

EC SERIES

ELECTROSTATIC AIR FILTER



MERV 6 INITIAL EFFICIENCY

Application: The EC Series Washable Electrostatic Air 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. 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 EC Series filter is not supplied from the factory with filter adhesive coating. It is not advisable to coat this filter with any adhesive coating.

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

**AVAILABLE IN
ONE ALLOY**

ECA

Aluminium

PRODUCT HIGHLIGHTS

- MERV 6 / 85% Dust Arrestance Efficiency
- Uses Static Electricity
- Low Resistance to Airflow
- Washable and Reusable

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:

ECA – 150 Degrees F

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MODEL										
CONSTRUCTION		ECA								
Frame Alloy		.030" thick aluminum								
Frame Thickness		1/2" exact: nominal* 1" and 2"								
Face Grids		24 gauge aluminum								
Media		Aluminum screen wire								
APPLICATION										
Application		Airborne particulate and coolant mist								
Max Operating Temperature		150°								
Washability		Frequent and moderate								
STANDARD SIZES										
Nominal** Dimensions (H x W x T)		Part Number	Carton Quantity	Carton Weight	Part Number	Carton Quantity	Carton Weight	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	18.0						
16 x 25 x 2		ECA201625	6	19.0						
20 x 20 x 2		ECA202020	6	19.0						
20 x 25 x 2		ECA202025	6	21.0						
24 x 24 x 2		ECA202424	6	24.0						

SIZING INFORMATION

- * **Nominal Frame Thickness:** 1/2" exact, nominal 1" (7/8" actual), 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. Please confirm prior to order.
 4. Tolerance height and width: ± 1/8"
 5. The 1/2" exact filter uses an .025" thick aluminum frame.
 6. The 1/2" exact filter is 4-ply.
 7. The nominal 1" (actual 7/8") filter is 4-ply.
 4. The nominal 2" (actual 1-3/4") filter is 4-ply.

CLASSIFICATION & TEST NOTES

1. UL Classified 900
2. Rated Airflow: 300 fpm
3. Recommended Airflow Range: 250 – 350 fpm.
4. Dust Holding Capacity:
 - a. 1" thick: 93 grams per square foot
 - b. 2" thick: 201 grams per square foot
5. Average Arrestance:
 - a. 1" thick: 85% at rated airflow
 - b. 2" thick: 84% at rated airflow
6. Recommended final resistance is .50" W.G.
7. Independent test report available for performance details

INSTALLATION CONSIDERATIONS

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

