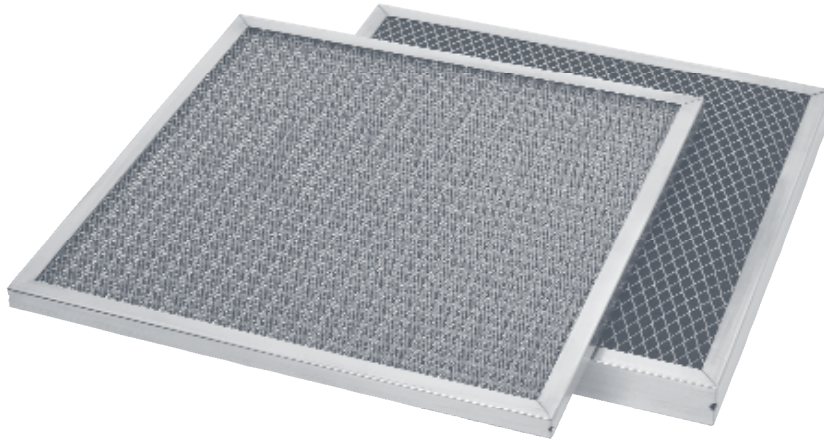


# HF SERIES

## TWO-STAGE FOAM & ALUMINUM FILTER



FILTERS AIRBORNE PARTICULATE



**Application:** The **HF SERIES TWO-STAGE FOAM and ALUMINUM FILTER** is designed to replace disposable air filters commonly used in residential, commercial and industrial HVAC applications to filter airborne particulate from the airstream, and it can be used dry or coated with Filter Coat. Placing filter foam behind an aluminum mesh pre-filter creates the unique two-stage design offering greater arrestance and efficiency over the traditional, all metal washable filter.

**Construction:** The HF Series filter uses an aluminum frame to enclose the media pack. The first stage of the media pack is an expanded aluminum grid, corrugated to increase its available surface area, followed by one or more layers of corrugated aluminum screen wire. These components are assembled in a criss-cross fashion for strength and serve to remove large airborne particulate. The second stage is made of 25 pores per inch (ppi) filter foam which removes smaller airborne particulate. The entire media pack is backed by an expanded aluminum supported grid on the air exit side of the filter. The frame is made with mitered corners and is secured with pop rivet(s).

AVAILABLE IN ONE ALLOY

## HFA

Aluminum

### PRODUCT HIGHLIGHTS

- Two-Stage Progressive-Density Design
- Uses 25 ppi Filter Foam for Greater Arrestance and Efficiency
- Lightweight
- Washable and Reusable
- Corner Drain Holes

### FAST FACTS

**LEAD TIME:**

5 Days

**MINIMUM ORDER:**

No Minimum Order

**SIZING OPTIONS:**

Standard and Special Sizes

*Please see reverse side for details.*

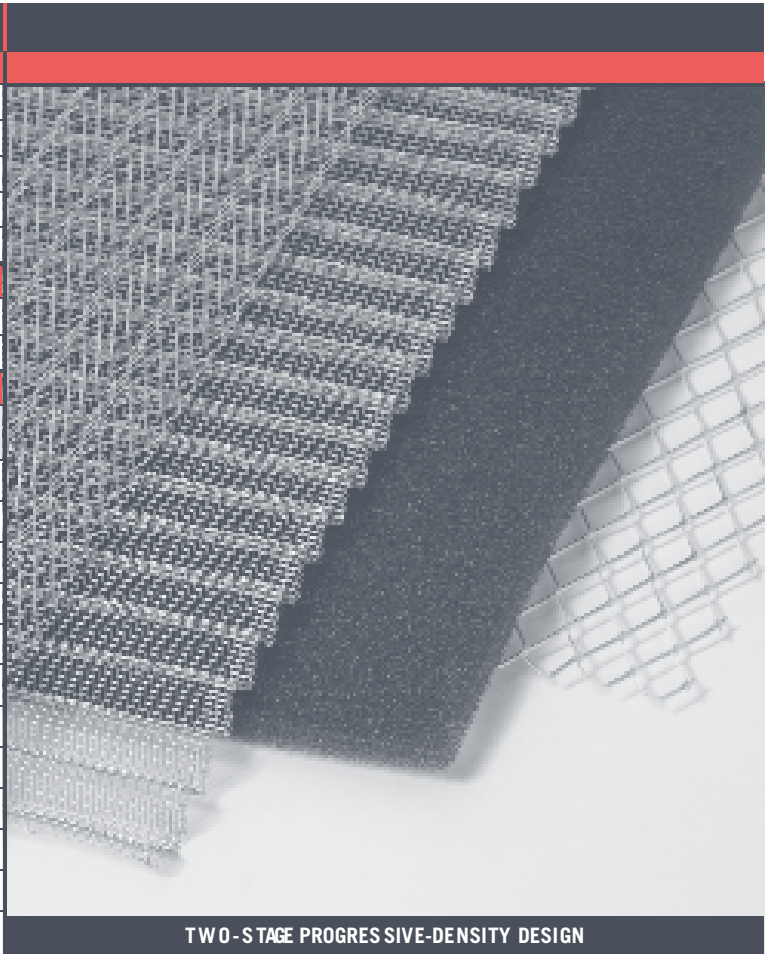
**CLASSIFICATION:**

UL 900 Class 2

Due to continuing research and development, we reserve the right to make modifications to any product.

# HF SERIES ~ Filter Selection Chart

MODEL	HFA		
<b>CONSTRUCTION</b>			
Frame Alloy	.030" aluminum		
Frame Thickness	1/2" exact; nominal* 1" and 2"		
Primary Stage Media	Expanded aluminum and screen wire		
Secondary Stage Media	25 ppi filter foam		
Backing Grid	Expanded aluminum		
<b>APPLICATION</b>			
Application	Airborne particulate		
Washability	Frequent and moderate		
<b>STANDARD SIZES</b>			
Nominal* Dimensions (H x W x T)	Part Number	Carton Quantity	Carton Weight
12 x 24 x 1	HFA101224	12	16.0
16 x 20 x 1	HFA101620	12	17.0
16 x 25 x 1	HFA101625	12	20.0
20 x 20 x 1	HFA102020	12	20.0
20 x 25 x 1	HFA102025	12	24.0
24 x 24 x 1	HFA102424	12	27.0
12 x 24 x 2	HFA201224	12	20.0
16 x 20 x 2	HFA201620	6	12.0
16 x 25 x 2	HFA201625	6	14.0
20 x 20 x 2	HFA202020	6	14.0
20 x 25 x 2	HFA202025	6	17.0
24 x 24 x 2	HFA202424	6	18.0



## HF SERIES NOTES

### SIZING INFORMATION

- \* What does Nominal mean? Standard size filters are of a nominal dimension. This means the height, width and thickness dimensions are undercut by a certain amount. See below for the exact amount of undercut for each dimension.
- Six standard nominal size filters are available in thicknesses of nominal 1" (actual 7/8") and nominal 2" (actual 1-3/4") and are 1/2" undercut on the height and width dimensions.
  - Special size filters are available in thicknesses of 1/2" exact, nominal 1" (actual 7/8") and nominal 2" (actual 1-3/4"). These filters must be purchased using the exact height, width and thickness dimensions to eliminate any confusion when ordering.  
*Link: [www.amfco.com/linkshvac/howto/specialsizes](http://www.amfco.com/linkshvac/howto/specialsizes)*
  - Tolerance on filter foam porosity:  $\pm 5$  ppi.
  - Tolerance height and width:  $\pm 1/8$ "
  - Tolerance thickness:  $\pm 1/32$ "

### CLASSIFICATION AND TEST NOTES

- The HF Series filter is listed as UL 900 Class 2 when used dry or with Filter Coat.
- The HF Series filter test results were obtained using 25 ppi filter foam.
- Recommended final resistance is 0.5" W.G.

### FILTER CLEANING AND COATING

- To clean a dirty filter, rinse it with a moderate-to-heavy stream of warm water. High-powered steam cleaning or chemical dips are unnecessary and not recommended. Re-spraying with Filter Coat after cleaning will help maintain the filter's efficiency.
- An HF Series filter is not supplied from the factory with filter adhesive coating. If desired, it may be sprayed before installation with Filter Coat, a water soluble adhesive and detergent. The adhesive helps to retain the airborne particulate, and when the filter is washed, the detergent helps to release the used adhesive and contaminants from the media pack.

### INSTALLATION CONSIDERATIONS

- The HF Series filter may be installed in HVAC systems vertically or horizontally.
- DO NOT place the filter in direct sunlight or ultraviolet light because this will degrade the filter foam.

### ADDITIONAL INFORMATION

- The 1/2" exact filter uses an .025" thick aluminum frame.
- The 1/2" exact filter is 4-ply and contains 1/4" thick filter foam.
- The nominal 1" (actual 7/8") filter is 4-ply and contains .025" thick 25 ppi filter foam.
- The nominal 2" (actual 1-3/4") filter is 6-ply and contains 1/2" thick 25 ppi filter foam.

