



*Better Air is Our Business®*

## **AmericanAirFilter® StrataDensity®**

**Sturdy Economical  
Disposable Panel Filters**

Designed for general air filtration applications with light to medium dust loading conditions, StrataDensity disposable panel filters are engineered for sturdy, economical performance and ease of use. Available in a wide range of sizes and three thickness configurations, StrataDensity filters are used in all types of HVAC systems to protect the coils from dirt. They are also used as prefilters to extend the life of higher efficiency filters.

### **Industry's Leading Commercial Disposable Panel Filters**

#### **High Arrestance**

StrataDensity filters are constructed with AAF manufactured premium grade fiberglass media. More fibers ensure StrataDensity filters have higher arrestance and clean air better than competitive filters.

#### **High Dust Holding Capacity**

The media is coated with a light adhesive to increase the amount of dirt the filters can hold. Higher dust holding capacity means longer service life and lower operating costs.

### **Sturdy Construction, Longer Filter Life**

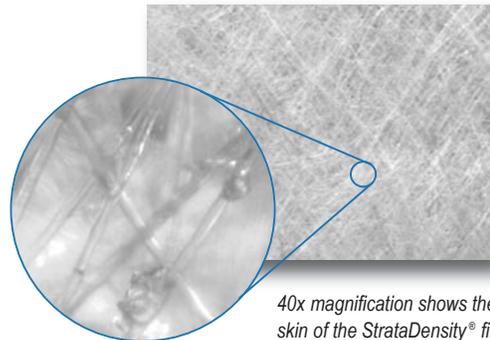
#### **Compression Resistant, Double-Skinned Media**

The double-skinned media design eliminates the need for scrim or metal retainers by building the strength requirements into the fiberglass. Through the use of computer automation, the fibers can now be spun in a pattern that actually duplicates the holding strength of scrim type retainers. The double-skinned fiberglass retainer also provides a better adhesive bond to the frame because it is spun into the media. This new technology has produced a superior product without additional cost.

Compression resistant glass fibers decrease media pad deterioration allowing a normal rise in resistance as the filter collects dirt particles. A slower rise in resistance extends the life of the filter.

#### **Frame Strength**

A continuous adhesive bond between the media pad and chipboard frame maximizes construction strength to reduce handling damage and permit longer service life.



*40x magnification shows the spun fiberglass skin of the StrataDensity® filter pad.*

### **Designed for Easy Handling and Disposal**

The chipboard filter frame, free of sharp edges, makes the panel easy to install and remove. After removal, the filter can be safely folded for compact disposal.



*Continuous filament glass fibers are drawn from a furnace onto a revolving drum to form a dense, interlaced mat.*

# AmericanAirFilter®

## StrataDensity®

### Ordering Information

#### Sizes and Options

StrataDensity panel filters are available in a wide range of standard sizes; 1" and 2" thickness. Filters made with 1/2" thick media are ordered as special sizes. Special sizes are available in 1/2", 1", and 2" thickness starting with 6" x 6" face dimensions. Standard sizes are listed in the table at right.

#### Packing/Shipping

All filters are packed 12 per carton. All sizes can be shipped UPS.

### Performance Data

#### Rated Initial Resistance (in. w.g.)

	1/2"	1"	2"
@ 300 FPM	.05	.10	.13
@ 500 FPM	NA	.20	.28
@ 625 FPM	NA	NA	.38

Recommended final resistance is .50" w.g. for each thickness. Performance tolerances conform to Section 7.4 of ARI Standard 850-93.

#### Underwriters Laboratories Classification

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

#### Operating Temperature Limits

StrataDensity filters are designed for continuous operating temperatures up to 150°F (66°C).

### Standard Sizes

Nominal Sizes (inches)	1" Thick Two-Sided Skin	2" Thick Two-Sided Skin
8 x 16	•	
8 x 20	•	
8 x 24	•	
8 x 30	•	
10 x 10	•	•
10 x 16	•	
10 x 20	•	•
10 x 24	•	
10 x 25	•	
10 x 30	•	
12 x 12	•	
12 x 16	•	
12 x 18	•	
12 x 20	•	•
12 x 24	•	•
12 x 25	•	
12 x 27	•	
12 x 30	•	
12 x 30 5/8	•	
12 x 36	•	
14 x 14	•	
14 x 20	•	•
14 x 22	•	
14 x 24	•	
14 x 25	•	
14 x 30	•	
15 x 20	•	•
15 x 25	•	
15 x 30	•	
15 x 30 5/8	•	
16 x 16	•	•
16 x 20	•	•
16 x 22 1/4	•	
16 x 24	•	•
16 x 25	•	•
16 x 30	•	
17 1/2 x 23 1/2	•	
18 x 18	•	
18 x 20	•	
18 x 24	•	•
18 x 25	•	
18 x 30	•	
19 x 27	•	
20 x 20	•	•
20 x 22 1/4	•	
20 x 24	•	
20 x 25	•	•
20 x 30	•	•
22 x 22	•	
24 x 24	•	•
24 x 24 (Actual Size)	•	
24 x 30	•	
25 x 25	•	•

Actual Thickness: 1/2"-1/2"; 1"-13/16"; 2"-1 3/4"

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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