

# HK SERIES

## METAL WASHABLE FILTER



### FILTERS LARGE AIRBORNE PARTICULATE AND COOLANT MIST

**Application:** The HE Series Economizer Grade Filter is an impingement type washable panel filter designed for use in outdoor residential, commercial and industrial HVAC applications to remove large airborne particulate and coolant mist from the airstream. Popular applications include outside and make-up 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 HE Series uses a metal frame to enclose the media pack consisting of multiple layers of corrugated aluminum foil mesh and expanded metal, assembled in a criss-cross fashion for rigidity. 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 HE 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.

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

### AVAILABLE IN TWO FRAME ALLOYS

## HKA

Aluminium

## HKG

Galvanized Steel

### 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

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MODEL									
CONSTRUCTION	HKA			HKG					
Frame Alloy	.030" thick aluminum			24 gauge galvanized steel					
Frame Thickness	1/2" exact: nominal* 1" and 2"			Nominal* 1" and 2"					
Face Grids	24 gauge aluminum			30 gauge galvanized steel					
Media	Aluminum foil mesh			Aluminum foil mesh					
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	21.0			
16 x 20 x 1	HKA101620	12	19.0	HKG101620	12	22.0			
16 x 25 x 1	HKA101625	12	21.0	HKG101625	12	24.0			
20 x 20 x 1	HKA102020	12	21.0	HKG102020	12	24.0			
20 x 25 x 1	HKA102025	12	27.0	HKG102025	12	30.0			
24 x 24 x 1	HKA102424	12	29.0	HKG102424	12	32.0			
12 x 24 x 2	HKA201224	12	25.0	HKG201224	12	28.0			
16 x 20 x 2	HKA201620	6	12.0	HKG201620	6	15.0			
16 x 25 x 2	HKA201625	6	14.0	HKG201625	6	18.0			
20 x 20 x 2	HKA202020	6	15.0	HKG202020	6	18.0			
20 x 25 x 2	HKA202025	6	18.0	HKG202025	6	21.0			
24 x 24 x 2	HKA202424	6	20.0	HKG202424	6	23			

### SIZING INFORMATION

- \* **Nominal Frame Thickness:** 1/2" exact (HKA only), nominal 1" (7/8" actual), and nominal 2" (Actual 1-3/4").
  - \*\* **Nominal HxW Dimensions:** Standard size filters are of a nominal dimension. This means the height and width dimensions are undercut by a set amount.
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 stated on the purchase order.
  3. Tolerance height and width:  $\pm 1/8"$
  4. The 1/2" exact filter uses an .025" thick aluminum frame.
  5. The 1/2" exact filter is 3-ply.
  6. The nominal 1" (actual 7/8") filter is 3-ply.
  7. The nominal 2" (actual 1-3/4") filter is 5-ply.

### CLASSIFICATION & TEST NOTES

1. UL Classified 900
2. Rated Airflow: 350 fpm
3. Recommended Airflow Range: 300 – 500 fpm.
4. Dust Holding Capacity:
  - a. 1" thick: 40 grams per square foot
  - b. 2" thick: 45 grams per square foot
5. Average Arrestance:
  - a. 1" thick: 46% at rated airflow
  - b. 2" thick: 65% at rated airflow
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.

