

# HK SERIES

## ALUMINUM FOIL FILTER



FILTERS LARGE AIRBORNE PARTICULATE AND COOLANT MIST



AVAILABLE IN TWO ALLOYS

### HKA

Aluminum

### HKG

Galvanized Steel

**Application:** The **HK Series Aluminum Foil Filter** is an impingement type panel filter designed for use in residential, commercial and industrial HVAC applications to remove large airborne particulate and coolant mist from the airstream. Popular applications include outside air intake ducts, rooftop economizer hoods and air handling units. It is an ideal solution for any HVAC system that desires a washable and durable pre-filter with low resistance to airflow.

**Construction:** The HK Series uses a metal frame to enclose the media pack consisting of multiple layers of corrugated aluminum foil and expanded metal assembled in a criss-cross fashion for strength. The pack is then placed between two layers of expanded metal and is made to fit firmly inside the frame giving the HK Series filter its exceptional strength and durability. The frame is made with mitered corners and is secured with pop-rivet(s). The frame has drain holes in three corners.

#### Filter Cleaning and Coating:

1. 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.
2. The HK 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. AMFCO does not sell Filter Coat nor any adhesive.

#### PRODUCT HIGHLIGHTS

- Better Average Arrestance
- Low Resistance to Airflow
- Washable and Reusable
- Corner Drain Holes

#### FAST FACTS

##### MINIMUM ORDER:

No Minimum Order

##### SIZING OPTIONS:

Standard and Special Sizes Available  
(See reverse side for details.)

##### CLASSIFICATION:

UL Classified 900

##### MAX TEMP:

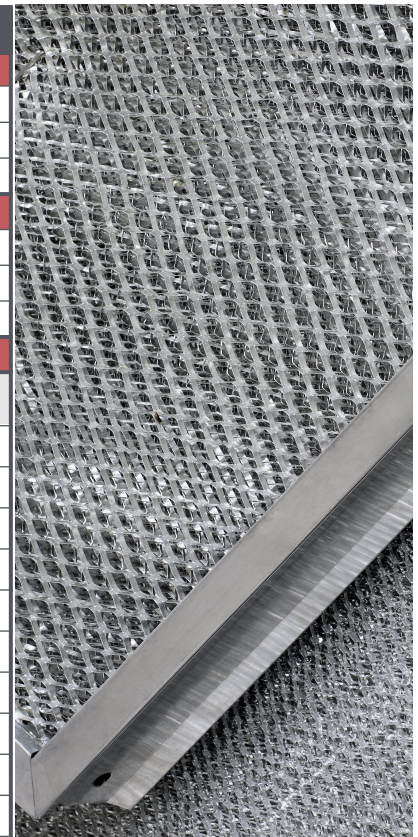
HKA – 200 Degrees F

HKG – 200 Degrees F

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

# HK SERIES ~ Filter Selection Chart

MODEL	HCA			HCG		
CONSTRUCTION	ALL ALUMINUM			ALL GALVANIZED STEEL		
Frame Alloy	.030" thick aluminum			24 Gauge galvanized steel		
Frame Thickness	1/2" exact; nominal* 1" and 2"			Nominal* 1" and 2"		
Media	Aluminum Foil /.020 expanded Alum			Aluminum Foil /.020 expanded Galv		
APPLICATION						
Application	Airborne particulate and coolant mist			Airborne particulate and coolant mist		
Max Operating Temperature	200°			200°		
Washability	Frequent and moderate			Frequent and moderate		
STANDARD SIZES						
Nominal* Dimensions (H x W x T)	Part Number	Carton Quantity	Carton Weight	Part Number	Carton Quantity	Carton Weight
12 x 24 x 1	HKA101224	12	18.0	HKG101224	12	39.0
16 x 20 x 1	HKA101620	12	19.0	HKG101620	12	41.0
16 x 25 x 1	HKA101625	12	21.0	HKG101625	12	48.0
20 x 20 x 1	HKA102020	12	21.0	HKG102020	12	45.0
20 x 25 x 1	HKA102025	12	27.0	HKG102025	12	55.0
24 x 24 x 1	HKA102424	12	29.0	HKG102424	12	60.0
12 x 24 x 2	HKA201224	12	25.0	HKG201224	12	45.0
16 x 20 x 2	HKA201620	6	12.0	HKG201620	6	24.0
16 x 25 x 2	HKA201625	6	14.0	HKG201625	6	28.0
20 x 20 x 2	HKA202020	6	15.0	HKG202020	6	27.0
20 x 25 x 2	HKA202025	6	18.0	HKG202025	6	33.0
24 x 24 x 2	HKA202424	6	20.0	HKG202424	6	36.0



**RIDGID, MULTI-LAYERED  
CONSTRUCTION**

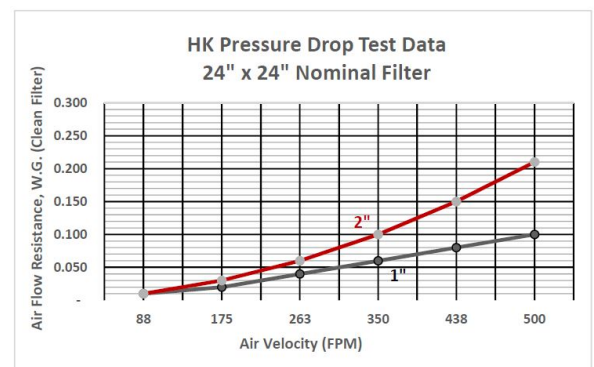
## HC SERIES NOTES

### SIZING INFORMATION

- \* What does Nominal mean? Standard size filters are of a nominal dimension. This means the height and width dimensions are undercut by a certain amount. See below for the exact amount of undercut for each dimension.
- \*\* Filter Thickness: 1/2" is exact, nominal 1" (actual 7/8") and nominal 2" (actual 1-3/4").
- 1. **Standard** nominal filters are 1/2" undercut on the height and width dimensions.
- 2. **Special** size filters are made to the exact height and width dimensions provided.
- 3. **Standard and Special** size filters are available in 1/2" exact (HKA only), nominal 1" (7/8" actual) and nominal 2" (Actual 1-3/4").
- 4. Tolerance height and width:  $\pm 1/8"$
- 5. Tolerance thickness:  $\pm 1/32"$

### CLASSIFICATION AND TEST NOTES

1. UL Classified 900
2. Rated Airflow: 350 fpm
3. Recommended Airflow Range: 300 – 500 fpm.
4. Dust Holding Capacity:
  - a. 1" depth: 40 grams per square foot
  - b. 2" depth: 45 grams per square foot
5. Average Arrestance:
  - a. 1" depth: 46%
  - b. 2" depth: 65%
6. Recommended final resistance is .50" W.G.
7. Independent test report available for performance details



### INSTALLATION CONSIDERATIONS

1. The HK Series filter may be installed in HVAC systems vertically or horizontally.

### ADDITIONAL INFORMATION

1. The 1/2" exact filter uses an .025" thick aluminum frame.
2. The 1/2" exact filter is 3-ply.
3. The nominal 1" (actual 7/8") filter is 3-ply.
4. The nominal 2" (actual 1-3/4") filter is 5-ply.