

## Indoor Air Quality (IAQ)

On average, people spend 90% of their time indoors. According to the US Environmental Protection Agency, the air inside our homes is often two to five times more polluted than outside air. The air we breathe indoors can be polluted with microscopic particles of dust, pollen, mold, smoke, even viruses, and bacteria.

Ions play an essential role in the natural process of air purification.

Typically clean outdoor air contains 2,000 - 3,000 ions per cubic centimeter.

The highest concentration of ions can be found in areas of high energy like streams, rivers, and waterfalls.

The number of ions in a building utilizing natural ventilation typically drops below 500 ions per cubic centimeter. Buildings with ducted air conditioning systems may only measure ion levels in the range of 100 ions per cubic centimeter.

Phenomenal Aire™ generates billions of ions to create clean indoor air.

[www.RockMassServices.com](http://www.RockMassServices.com)

"Way better than my old UV system. No expensive light bulbs to change, ever!"  
-Julieta, Corona-CA



[www.TPIregistration.com](http://www.TPIregistration.com)



- Easy to install
- Requires periodic inspections
- No planned parts replacement
- Consumes minimal energy for operation
- Increases filter efficiency
- Eliminates static electricity
- 3-year warranty with electronic registration

Have Questions?

[Management@RockMassServices.com](mailto:Management@RockMassServices.com)



Authorized Distributor/Wholesaler

[www.RockMassServices.com](http://www.RockMassServices.com)

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## Phenomenal Aire RESIDENTIAL APPLICATION



Advanced IAQ Technology for the Built Environment  
Powered by Needlepoint Clusters™

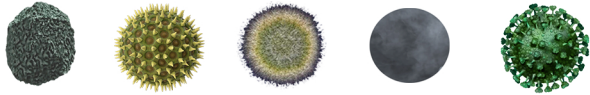
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## How the Technology Works

Phenomenal Aire™ is advanced IAQ technology for the built environment™. Phenomenal Aire™ utilizes needlepoint bipolar ionization technology and is designed for installation as individual IAQ devices or as modular ionization systems in residential heating ventilation and air conditioning systems (HVAC). The technology's air cleaning process enhances existing HVAC filtration, reducing airborne pollutants within the HVAC system and the occupied space.

### Effect on Air Pollutants

The air we breathe indoors can be polluted with microscopic particles of dust, pollen, mold, smoke, even viruses, and bacteria.



Phenomenal Aire™ produces ions to clean indoor air. The ions are generated by Needlepoint Clusters™ and released into the HVAC airstream. As the ions come in contact with particles they become bonded together. This process is known as agglomeration. The process occurs repeatedly. Particulates join to become clusters of particulates. Each time a particulate joins a cluster, the cluster grows making it easier to capture and filter from the air. Phenomenal Aire™ cleans air without creating harmful levels of ozone or other byproducts.

**Powered by CPG Needlepoint Clusters™**

**A single needlepoint cluster can generate 190 million ions**

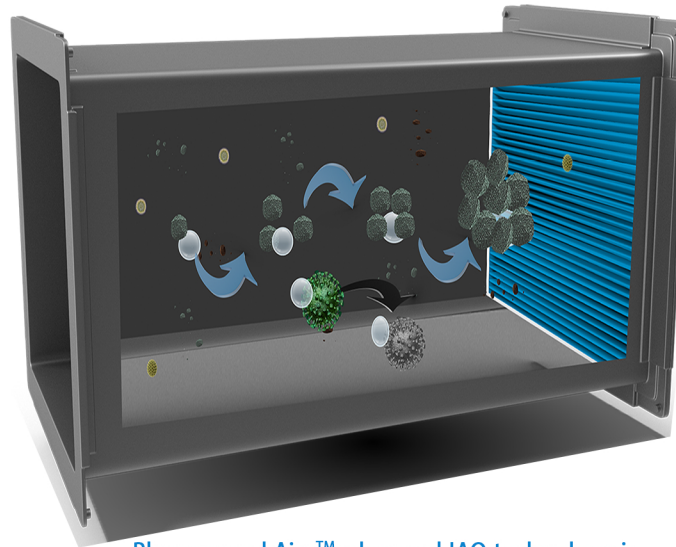


## Residential Product Line



Series D 1.2-1 & D 1.2-2	1,200 CFM ( 3 tons)	1,600 sq. ft
Series R 6.0	6,000 CFM (15 tons)	>1,600 sq. ft
Series R Universal	6,000 CFM (15 tons)	>1,600 sq. ft

The Phenomenal Aire™ residential product line is ETL listed and verified to produce no detectable ozone under UL standard 867.



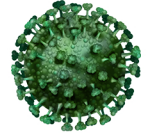
Phenomenal Aire™ advanced IAQ technology is designed for installation in residential HVAC systems.

## Proven Effective

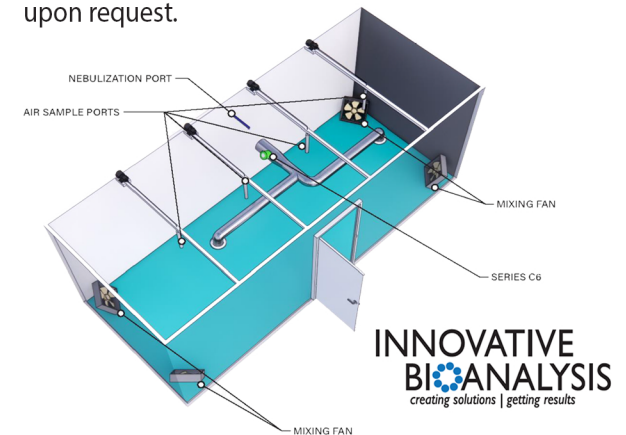
### Effect on Viruses.

Third party studies have shown that ions generated by needlepoint bipolar ionization can have an anti-microbial effect on certain viruses, like SARS-CoV-2, which ultimately leaves the virus inactive.

### 99.99% Reduction SARS-CoV-2



Recently independent testing conducted by Innovative Bioanalysis, (BSL-3 Laboratory), recorded a 99.99% reduction of the active SARS-CoV-2 virus after 60 minutes of exposure in aerosol form. The testing utilized a 20' x 8' x 8' chamber totaling 400 square feet with a displacement volume of 1,280 cubic feet. The chamber design emulated the environmental conditions of HVAC systems found in both residential homes and commercial buildings. The results of the 60-minute test verified that following a one-time release of the virus, 99.99% of it was inactivated at 60 minutes, 97.05% at 45 minutes, and 84.11% at 30 minutes. A full summary of the study can be provided upon request.



**INNOVATIVE BIOANALYSIS**  
creating solutions | getting results

The use of this technology is not intended to take the place of reasonable precautions to prevent the transmission of disease. It is important to comply with all applicable public health laws and guidelines issued by federal, state, and local governments and health authorities as well as official guidance published by the Centers for Disease Control and Prevention (CDC), including but not limited to social distancing, hand hygiene, cough etiquette, and the use of face masks.

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