



*Better Air is Our Business®*

## **AmericanAirFilter® HeavyDuty™**

***Sturdy, Economical, Disposable  
Panel Filters with Woven Glass Retainer***

Designed for general air filtration applications with light to medium dust loading conditions, AAF HeavyDuty disposable panel filters are engineered for sturdy, economical performance and ease of use. Available in a wide range of sizes and two thickness configurations, these filters are used in all types of HVAC systems to protect the coils from dirt and as prefilters to extend the life of higher efficiency filters. HeavyDuty filters offer superior strength and durability in any application.



### ***Disposable Panel Filters With Glass Retainer***

#### **High Arrestance**

HeavyDuty filters are constructed with heavy duty, premium grade fiberglass media, and have a skin on the air-entering and air-leaving sides. A woven glass retainer is bonded to the clean air side of each filter.

Premium grade fiberglass has more fibers to ensure HeavyDuty media offers higher arrestance and cleans the air better than competitive filters. Premium grade fiberglass also offers higher dust holding capacity which means longer service life and lower operating costs.

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

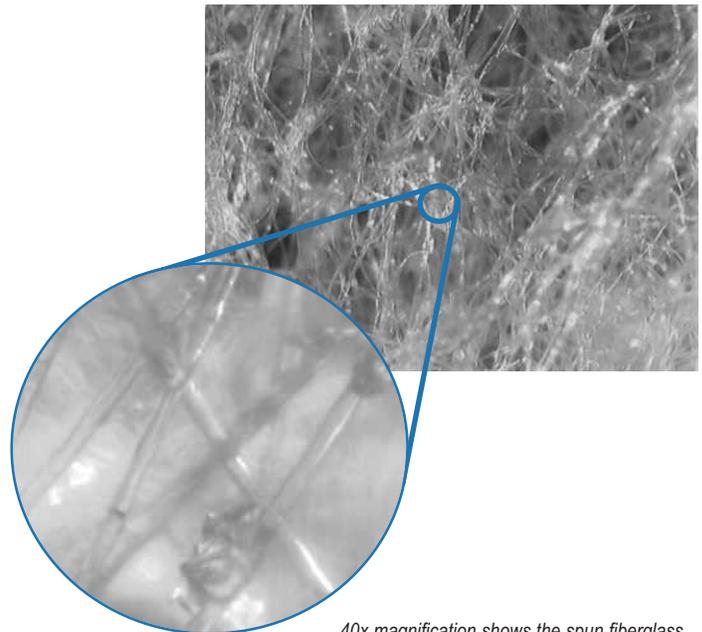
#### **Compression Resistant Media**

The woven glass retainer and skin provide excellent support for the fiberglass. The heavier construction of the fiberglass allows a better adhesive bond with the retainer.

Compression resistant glass fibers decrease media pad deterioration allowing a slower 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 recycled kraft frame maximizes construction strength to reduce handling damage and maintain structured integrity in operation.



*40x magnification shows the spun fiberglass skin of the HeavyDuty™ filter pad.*

#### **Woven Glass Retainers**

The woven glass retainers used on the HeavyDuty filters add strength to the filter assembly while maintaining a metal free product. The HeavyDuty panel filters are safer to handle than filters made with "bottlecap" retainers that break easily and have sharp points and edges that can cut fingers and hands. The bond strength of the glass retainer to the frame is also superior.

### Ordering Information

#### Sizes and Options

HeavyDuty panel filters are available in a wide range of standard sizes; 1" and 2" thickness. 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"
@300 FPM	.10	.13
@500 FPM	.20	.28
@625 FPM	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

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

#### Operating Temperature Limits

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

### Standard Sizes

Nominal Size (Inches)	1" Thick	2" Thick
8 x 16	•	
8 x 20	•	
8 x 24	•	
8 x 30	•	
10 x 10	•	•
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 30	•	
12 x 30 5/8	•	
12 x 36	•	
14 x 14	•	
14 x 20	•	•
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	•	
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 30	•	
25 x 25	•	•

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