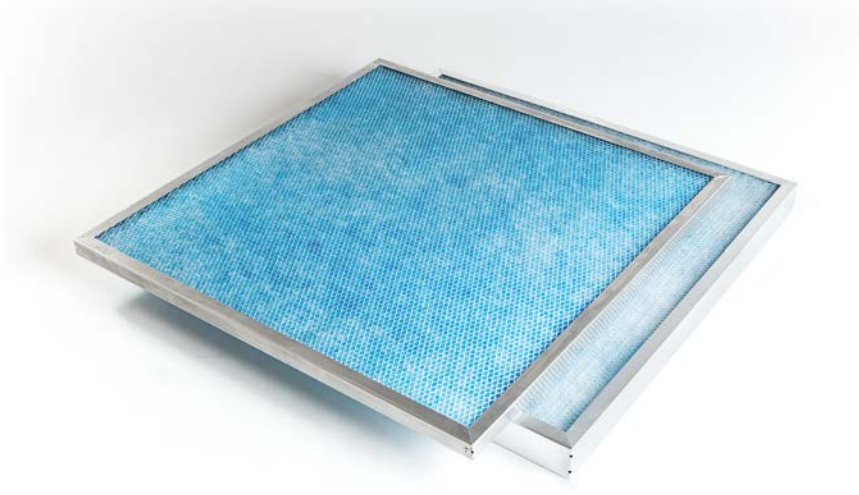


# EC SERIES

## ELECTROSTATIC FILTER



REPLACES NaturalAire ELECTROSTATIC AIR FILTER



AVAILABLE IN ONE ALLOY

## ECA

### Aluminum

**Application:** The EC Series Washable MERV 5 Electrostatic Filter is a permanent washable panel filter designed to replace disposable air filters commonly used in residential, commercial and industrial HVAC applications to remove airborne particulate from the air stream. It uses a “passive electrostatic” media combination which increases its initial efficiency to MERV 6. A polypropylene media generates an electrostatic charge as air passes through it, and airborne pollutants such as dust, pollen, mold, bacteria and lint particles are held in place until washed away. Corner drain holes prevent water and detergent from pooling when cleaning and, therefore, facilitate faster drying time. The EC Series is an ideal permanent filter solution for home heating, cooling and ventilation systems.

**Construction:** The EC Series uses a mill-finished aluminum frame to enclose an electrostatic media pack. The media pack includes one layer of polyester media and one layer of polypropylene between two expanded metal face guards. The pack is made to fit firmly inside the frame giving the filter 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. The EC Series should be cleaned every 30 days, or as often as necessary to maximize effectiveness. As with any filter, as dust loads its efficiency diminishes and air resistance increases, so a well-maintained filter will last longer and cost less.
2. To clean a dirty filter, rinse it with a moderate-to-heavy stream of warm water in the opposite direction of the airflow. Pre-soaking the filter in a solution of warm water and mild detergent prior to rinsing is acceptable. High-powered steam cleaning or chemical dips are unnecessary and not recommended.

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

### PRODUCT HIGHLIGHTS

- 85% Dust Arrestance
- Washable and Reusable
- Media Pack uses Static Electricity
- Low Pressure Drop
- 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:**  
150 Degrees F

# EC SERIES ~ Filter Selection Chart

MODEL	EC Aluminum		
<b>CONSTRUCTION</b>			
Frame Alloy	.030" mill-finish aluminum		
Frame Thickness	1/2" exact; nominal* 1" and 2"		
Electrostatic Media	Polypropylene		
Filter Media	Polyester		
Support Grid	Expanded aluminum		
<b>APPLICATION</b>			
Max Temp.	150 Degrees F		
<b>STANDARD SIZES</b>			
Nominal* Dimensions (H x W x T)	Part Number	Carton Quantity	Carton Weight
12 x 24 x 1	ECA101224	12	12.0
16 x 20 x 1	ECA101620	12	14.0
16 x 25 x 1	ECA101625	12	15.0
20 x 20 x 1	ECA102020	12	15.0
20 x 25 x 1	ECA102025	12	18.0
24 x 24 x 1	ECA102424	12	21.0
12 x 24 x 2	ECA201224	12	15.0
16 x 20 x 2	ECA201620	6	8.0
16 x 25 x 2	ECA201625	6	9.0
20 x 20 x 2	ECA202020	6	9.0
20 x 25 x 2	ECA202025	6	11.0
24 x 24 x 2	ECA202424	6	12.0



POLYESTER & POLYPROPYLENE

## E1 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, nominal 1" (7/8" actual) and nominal 2" (Actual 1-3/4").
  4. Tolerance height and width: ± 1/8"
  5. Tolerance thickness: ± 1/32"

### CLASSIFICATION AND TEST NOTES

1. UL Classified 900
2. Rated Airflow: 300 fpm
3. Acceptable Airflow Range: 250 – 350 fpm.
4. Initial Efficiency: MERV 6 at rated airflow
5. Dust Holding Capacity: 23 grams per square foot of face area (HxW)
6. Average Arrestance: 85% at rated air flow
7. Recommended final resistance is 1.00" W.G.
8. Independent test report available for performance details

### INSTALLATION CONSIDERATIONS

1. The EC 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 4-ply.
3. The nominal 1" (actual 7/8") filter is 4-ply.
4. The nominal 2" (actual 1-3/4") filter is 4-ply.

