance to airflow*
- *Excellent as a final filter or prefilter*
- *1", 2" and 4" models*
- *Meets efficiency standards for achieving points toward LEED® Certification*
- *4" filters are constructed with pleat stabilizers to ensure uniform spacing and increased rigidity*
- **MERV 13**

***Premium Construction and Performance***

Designed to meet the demands of the toughest applications, the MEGApleat® M13 offers a totally unitized, die-cut box, beverage board frame with double thickness in the perimeter wall. The MEGApleat® M13 is extremely strong and durable under normal operating conditions.

MEGApleat® M13 also has a heavy duty, expanded metal pleat support grid laminated to the media pack to increase rigidity and help maintain proper spacing between pleats. Proper pleat spacing ensures maximum efficiency, low resistance, and maximizes dust holding capacity.

The media pack is bonded to the frame at all points of contact. This bonding prevents dirty air bypass and promotes even airflow through the media pack. The MEGApleat® M13 construction process results in a filter which is very stable, with no racking or vibration of the pleats under normal airflow. Pleat stability minimizes the chances of captured particulate shaking loose and re-entering the airstream.

***High Efficiency Media Captures More Fine Particulate***

A MERV 13 rating requires 90% efficiency on 1– 3 micron particles and greater than 90% efficiency on 3 – 10 micron particles, when tested in accordance with ASHRAE Test Standard 52.2. MEGApleat® M13 meets and exceeds these requirements. Electrostatically charged media has a high initial efficiency and is particularly effective in capturing finer particulate.

***Applications***

The MEGApleat® M13 will work in any application where an extended surface pleated panel filter is currently in service. It is particularly suited to applications where high initial efficiency and lower initial resistance are required.

<sup>(1)</sup> Standard Sizes <sup>(2)</sup> Nominal Sizes (inches) (W x H x D)	<sup>(2)</sup> Actual Sizes (inches) (W x H x D)	Rated Airflow (SCFM)			Pleats Per Filter	Gross Media Area (Sq. Ft.)
		300FPM	500FPM	625FPM		
10 x 10 x 1	9 <sup>3</sup> / <sub>8</sub> x 9 <sup>3</sup> / <sub>8</sub> x 7 <sup>7</sup> / <sub>8</sub>	200	-	-	11	1.5
12 x 24 x 1	11 <sup>1</sup> / <sub>8</sub> x 23 <sup>3</sup> / <sub>8</sub> x 7 <sup>7</sup> / <sub>8</sub>	600	-	-	14	4.6
16 x 20 x 1	15 <sup>3</sup> / <sub>8</sub> x 19 <sup>3</sup> / <sub>8</sub> x 7 <sup>7</sup> / <sub>8</sub>	650	-	-	20	5.5
16 x 25 x 1	15 <sup>3</sup> / <sub>8</sub> x 24 <sup>3</sup> / <sub>8</sub> x 7 <sup>7</sup> / <sub>8</sub>	850	-	-	20	6.8
20 x 20 x 1	19 <sup>3</sup> / <sub>8</sub> x 19 <sup>3</sup> / <sub>8</sub> x 7 <sup>7</sup> / <sub>8</sub>	850	-	-	24	6.6
20 x 25 x 1	19 <sup>3</sup> / <sub>8</sub> x 24 <sup>3</sup> / <sub>8</sub> x 7 <sup>7</sup> / <sub>8</sub>	1050	-	-	24	8.2
24 x 24 x 1	23 <sup>3</sup> / <sub>8</sub> x 23 <sup>3</sup> / <sub>8</sub> x 7 <sup>7</sup> / <sub>8</sub>	1200	-	-	28	9.3
12 x 24 x 2	11 <sup>1</sup> / <sub>8</sub> x 23 <sup>3</sup> / <sub>8</sub> x 1 <sup>3</sup> / <sub>4</sub>	600	1000	-	15	9.4
16 x 20 x 2	15 <sup>3</sup> / <sub>8</sub> x 19 <sup>3</sup> / <sub>8</sub> x 1 <sup>3</sup> / <sub>4</sub>	650	1100	-	19	9.9
16 x 25 x 2	15 <sup>3</sup> / <sub>8</sub> x 24 <sup>3</sup> / <sub>8</sub> x 1 <sup>3</sup> / <sub>4</sub>	850	1400	-	19	12.4
18 x 24 x 2	17 <sup>3</sup> / <sub>8</sub> x 23 <sup>3</sup> / <sub>8</sub> x 1 <sup>3</sup> / <sub>4</sub>	900	1400	-	21	13.2
20 x 20 x 2	19 <sup>3</sup> / <sub>8</sub> x 19 <sup>3</sup> / <sub>8</sub> x 1 <sup>3</sup> / <sub>4</sub>	850	1500	-	24	12.5
20 x 24 x 2	19 <sup>3</sup> / <sub>8</sub> x 23 <sup>3</sup> / <sub>8</sub> x 1 <sup>3</sup> / <sub>4</sub>	1000	1650	-	24	15.0
20 x 25 x 2	19 <sup>3</sup> / <sub>8</sub> x 24 <sup>3</sup> / <sub>8</sub> x 1 <sup>3</sup> / <sub>4</sub>	1050	1750	-	24	15.7
24 x 24 x 2	23 <sup>3</sup> / <sub>8</sub> x 23 <sup>3</sup> / <sub>8</sub> x 1 <sup>3</sup> / <sub>4</sub>	1200	2000	-	28	17.6
12 x 24 x 4	11 <sup>1</sup> / <sub>8</sub> x 23 <sup>3</sup> / <sub>8</sub> x 3 <sup>3</sup> / <sub>4</sub>	600	1000	1250	11	12.8
16 x 20 x 4	15 <sup>3</sup> / <sub>8</sub> x 19 <sup>3</sup> / <sub>8</sub> x 3 <sup>3</sup> / <sub>4</sub>	650	1100	1400	14	14.0
16 x 25 x 4	15 <sup>3</sup> / <sub>8</sub> x 24 <sup>3</sup> / <sub>8</sub> x 3 <sup>3</sup> / <sub>4</sub>	850	1400	1750	14	17.5
18 x 24 x 4	17 <sup>3</sup> / <sub>8</sub> x 23 <sup>3</sup> / <sub>8</sub> x 3 <sup>3</sup> / <sub>4</sub>	900	1500	1900	16	19.4
20 x 20 x 4	19 <sup>3</sup> / <sub>8</sub> x 19 <sup>3</sup> / <sub>8</sub> x 3 <sup>3</sup> / <sub>4</sub>	850	1400	1750	18	18.3
20 x 25 x 4	19 <sup>3</sup> / <sub>8</sub> x 24 <sup>3</sup> / <sub>8</sub> x 3 <sup>3</sup> / <sub>4</sub>	1050	1750	2150	18	22.9
24 x 20 x 4	23 <sup>3</sup> / <sub>8</sub> x 19 <sup>3</sup> / <sub>8</sub> x 3 <sup>3</sup> / <sub>4</sub>	1000	1650	2100	21	22.6
24 x 24 x 4	23 <sup>3</sup> / <sub>8</sub> x 23 <sup>3</sup> / <sub>8</sub> x 3 <sup>3</sup> / <sub>4</sub>	1200	2000	2500	21	27.1
25 x 29 x 4	24 <sup>3</sup> / <sub>8</sub> x 28 <sup>3</sup> / <sub>8</sub> x 3 <sup>3</sup> / <sub>4</sub>	1500	2500	3150	25	33.5

(1) Additional sizes available in die cut:

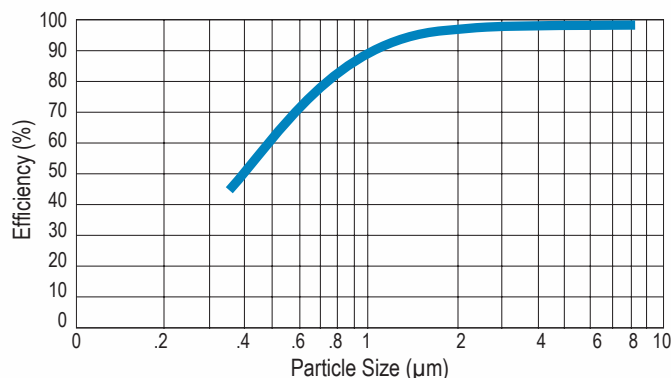
10 x 20 x 1    14 x 20 x 1    15 x 20 x 1    18 x 24 x 1    25 x 25 x 1    15 x 20 x 2    16 x 24 x 2    25 x 25 x 2  
 12 x 12 x 1    14 x 25 x 1    16 x 16 x 1    18 x 25 x 1    12 x 20 x 2    16 x 16 x 2    18 x 25 x 2    24 x 20 x 4

(2) Other standard size and special size MEGApleat® M13 filters are available in handmade construction assembled from four beverage board strips. The filters are stapled in each corner with the pleated media pack bonded to the inside of the frame. Special sizes are available in the same construction.

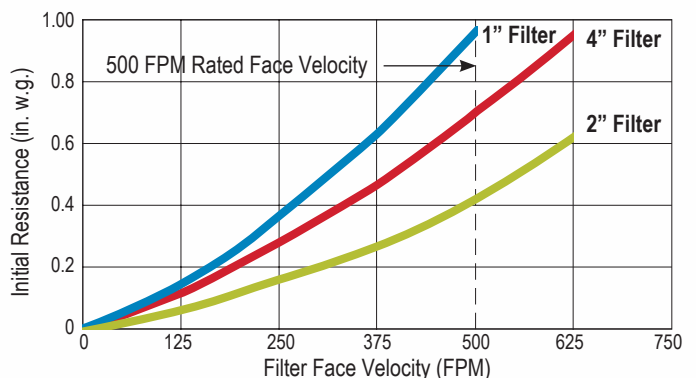
(3) Width and height dimensions are interchangeable. All MEGApleat® M13 filters may be installed with the pleats either vertical or horizontal.

### Performance Data

Composite Minimum Efficiency Curve



Initial Resistance vs. Filter Face Velocity



MEGApleat® M13 filters are UL Classified. Testing was performed according to UL Standard 900 and ULC-S111.

Recommended Final Resistance - 1.0 in. w.g.

Continuous Operating Temperature Limit - 200°F (93°C)

#### Asia Sales Office (www.aafasia.com)

American Air Filter Manufacturing Sdn. Bhd. (REGIONAL HQ)  
 AAF India Private Limited (Noida)  
 AAF India Private Limited (Bangalore)  
 AAF Singapore Pte. Ltd.  
 AAF International (Thailand) Co., Ltd.  
 AAF Australia Private Limited (Melbourne)  
 AAF Australia Private Limited (Sydney)  
 AAF Australia Private Limited (Brisbane)

Tel : +603 5039 7777  
 Tel : +91 1 20 327 2576  
 Tel : +91 80 2780 8278  
 Tel : +65 6897 0383  
 Tel : +66 2738 7788  
 Tel : +61 3 9769 0170  
 Tel : +61 2 9725 5443  
 Tel : +61 7 37 170 2222

Fax : +603 5511 8633  
 Fax : +080 2783 9904  
 Fax : +65 6897 0328  
 Fax : +66 2738 7516  
 Fax : +61 3 9798 8854  
 Fax : +61 7 3717 0299  
 Fax : +61 7 3717 0299

Email : customerservice@aafmal.com  
 Email : ashu@aafindia.net  
 Email : kumar@aafindia.net  
 Email : customerservice@aafasia.com  
 Email : aafthailand@aafthailand.com  
 Email : jim@aafaus.com  
 Email : blandford@aafaus.com  
 Email : nrichardson@aafaus.com

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