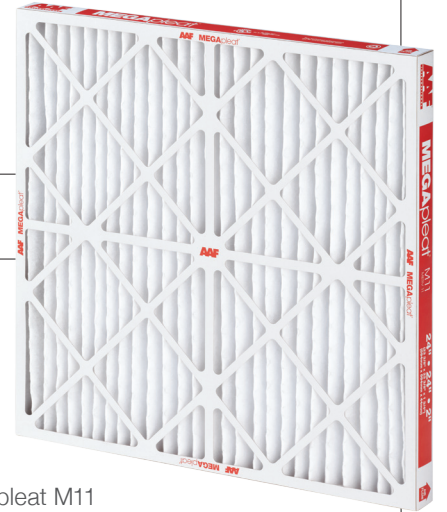


MEGApleat® M11

EXTENDED SURFACE PLEATED PANEL FILTER



- Premium performance and construction
- Synthetic, electrostatically charged media with high dust holding capacity
- Excellent as a final filter or prefilter
- 1", 2" and 4" models
- 4" filters are constructed with pleat stabilizers to ensure uniform spacing and increase rigidity
- Moisture-resistant adhesive
- MERV 11

Premium Construction and Performance

Designed to meet the demands of the toughest applications, the MEGApleat M11 filter offers a totally unitized, die-cut box, beverage board frame with double thickness in the perimeter wall. The MEGApleat M11 filter is extremely strong and durable under normal operating conditions.

The MEGApleat M11 filter 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 high 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 M11 filter 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.

To support the increased pleat depth of the 4" MEGApleat M11 filter, a pleat stabilizer is added to maintain proper spacing and improve dust holding, resulting in longer service life.

High Efficiency Media Captures More Fine Particulate

A MERV 11 rating requires a 65% to 80% efficiency on 1 – 3 micron particles and greater than 85% efficiency on 3 – 10 micron particles, when tested in accordance with ASHRAE Test Standard 52.2. The MEGApleat M11 filter meets and exceeds these requirements. Electrostatically charged media has a high initial efficiency and is particularly effective in capturing finer particulate.

Applications

The MEGApleat M11 filter 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 is required.

MEGApleat® M11

Product Information

⁽¹⁾ Standard Sizes ⁽²⁾ Nominal Sizes (inches) (W x H x D)	⁽²⁾ Actual Sizes (Inches) (W x H x D)	Rated Airflow (SCFM)			Pleats Per Filter	Gross Media Area (Sq. Ft.)
		300 FPM	500 FPM	625 FPM		
12 x 24 x 1	11 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x $\frac{3}{4}$	600	1000	—	14	4.6
16 x 20 x 1	15 $\frac{3}{8}$ x 19 $\frac{3}{8}$ x $\frac{3}{4}$	650	1100	—	20	5.5
16 x 25 x 1	15 $\frac{3}{8}$ x 24 $\frac{3}{8}$ x $\frac{3}{4}$	850	1400	—	20	6.8
20 x 20 x 1	19 $\frac{3}{8}$ x 19 $\frac{3}{8}$ x $\frac{3}{4}$	850	1400	—	24	6.6
20 x 25 x 1	19 $\frac{3}{8}$ x 24 $\frac{3}{8}$ x $\frac{3}{4}$	1050	1750	—	24	8.2
24 x 24 x 1	23 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x $\frac{3}{4}$	1200	2000	—	28	9.3
12 x 24 x 2	11 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 1 $\frac{3}{4}$	600	1000	1250	15	9.4
16 x 20 x 2	15 $\frac{3}{8}$ x 19 $\frac{3}{8}$ x 1 $\frac{3}{4}$	650	1100	1400	19	9.9
16 x 25 x 2	15 $\frac{3}{8}$ x 24 $\frac{3}{8}$ x 1 $\frac{3}{4}$	850	1400	1750	19	12.4
18 x 24 x 2	17 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 1 $\frac{3}{4}$	900	1500	1875	21	13.2
20 x 20 x 2	19 $\frac{3}{8}$ x 19 $\frac{3}{8}$ x 1 $\frac{3}{4}$	850	1400	1750	24	12.5
20 x 24 x 2	19 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 1 $\frac{3}{4}$	1000	1650	2100	24	15.0
20 x 25 x 2	19 $\frac{3}{8}$ x 24 $\frac{3}{8}$ x 1 $\frac{3}{4}$	1050	1750	2175	24	15.7
24 x 24 x 2	23 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 1 $\frac{3}{4}$	1200	2000	2500	28	17.6
12 x 24 x 4	11 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 3 $\frac{3}{4}$	600	1000	1250	11	12.8
16 x 20 x 4	15 $\frac{3}{8}$ x 19 $\frac{3}{8}$ x 3 $\frac{3}{4}$	650	1100	1400	14	14.0
16 x 25 x 4	15 $\frac{3}{8}$ x 24 $\frac{3}{8}$ x 3 $\frac{3}{4}$	850	1400	1750	14	17.5
18 x 24 x 4	17 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 3 $\frac{3}{4}$	900	1500	1900	16	19.4
20 x 20 x 4	19 $\frac{3}{8}$ x 19 $\frac{3}{8}$ x 3 $\frac{3}{4}$	850	1400	1750	18	18.3
20 x 25 x 4	19 $\frac{3}{8}$ x 24 $\frac{3}{8}$ x 3 $\frac{3}{4}$	1050	1750	2150	18	22.9
24 x 20 x 4	23 $\frac{3}{8}$ x 19 $\frac{3}{8}$ x 3 $\frac{3}{4}$	1000	1650	2100	21	22.6
24 x 24 x 4	23 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 3 $\frac{3}{4}$	1200	2000	2500	21	27.1
25 x 29 x 4	24 $\frac{3}{8}$ x 28 $\frac{3}{8}$ x 3 $\frac{3}{4}$	1500	2500	3150	25	33.5

(1) Additional sizes available in die cut:

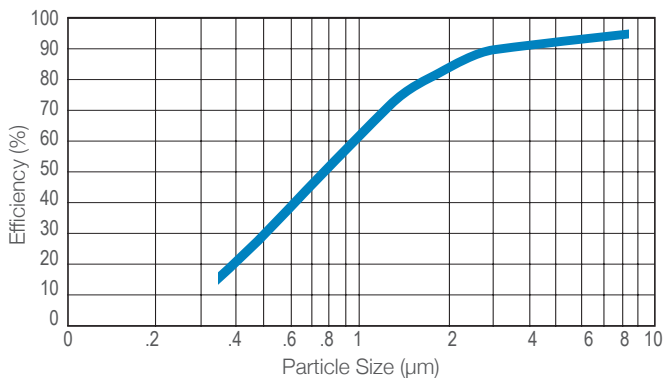
10 x 20 x 1 14 x 20 x 1 15 x 20 x 1 18 x 24 x 1 25 x 25 x 1 15 x 20 x 2 16 x 24 x 2 25 x 25 x 2
 12 x 12 x 1 14 x 25 x 1 16 x 16 x 1 18 x 25 x 1 12 x 20 x 2 16 x 16 x 2 18 x 25 x 2

(2) Other standard size and special size MEGApleat M11 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 M11 filters may be installed with the pleats either vertical or horizontal.

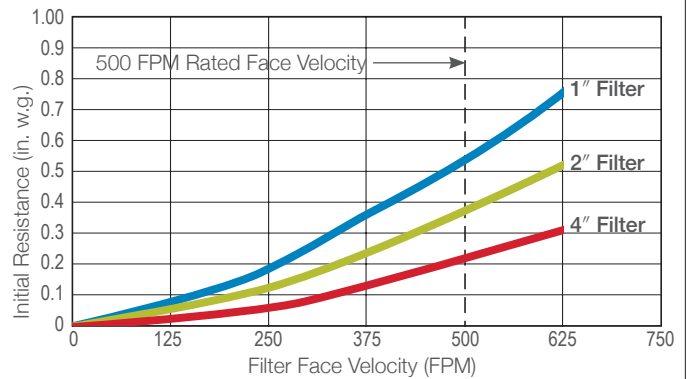
Performance Data

Composite Minimum Efficiency Curve



MEGApleat M11 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)

Initial Resistance vs. Filter Face Velocity



MEGApleat® is a registered trademark of AAF International in the U.S.



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AAF has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice.

ISO Certified Firm
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