



AmAir® 1100

MERV 11
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 have pleat stabilizer to ensure uniform spacing and increase rigidity**

PREMIUM CONSTRUCTION AND PERFORMANCE

Designed to meet the demands of the toughest applications, the AmAir 1100 offers a totally unitized, die-cut box, beverage board frame with double thickness in the perimeter wall. The AmAir 1100 is extremely strong and durable under normal operating conditions.

The AmAir 1100 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 AmAir 1100 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.

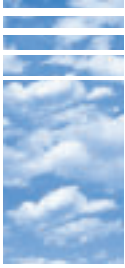
To support the increased pleat depth of the 4" AmAir 1100, a pleat stabilizer is added to maintain proper spacing and improve dust holding, resulting in longer service life.

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. AmAir 1100 meets and exceeds these requirements. Electrostatically charged media has a high initial efficiency and is particularly effective in capturing finer particulate.

APPLICATIONS

The AmAir 1100 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.



AmAir® 1100

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 Capacity (SCFM)			1100	
		300 FPM	500 FPM	625 FPM	Pleats Per Filter	Gross Media Area (Sq.Ft.)
10 x 10 x 1	9-3/8 x 9-3/8 x 7/8	200	350	—	11	1.5
12 x 24 x 1	11-3/8 x 23-3/8 x 7/8	600	1000	—	14	4.6
16 x 20 x 1	15-3/8 x 19-3/8 x 7/8	650	1100	—	20	5.5
16 x 25 x 1	15-3/8 x 24-3/8 x 7/8	850	1400	—	20	6.8
20 x 20 x 1	19-3/8 x 19-3/8 x 7/8	850	1400	—	24	6.6
20 x 25 x 1	19-3/8 x 24-3/8 x 7/8	1050	1750	—	24	8.2
24 x 24 x 1	23-3/8 x 23-3/8 x 7/8	1200	2000	—	28	9.3
12 x 24 x 2	11-3/8 x 23-3/8 x 1-3/4	600	1000	1250	15	9.4
16 x 20 x 2	15-3/8 x 19-3/8 x 1-3/4	650	1100	1400	19	9.9
16 x 25 x 2	15-3/8 x 24-3/8 x 1-3/4	850	1400	1750	19	12.4
18 x 24 x 2	17-3/8 x 23-3/8 x 1-3/4	900	1500	1875	21	13.2
20 x 20 x 2	19-3/8 x 19-3/8 x 1-3/4	850	1400	1750	24	12.5
20 x 24 x 2	19-3/8 x 23-3/8 x 1-3/4	1000	1650	2100	24	15.0
20 x 25 x 2	19-3/8 x 24-3/8 x 1-3/4	1050	1750	2175	24	15.7
24 x 24 x 2	23-3/8 x 23-3/8 x 1-3/4	1200	2000	2500	28	17.6
12 x 24 x 4	11-3/8 x 23-3/8 x 3-3/4	600	1000	1250	11	12.8
16 x 20 x 4	15-3/8 x 19-3/8 x 3-3/4	650	1100	1400	14	14.0
16 x 25 x 4	15-3/8 x 24-3/8 x 3-3/4	850	1400	1750	14	17.5
18 x 24 x 4	17-3/8 x 23-3/8 x 3-3/4	900	1500	1900	16	19.4
20 x 20 x 4	19-3/8 x 19-3/8 x 3-3/4	850	1400	1750	18	18.3
20 x 25 x 4	19-3/8 x 24-3/8 x 3-3/4	1050	1750	2150	18	22.9
24 x 20 x 4	19-3/8 x 23-3/8 x 3-3/4	1000	1650	2100	21	22.6
24 x 24 x 4	23-3/8 x 23-3/8 x 3-3/4	1200	2000	2500	21	27.1
25 x 29 x 4	24-3/8 x 28-3/8 x 3-3/4	1500	2500	3150	25	33.5

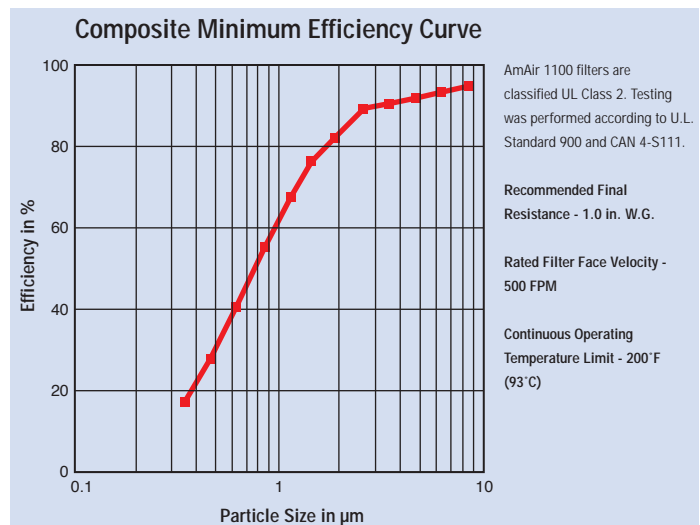
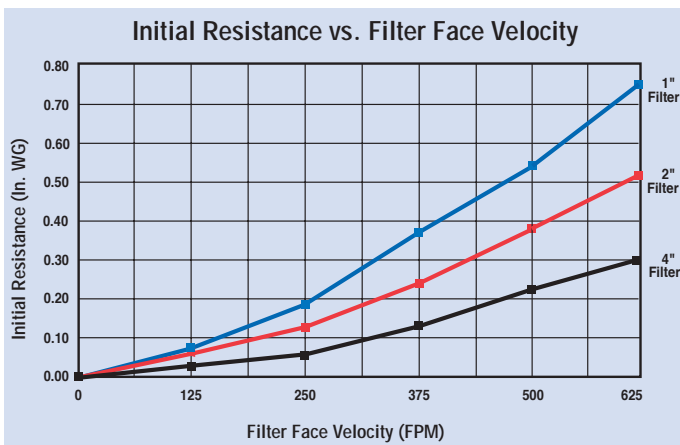
(1) Additional sizes available in die cut:

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	24 x 20 x 4

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

OPERATING DATA



AmAir 1100 filters are classified UL Class 2. Testing was performed according to U.L. Standard 900 and CAN 4-S111.

Recommended Final Resistance - 1.0 in. W.G.

Rated Filter Face Velocity - 500 FPM

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



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