



Heating and Air Conditioning



INDOOR AIR QUALITY

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INDOOR AIR PURIFIER

Kills Viruses, Mold, Smoke, and Odors in your Home!



Heating and Air Conditioning



iWave R - Self-cleaning, maintenance-free air purifier

IMPROVING INDOOR AIR QUALITY

Are members of your family more susceptible to allergies or viruses in your home?
Have you noticed odors from pets, cooking or from your air conditioning system?
Are you tired of seeing sunbeams or tiny floating particles in the room?
Are static electricity shocks an issue in your home?

KILLS VIRUSES, MOLD, AND BACTERIA

Proven technology – over 100,000 installations
Actively purifies the whole house!
Reduces allergens, odors, smoke and particles
Maintenance free
No replacement parts
Self-cleaning design
Installs in any duct air conditioning system
Three-year warranty

ALSO AVAILABLE:



**iWave-V
Low-maintenance
air purifier**



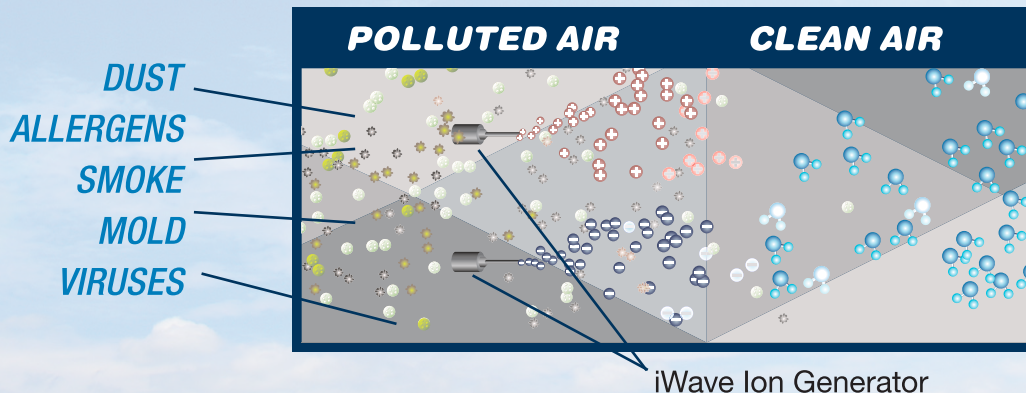
**iWave-C
Commercial-grade, Self-cleaning, maintenance-free
air purifier**



**iWave-M
Flexible ion-generating bar
that can treat IAQ in nearly
any HVAC application!**

PROVEN TO REDUCE PATHOGENS AND VIRUSES

Pathogen tests run using proprietary NPBI technology have shown the effectiveness of iWave™ products against the pathogens of COVID19. Testing was done in a 2 different types of environmental chambers in an effort to simulate realistic environments. The testing resulted in very high inactivation rates “in the space,” with reduction rates up to 99.4% in 30 minutes.





COVID-19 PATHOGEN TEST RESULTS

All tests were run using proprietary NPBI™ technology.

SARS-CoV-2 (COVID-19)

TIME IN CHAMBER **30 MINUTES**

RATE OF REDUCTION **99.4%**

INNOVATIVE
BIoANALYSIS

This test was run using the iWave-C (GPS-DM48-AC) in a test designed to mimic ionization conditions like that of a commercial aircraft's fuselage.

Based on viral titrations, it was determined that at 10 minutes, 84.2% of the virus was inactivated. At 15 minutes, 92.6% of the virus was inactivated, and at 30 minutes, 99.4% of the virus was inactivated.

Human Coronavirus 229E

TIME IN CHAMBER **60 MINUTES**

RATE OF REDUCTION **90%**

ALG
ANALYTICAL
LAB GROUP

This test was run in a test chamber in a lab setting with the Nu-Calgon iWave-R Air Purifier P/N 4900-20.

A petri dish containing a pathogen is placed underneath a laboratory hood, then monitored to assess the pathogen's reactivity to Needle Point Bi-polar Ionization (NPBI) over time. This controlled environment allows for comparison across different types of pathogens.

iWave's Needle Point Bi-polar Ionization (NPBI) technology is used in a wide range of applications across diverse environmental conditions. Since locations will vary, clients should evaluate their individual application and environmental conditions when making an assessment regarding the technology's potential benefits.



SCAN HERE WITH SMARTPHONE

TO SEE THE IWAVE IN ACTION



iWave Testing

on other airborne pathogens & viruses



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

EMSL Labs, a laboratory rated as “Elite” by the Center for Disease Control, has tested the effectiveness of iWave™ products against the pathogens listed below. All testing was done in a large environmental chamber in an effort to simulate a home environment. The testing resulted in very high kill rates “in the space,” as shown below.



	STAPH	About 25% of people normally carry Staph in the nose, mouth or other areas of the body. The foot is also very prone to picking up bacteria from the floor.	STAPH – Reduced 96.24% after 30 minutes of iWave purification
	MRSA	MRSA is a Staph germ that does not get better with first-line antibiotics. Once the Staph germ enters the body, it can spread to bones, joints, blood or any organ.	MRSA – Reduced 96.24% after 30 minutes of iWave purification
	E.COLI	E. coli is commonly found in the lower intestine of warm-blooded organisms. Most E.coli strains are harmless, but some serotypes can cause serious food poisoning in humans.	E.COLI – Reduced 99.68% after 15 minutes of iWave purification
	CLOSTRIDIUM DIFFICILE (C.DIFF)	C.diff bacteria release toxins that can cause diarrhea, with abdominal pain that can become severe. In rare cases, this can progress to a life-threatening condition.	C.DIFF – Reduced 86.87% after 30 minutes of iWave purification
	TUBERCULOSIS (TB)	TB most commonly affects the lungs but also can involve almost any organ of the body. Tuberculosis can usually be treated successfully with antibiotics.	TB – Reduced 69.01% after 60 minutes of iWave purification
	AIRBORNE MOLD SPORES	Airborne mold spores are invisible to the eye, and they can easily flow through different areas of the home, especially through heating and cooling system ducts, causing allergic reactions, asthma episodes, eye irritations, sinus congestion and other respiratory problems.	AIRBORNE MOLD SPORES – Reduced 99.5% by iWave purification as tested by Green Clean Air.
	LEGIONELLA PNEUMOPHILA	Legionella outbreaks are associated with large or complex water systems like those found in hospitals, hotels and cruise ships. Symptoms include coughing, shortness of breath, muscle aches, headache and fever. Most make a full recovery, but the CDC reports 1 out of 10 people who get the disease will die from the infection.	LEGIONELLA PNEUMOPHILA – Reduced by 99.71% from a solid surface after 30 minutes of iWave purification

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