



Phenomenal Aire

RESIDENTIAL APPLICATION



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

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.

Phenomenal Aire[®]

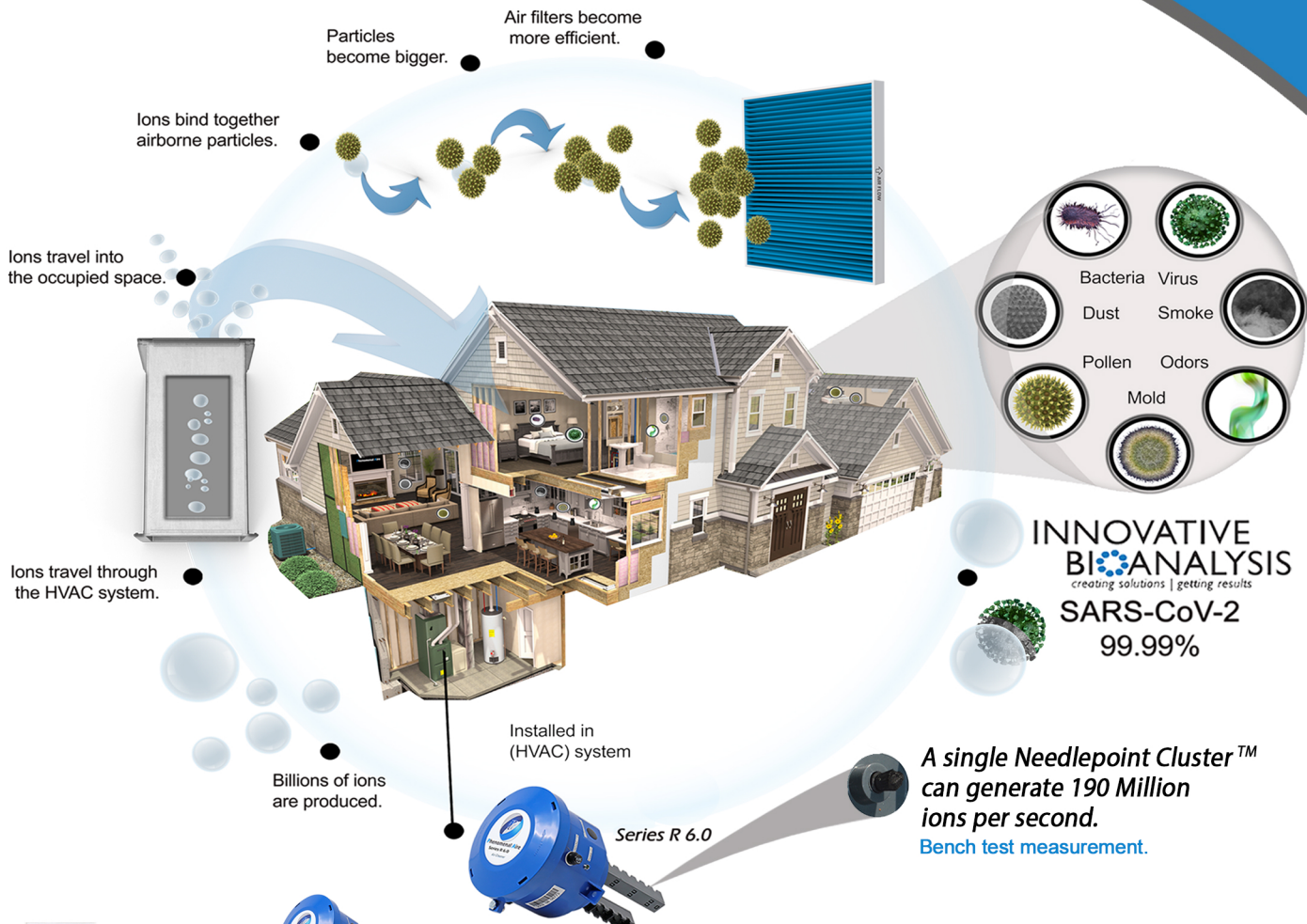
How it Works

Phenomenal Aire™ IAQ technology is designed to be installed in heating ventilation and air conditioning systems (HVAC). Phenomenal Aire™ produces ions to clean indoor air.

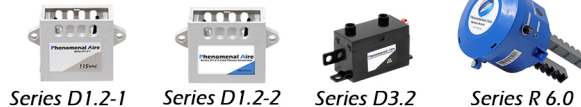
The ions are generated by Needlepoint Clusters™ and released into the HVAC airstream. As the ions come in contact with particles they bond together. This process is known as agglomeration. The process occurs repeatedly. Particulates join to become clusters of particulates. Each time a particulate joins 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.

The Phenomenal Aire™ residential product line complies with UL 2998 standards & CSA C22.2 No.187-20.



Watch the Video



Product	HVAC Applications	Airflow Capacity	Ion Generation ions/second	Voltage
D 1.2-1	Fan Coils, Heat Pumps, PTACs, Ductless Mini- Splits, Air Handlers	Up to 1,200 CFM (3 tons)	> 130 Million	115 / 120v
D 1.2-2	Fan Coils, Heat Pumps, PTACs, Ductless Mini- Splits, Air Handlers	Up to 1,200 CFM (3 tons)	> 130 Million	208 / 277v
D 3.2	Fan Coils, Heat Pumps, PTACs, Ductless Mini- Splits, Air Handlers	Up to 3,200 CFM (8 tons)	>350 Million	24v
R 6.0	Residential Splits, Heat Pumps, Furnaces, Package Units, Air Handlers	Up to 6,000 CFM (15 tons)	3 Billion	24v

Effect on Viruses

Recent 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.

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

-Julieta, Corona-CA



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*Smart Investment
Low cost operations*

- Only 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?

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