



# BETTER than Fresh AIR™

**C**lean indoor air has never been more important. Poor Indoor Air Quality (IAQ) can cause and/or contribute to Asthma and other respiratory ailments that oftentimes lead to premature death, and it's the smallest of these particles known as Respirable Suspended Particles (RSPs) that pose the greatest health risk.

**W**e build high-efficiency air filtration systems that fit into virtually all forced air HVAC systems and remove 99% of RSPs from indoor air. We accomplish these startling results without running up your energy bill, and without the sparking, arcing and harmful ozone generation common to competitor's products.



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High Efficiency Electronic Air Filtration for all filter grille and furnace mount housings

## Poor indoor air quality is a growing health risk

Experts agree that the IAQ is anywhere from 7-10 times worse than the outdoor air. Combine that with the fact that most people spend about 90% of their time indoors, and you can see the problem. Airtight construction methods that emerged from the energy crisis of the 1970's allows less fresh air into homes which leads to dangerous levels of hazardous pollutants in the indoor air.

99% of RSPs are too small to be seen with the naked eye and 98% of these are smaller than 1 micron making them easily breathed into the lungs. Examples of these particles include ETS (environmental tobacco smoke), automotive exhaust, bacteria, fungi, pollens, pet dander, some viruses, and plant spores.

This problem is very real, it's serious, and it shouldn't be ignored. In one out of every three homes lives someone who suffers from allergies, asthma, or other respiratory ailments and these numbers are increasing exponentially. Research has confirmed that poor IAQ triggers asthma attacks, allergic reactions and other respiratory conditions.

## Removing RSPs will improve IAQ and your health

Improving IAQ is an important objective and the most effective strategy combines the internal HVAC system with a whole house, forced-air Electronic Air Cleaner (EAC) to clean 100% of the indoor air. The EPA and the publishers of a leading consumer magazine have determined that EACs are the *only practical* technology capable of removing RSPs from the indoor air stream.

## Conventional EACs before AspenAir

Virtually all conventional EACs are built using ionizing wires and metal plate technology. Some have added ionizing pins and collection media to this configuration. They collect roughly 81% to 96% of RSPs when first installed, but this drops significantly as the wires become coated with oxides. Other problems include sparking and arcing, ozone production, limited sizes, costly installations and difficult maintenance. Conventional EAC systems that can be installed in filter grille housings are extremely limited.

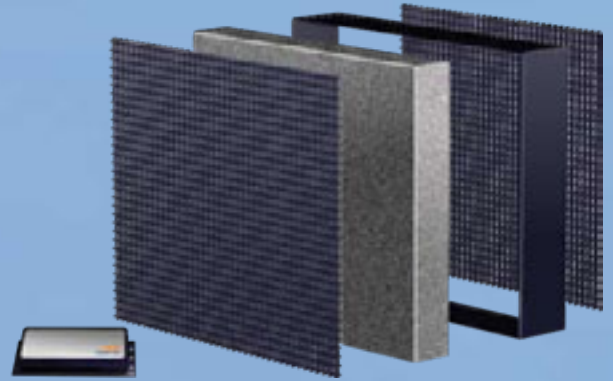


# AspenAir solves IAQ problems

We offer the most effective and efficient method to remove the unhealthy particulate matter from indoor air. Our filter grille and furnace mount systems are the only practical options available for high-efficiency, whole-house air filtration. They easily fit into filter grille and furnace mount housings and remove 99% of the unhealthy particulate matter, including RSPs, from indoor air.

## With AspenAir Inside you get:

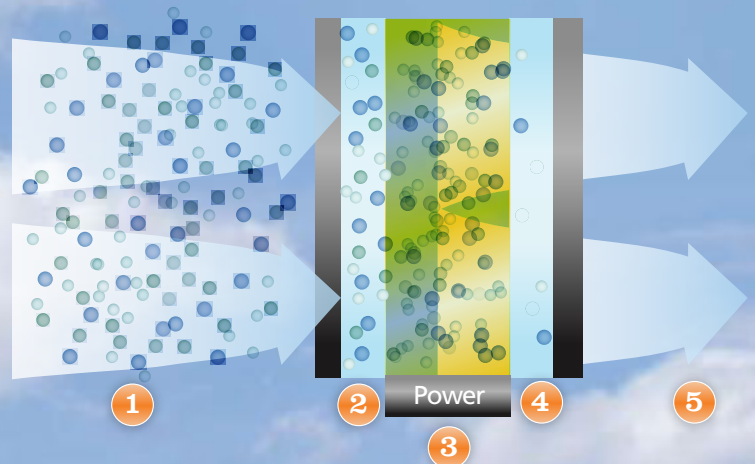
- Clean, healthy indoor air for your family
- Systems that integrate with your current or new HVAC system
- The most powerful electronic whole house air filtration systems available
- No wires to scrape, plates to scrub or surfaces to wash
- Easy maintenance – simply replace dirty media with pre-cut media every six months to a year
- No harmful ozone production
- Energy-efficient operation...less than 2 watts of power
- Simple, visible performance indicator provides assurance that system is working
- The benefit of a simple, straight-forward 5 year warranty



## It's in the Power Grids...

Our Power Grids are the first major technological breakthrough in electronic air filtration technology in over thirty years. They eliminate the need for ionizing wires, pins and metal plates.

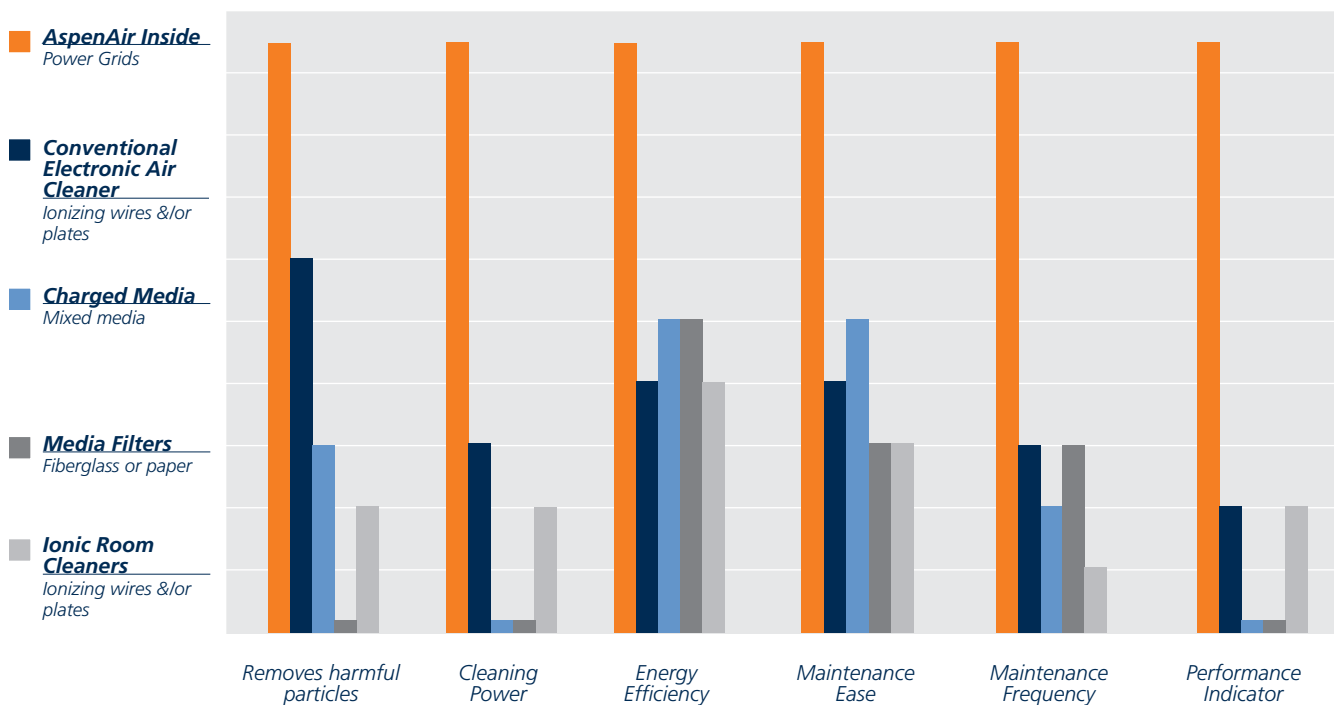
- 1 Dirty air is pulled into the AspenAir system via the central HVAC system
- 2 Particles flow through the front Power Grid
- 3 Everything between the power grids, the particles and the collection media, is polarized with 24,000 volts of opposite polarity power
- 4 Particles become strongly attracted to each other and to the collection media, and become attached
- 5 Air flowing through the oppositely-charged rear power grid is now clean and healthy AspenAir



# The AspenAir Advantage

## Technology Comparison

Product & Technology



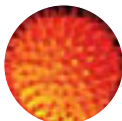
## AspenAir Filtration Efficiency:

Particle Size in microns

% of Capture by AspenAir Inside

**3.0 – above**

Pollen, mold spores, pet hair & dander



99%

**1.0 - 3.0**

Auto emissions, cooking oil, lead dust, fertilizers



99%

**0.3 – 3.0**

Respirable Suspended Particles



99%

**0.1 – 1.0**

Tobacco smoke, atmospheric dust, carbon particles, insecticide dust, most bacteria



99%

MERV Equivalency Rating - 16

## ‘Green’ means Clean and Healthy

If buying Green is important to you, then AspenAir is clearly the right choice. Green means low energy consumption and low operating costs. Combine this with 99% effectiveness removing RSPs and you have the best that Green technology has to offer. Perhaps that’s why AspenAir has attracted the attention of leaders in the Green Building industry.

## Why AspenAir Inside?

It’s all about quality of life, which may be hard to define, but who would argue that having clean, safe, healthy air to breathe should be high on the list? The experts agree that the IAQ in most homes is unhealthy and that removing RSPs from indoor air is both urgent and important. The decision to install AspenAir Inside your home is a long-term investment in your family’s health and happiness. We can’t think of a better investment.



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