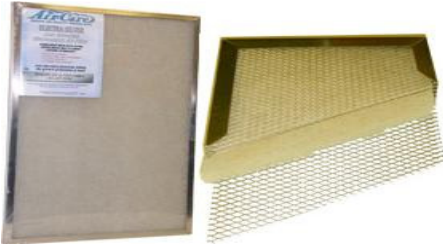


# TYPES OF FILTERS

## ELECTROSTATIC AIR FILTERS

Air-Care Electrostatic Air Filters clean the air by using static electricity, a safe, naturally occurring phenomenon. An electrostatic charge is generated by air flowing through a maze of static prone fibers. Airborne particles are attracted and held by the static charge until released by washing. All Air-Care Electrostatic Filters contain an EPA registered anti-microbial material to inhibit the mold and bacteria growth on the filter surface.



The **ELECTRA SILVER 8200** is designed to meet the special needs of some furnaces and air conditioners that require a very low resistance due to a limited return configuration. The 0.08 inch W.G. initial resistance of the Electra Silver 8200 will assure sufficient air flow to minimize concerns about freezing coils or overheating heat exchangers. The woven polypropylene layer with integral anti-microbial material provides 8 times more filtration than a disposable filter. The non woven polyester prefilter will maintain high arrestance even when soiled.



The **ELECTRA SILVER 9400** is designed to provide the highest arrestance available for the majority of furnaces and air Conditioners. The 0.12 inch W.G. initial resistance of the Electra Silver 9400 will perform best in systems configured with 1 square foot, or more, of filter area for each ton of air conditioning. Two layers of woven monofilament polypropylene with integral anti-microbial material provide 10 times more filtration than a disposable fiberglass filter. The deep loading center layer of non-woven polyester allows the Electra Silver 9400 to prolong the time between washings.



The **ELECTRA GOLD 9400** provides over 94% Arrestance in a premium quality Extruded Aluminum, Gold Anodized frame with a durable and attractive finish. At the heart of this filter are three layers of high arrestance material sandwiched between 2 layers of expanded steel. A special Impregnated black Polypropylene has an EPA registered anti-microbial material to inhibit mold and bacteria growth while the center non-woven layer retains debris in a maze of fibers designed to maximize air flow even when soiled. Rated by independent testing laboratory at over 94% peak arrestance, this filter has 10 times the arrestance of a disposable fiberglass filter.



The **ELECTRA GOLD 8200** has a premium quality Extruded Aluminum, Gold Anodized frame with a durable and attractive finish. It is designed to meet the special needs of some furnaces and air conditioners that require a very low resistance due to a limited return configuration. The 0.08 inch W.G. initial resistance of the Electra Silver 8200 will assure sufficient air flow to minimize concerns about freezing coils or overheating heat exchangers. The woven polypropylene layer with integral anti-microbial material provides 8 times more filtration than a disposable filter. The non woven polyester prefilter will maintain high arrestance even when soiled.



**Flexible frames** are available for applications where a rigid frame cannot be used. The standard flexible filter has the same construction and specifications as the Electra Silver 9400 except the expanded steel layer.

Flexible framed filters have a 1/2" polyester layer and an resin stiffener applied between 2 layers of polypropylene and a polypropylene webbing frame which is sewn around the edge. These 5/8" thick filters fit most 1" applications.

	Electra Gold 9400	Electra Gold 8200	Electa Silver 9400	Electra Silver 8200
Arrestance	94%	82%	94%	82%
Resistance	0.12	0.08	0.12	0.08
Frame Quality	Excellent	Excellent	Good	Good
UV Resistant	Yes	Yes	No	No

## STANDARD SIZES

This chart illustrates the standard sizes available for the Electrostatic Filters with Rigid Frames:

1" Rigid Frame Filters - 41 Stock sizes (Electra gold only available in 1")

8 x 24	12 x 12	14 x 14	15 x 20	16 x 16	18 x 18	19 x 27	21 x 21
10 x 10	12 x 20	14 x 20	15 x 25	16 x 20	18 x 20		
10 x 20	12 x 24	14 x 24		16 x 24	18 x 24	20 x 20	24 x 24
10 x 24	12 x 25	14 x 25		16 x 25	18 x 25	20 x 24	24 x 30
10 x 30	12 x 30	14 x 30		16 x 30	18 x 30	20 x 25	
	12 x 36			16 x 32	18 x 36	20 x 30	25 x 25
				16 x 36		20 x 32	

2" Rigid Frame Filters - 14 Stock sizes

10 x 20	14 x 20	15 x 20	20 x 20	24 x 24
12 x 20	14 x 24		20 x 25	
12 x 24	14 x 25	16 x 20	20 x 30	
	14 x 30	16 x 25		

**Notes:**

1. Sizes available up to 25x30x1 inches (Filters must be 25" or less on one side)
2. These are 'Nominal' sizes. The actual filter frame size will follow industry standard and be 3/8' undercut, i.e. a 12 x 20 will measure 11 5/8' x 19 5/8'. The width of the frames are 7/16', 7/8', and 1 3/4' for x 1/2, x 1, and 2 filters, respectively. Flexible frames are approximately 3/8" thick at the edges and 5/8" thick at the center.
3. Sizes up to 25x60x1 are available for extra cost - email us at [info@americanadc.com](mailto:info@americanadc.com) for details
4. Flexible framed filters conform to the same specifications as the rigid aluminum framed filters, but have sewn Polypropylene webbing frame.