



AE14 Series

ELECTRONIC AIR CLEANERS

CLEAN COMFORT™

INDOOR AIR ESSENTIALS

Indoor comfort in your home is about more than just adjusting the temperature on the thermostat. Many homeowners overlook the need for necessary components and systems that can improve the indoor air you breathe. Indoor air quality products and systems are quite frequently treated as accessories. We define them as indoor air essentials.



WHOLE HOME ELECTRONIC FILTRATION

FILTRATION



HUMIDITY CONTROL



PURIFICATION



VENTILATION



Breathe easier with the AE14 Series Air Cleaner

Protection you need

A central heating and cooling system offers just the basics with regard to enhanced indoor air quality for you and your family. Consider the fact that the Environmental Protection Agency (EPA) estimates that the air you breathe inside your home could be up to five times more polluted than the air outside your home¹. Beyond simply heating and cooling the air in your home, don't you want the best indoor air possible for your family? We make it a simple decision with Clean Comfort™ Indoor Air Essentials product solutions.

High efficiency filtration

The Clean Comfort brand AE14 Series Electronic Air Cleaner is a four-stage filtration system that powerfully attracts and traps solid and liquid airborne particles as small as 0.01 microns from the air in your home. The AE14 Series is well-suited for homes where high-efficiency air cleaning is desired but system air flow restriction is a concern (i.e., filtration issues due to undersized duct work within the central heating and cooling system).

Why buy an electronic air cleaner?

- Low energy consumption – The AE14 uses only 30 Watts of power and runs only when the system fan is operating.
- Lower airflow resistance than media air cleaners of similar cleaning performance.
- Easy to maintain – Washing the collector cells takes only 15 minutes every 3-4 months, restoring them to their original cleaning efficiency.
- Cabinet can easily be converted to a Clean Comfort brand AM Series Media Air Cleaner.

¹<http://www.epa.gov/region1/communities/indoorair.html>



A smart solution for cleaner air throughout your home

An AE14 Series Electronic Air Cleaner removes airborne particles by subjecting them to an electromagnetic field inside the air cleaner. This field is powerful enough to attract extremely small particles, including bacteria and viruses, and remove them from your home's inside air. In comparison, only very high-efficiency media air cleaners, such as those with HEPA filters, are effective at removing such small particles.

While the very small holes in a HEPA media's filter can remove very small particles, the drawback is a significant resistance to air flow through the HEPA filter. This means that HEPA air cleaners must be installed as bypass devices which treat only a portion of the home's air stream, where the AE14 treats the entire air stream, with models rated for up to 5 tons of capacity.

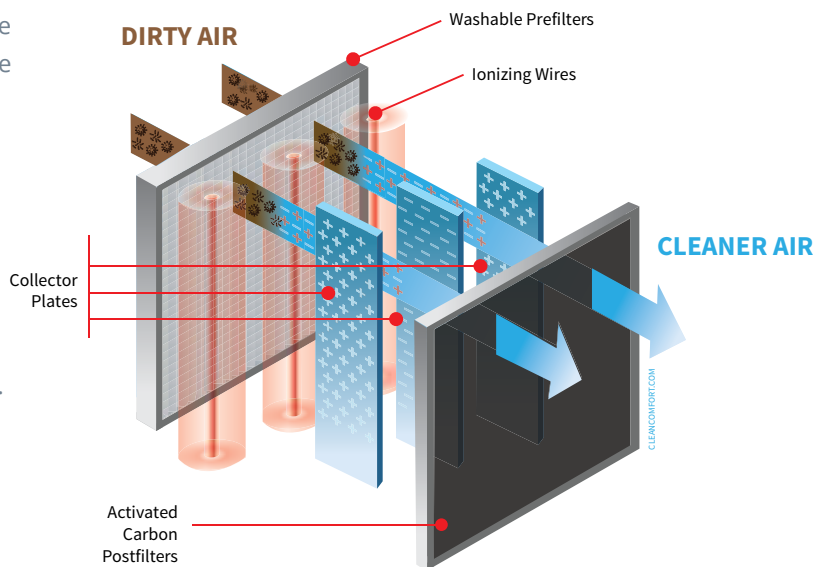
An attraction for indoor air contaminants

Electronic Air Cleaners work on the principle of Electrostatic Precipitation. Airborne pollutants are carried through the return air ducts of the heating/cooling system in your home and are treated with three stages of filtration.

1. Two, washable permanent prefilters capture large particles of dirt, lint and hair.
2. Two, dual-stage electronic filters charge incoming particles with an ionizing wire; these charged particles are then attracted to the collector plates where they're held until being washed off during routine maintenance.
3. Three, activated carbon postfilters then help remove airborne odors, chemicals and gases from tobacco and cooking smoke, household cleaners, carpet, and paints.

Maintenance of the AE14 Series Electronic Air Cleaner is very easy. It is recommended that you wipe the ionizing wires and wash the collector cells with DAX soap detergent (available through your HVAC dealer) every 3-4 months to restore air cleaning performance.

* Although there isn't a standardized performance rating system for electronic air cleaners, such as the MERV system used with media air cleaners, the effective filtration performance of the AE14 is MERV 14.



Additional Information

Before purchasing this appliance, read important information about its estimated annual energy consumption, yearly operating cost or energy efficiency rating that is available from your retailer.

Try our family of Clean Comfort brand products for your whole home //

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