AAF INTERNATIONAL

Better Air is Our Business®

AmericanAirFilter®

AmAir® 300X
AmAir® HT

1", 2" and 4" Extended Surface Pleated Panel Filters

- *Expanded metal pleat support grid (AmAir® 300X)*
- *High loft media increases dust holding capacity*
- *Excellent primary filter to prevent dust build-up on heating and cooling coils, fans, and ductwork*
- *Excellent prefilter for higher efficiency filters*
- *Directly interchangeable with disposable panel filters, media pads in metal frames, or permanent filters used in built-up filter banks and side access systems. No modifications are necessary to frames or latches*
- *4" filters have pleat stabilizers to ensure uniform spacing and increase rigidity (AmAir® 300X)*

AmAir® 300X filters meet the performance requirements of the most demanding applications.

AmAir® 300X

AmAir® 300X filters are constructed with AAF's totally unitized, double wall, die-cut box, beverage board frame. The media pack is bonded inside the frame at all points of contact. AmAir 300X filters are built rugged for durability and reliability under tough service conditions. AmAir 300X is rated MERV 7 (25-30% average ASHRAE efficiency).

Superior Strength

AmAir 300X filters are extremely strong and durable, with all components rigidly bonded into a totally unitized construction. They will not rack or deteriorate under normal operating conditions, including high moisture applications.

An expanded metal grid laminated to the air leaving side of the media creates more consistent pleat shape and maintains uniform pleat spacing. Expanded metal also increases the stability of the pleat pack, reducing media flutter during operation.

The media pack support retainers, which are an integral part of the frame, are bonded to the pleats on both the air entering and the air leaving sides. This increases rigidity and also helps maintain proper spacing between pleats for maximum dust holding capacity while minimizing resistance.

AmAir® HT High Temperature

AmAir® HT is designed for applications with continuous operating temperatures up to 500˚F (260˚C). AmAir HT is rated UL Class 1 with 30-35% average ASHRAE efficiency. The frame is an aluminized steel U-channel, with the media pack bonded to the inside on all four edges. An expanded aluminized steel faceguard is spot welded inside the frame on the air leaving side to retain the media pack at elevated temperatures. AmAir HT is made with micro-glass media.

AmAir® 300X
AmAir® HT

Product Information — [1]Standard Sizes

[2]Nominal Sizes (Inches) (W x H x D)	Actual Sizes (Inches) (W x H x D)	Rated Airflow Capacity (SCFM)			300X Pleats Per Filter	Gross Media Area (sq. ft.)	HT Pleats Per Filter	Gross Media Area (sq. ft.)
		300 FPM	500 FPM	625 FPM				
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 1/4	600	1000	1250	15	9.4	13	7.4
16 x 20 x 2	15 3/8 x 19 3/8 x 1 1/4	650	1100	1400	19	9.9	17	8.2
16 x 25 x 2	15 3/8 x 24 3/8 x 1 1/4	850	1400	1750	19	12.4	17	10.1
18 x 24 x 2	17 3/8 x 23 3/8 x 1 1/4	900	1500	1875	21	13.2	---	---
20 x 20 x 2	19 3/8 x 19 3/8 x 1 1/4	850	1400	1750	24	12.5	21	10.1
20 x 24 x 2	19 3/8 x 23 3/8 x 1 1/4	1000	1650	2100	24	15.0	21	12.0
20 x 25 x 2	19 3/8 x 24 3/8 x 1 1/4	1050	1750	2175	24	15.7	21	12.5
24 x 24 x 2	23 3/8 x 23 3/8 x 1 1/4	1200	2000	2500	28	17.6	25	14.3
12 x 24 x 4	11 3/8 x 23 3/8 x 3 3/4	600	1000	1250	11	12.8	11	14.0
16 x 20 x 4	15 3/8 x 19 3/8 x 3 3/4	650	1100	1400	14	14.0	14	14.9
16 x 25 x 4	15 3/8 x 24 3/8 x 3 3/4	850	1400	1750	14	17.5	14	18.5
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	18	19.1
20 x 25 x 4	19 3/8 x 24 3/8 x 3 3/4	1050	1750	2150	18	22.9	18	23.8
24 x 20 x 4	19 3/8 x 23 3/8 x 3 3/4	1000	1650	2100	21	22.6	18	22.9
24 x 24 x 4	23 3/8 x 23 3/8 x 3 3/4	1200	2000	2500	21	27.1	22	27.9
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 (AmAIr 300X):

10x20x1	14x20x1	15x20x1	18x24x1	25x25x1	15x20x2	16x24x2	25x25x2
12x12x1	14x25x1	16x16x1	18x25x1	12x20x2	16x16x2	18x25x2	24x20x4

(2) Other standard size and special size AmAir 300X 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, or can be made from standard size filters which are cut down and "capped" with beverage board strips.

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

Performance Data

	Pleats Per Lineal Foot	[1]Rated Initial Resistance (in. w.g.)			Recommended Final Resistance (in. w.g.)	[1]Rated Average Efficiency (%)	[1]Rated Average Arrestance (%)	Continuous Operating Temperature Limits	
		300 FPM	500 FPM	625 FPM				˚F	˚C
AmAIr 300X									
1"	14.0	.20	.45	---	1.0	25-30	90-92	200	93
2"	14.0	.13	.28	.44	1.0	25-30	90-92	200	93
4"	11.0	.12	.25	.36	1.0	25-30	90-92	200	93
AmAIr HT									
2"	13.0	.20	.43	.60	1.2	30-35	95-97	500	260
4"	11.0	.18	.40	.57	1.2	30-35	95-97	500	260

(1) All performance data is based on the ASHRAE 52.1-1992 test method. Performance tolerance conform to Section 7.4 or ARI Standard 850-93.

Underwriters Laboratories Classification
AmAir HT filters are classified UL Class 1. AmAir 300X filters are classified UL Class 2. Testing was performed according to UL Standard 900 and CAN -S111.