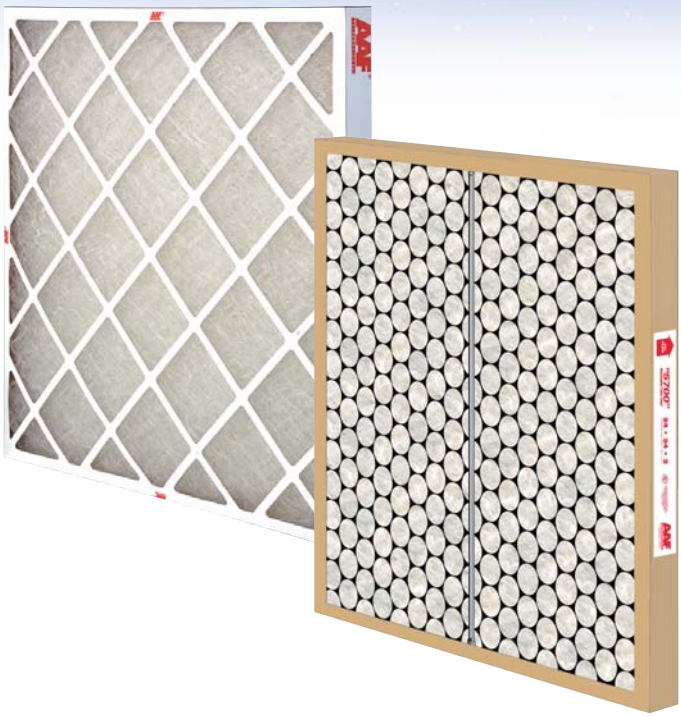
AAF INTERNATIONAL *Better Air is Our Business®*



AmericanAirFilter®

"5700"™

Heavy Duty Panel Filters

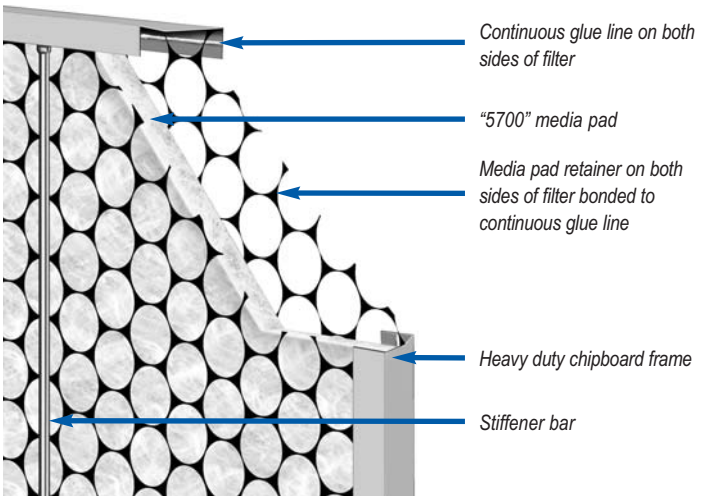
"5700" filters are designed for general air filtration in various types of industrial and commercial HVAC systems. Suitable for installation where dust loading conditions are particularly heavy, "5700" filters also serve as excellent prefilters for higher efficiency filters.

Heavy Duty Unitized Construction

"5700" filters are built for long-lasting service life in operating conditions where dust loading is heavy. 1" and 2" filters are completely hand assembled with a heavy duty, chipboard frame bonded to metal retainers placed on both sides of a dense fiberglass media pad. For additional rigidity, a stiffener bar is bonded to the frame in the center of both sides of the filter. The entire assembly is secured by taping over the frame.

An alternate 2" die-cut frame "5700" is also available for applications that do not require metal retainers. Two mating die-cut boxes are bonded together to form a double-wall construction, the media pad is sealed to the frame to prevent leakage. Media pad support retainers are bonded to the media on both sides to prevent pad slippage and increase dust holding capacity.

The media is manufactured from a dense pad of continuous filament glass fibers with a yellow tint on the air leaving side.



Cutaway diagram of standard "5700" filter

Exclusive Media Design Provides Cleaner Air and Longer Service Life

More Media Surface Area
"5700" filter media contains substantially more glass fibers per square foot than standard filters. More fibers provide greater surface area to catch large quantities of dirt particles.

Progressive Density Media Construction
This unique construction enables "5700" filters to hold more dirt throughout the entire depth of the media. The fibers on the air entering side are interlaced with a more open pattern which becomes progressively tighter towards the air leaving side.

When the media is clean, dirt particles penetrate deeper before being trapped. As the back of the media loads, particles are caught progressively closer to the air entering surface. This exclusive media design eliminates face loading and increases both arrestance (air cleaning capability) and dust holding capacity (service life).

Viscosine™ Adhesive
The glass fibers are heavily coated with AAF's exclusive Viscosine adhesive. The wicking action of the highly viscous adhesive enables it to cling to the fibers and thoroughly saturate each dirt particle. This means accumulated dirt will not break away and blow downstream.

Viscosine adhesive maintains its dirt-trapping characteristic over the life of the filter. It is also non-toxic, flame retardant, odorless, and completely safe to handle.

High Compression Strength
"5700" filter media is treated with AAF's specially formulated thermoset resin that forms a strong bond at each point where fibers intersect, resisting compression in the air stream. As the dirt load builds and resistance increases, the media maintains its thickness without collapsing or face-loading.

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"5700"™

Engineering Data

Standard Sizes

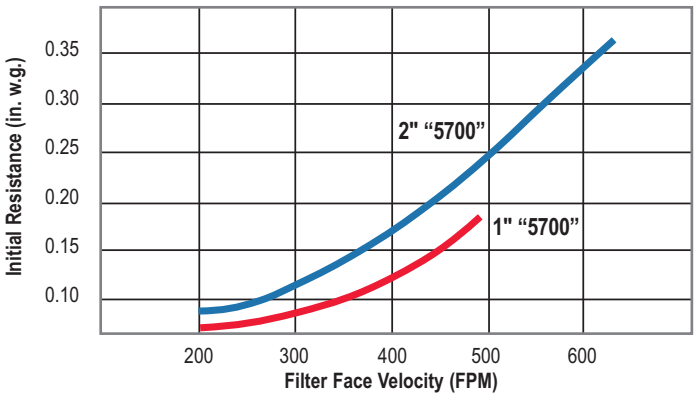
Nominal Size (Inches)	Actual Size (Inches)	Filters Per Carton	Shipping Wt. (Lbs. Per Carton)
16 x 20 x 1	15 7/16 x 19 7/16 x 15/16	12	6.5
16 x 25 x 1	15 7/16 x 24 7/16 x 15/16	12	8.0
20 x 20 x 1	19 7/16 x 19 7/16 x 15/16	12	8.0
20 x 25 x 1	19 7/16 x 24 7/16 x 15/16	12	10.0
24 x 24 x 1	23 7/16 x 23 7/16 x 15/16	12	11.0
12 x 24 x 2*	11 7/16 x 23 7/16 x 1 3/4	12	7.5
16 x 20 x 2*	15 7/16 x 19 7/16 x 1 3/4	12	7.5
16 x 25 x 2*	15 7/16 x 24 7/16 x 1 3/4	12	9.5
18 x 24 x 2*	17 7/16 x 23 7/16 x 1 3/4	12	10.0
20 x 20 x 2*	19 7/16 x 19 7/16 x 1 3/4	12	9.5
20 x 24 x 2*	19 7/16 x 23 7/16 x 1 3/4	12	11.5
20 x 25 x 2*	19 7/16 x 24 7/16 x 1 3/4	12	11.5
24 x 24 x 2*	23 7/16 x 23 7/16 x 1 3/4	12	12.5

*Available in die-cut frame.

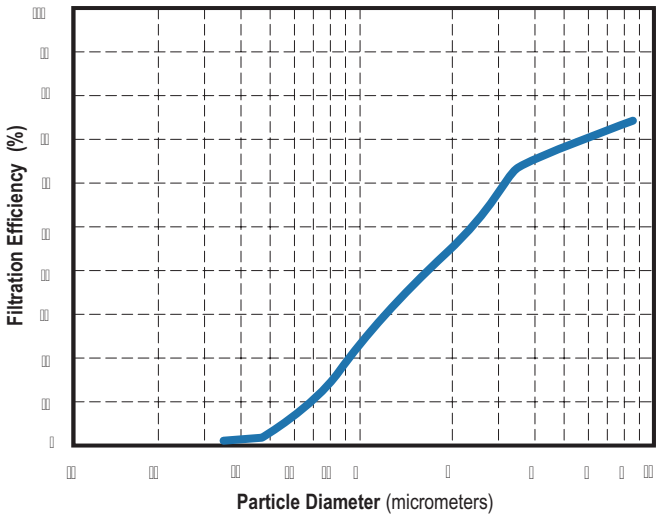
Performance Data

Rated Filter Face Velocity (FPM)	Filter Depth	Minimum Efficiency	(1)Rated Average Arrestance	(1)Rated Initial Resistance (in. w.g.)	Recommended Final Resistance (in. w.g.)
300	1"	MERV 7	80-85%	0.08	0.5"
	2"	MERV 7	80-85%	0.12	1.0"
500	2"	MERV 7	80-85%	0.25	1.0"

Initial Resistance vs. Filter Face Velocity



Composite Minimum Efficiency
Efficiency Vs. Particle Size



Extended Performance Capability

1" thick "5700" filters can be operated up to 500 FPM face velocity.
2" thick "5700" filters can be operated up to 625 FPM face velocity.

Operating Temperature Limits

"5700" filters are designed for continuous operating temperatures up to 150˚F (65˚C).

Underwriters Laboratories, Inc. Classification

"5700" filters are classified Class 2. Testing was performed according to UL Standard 900 and CAN 4-S111.

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ENERGY STAR PARTNER

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

ISO Certified Firm