



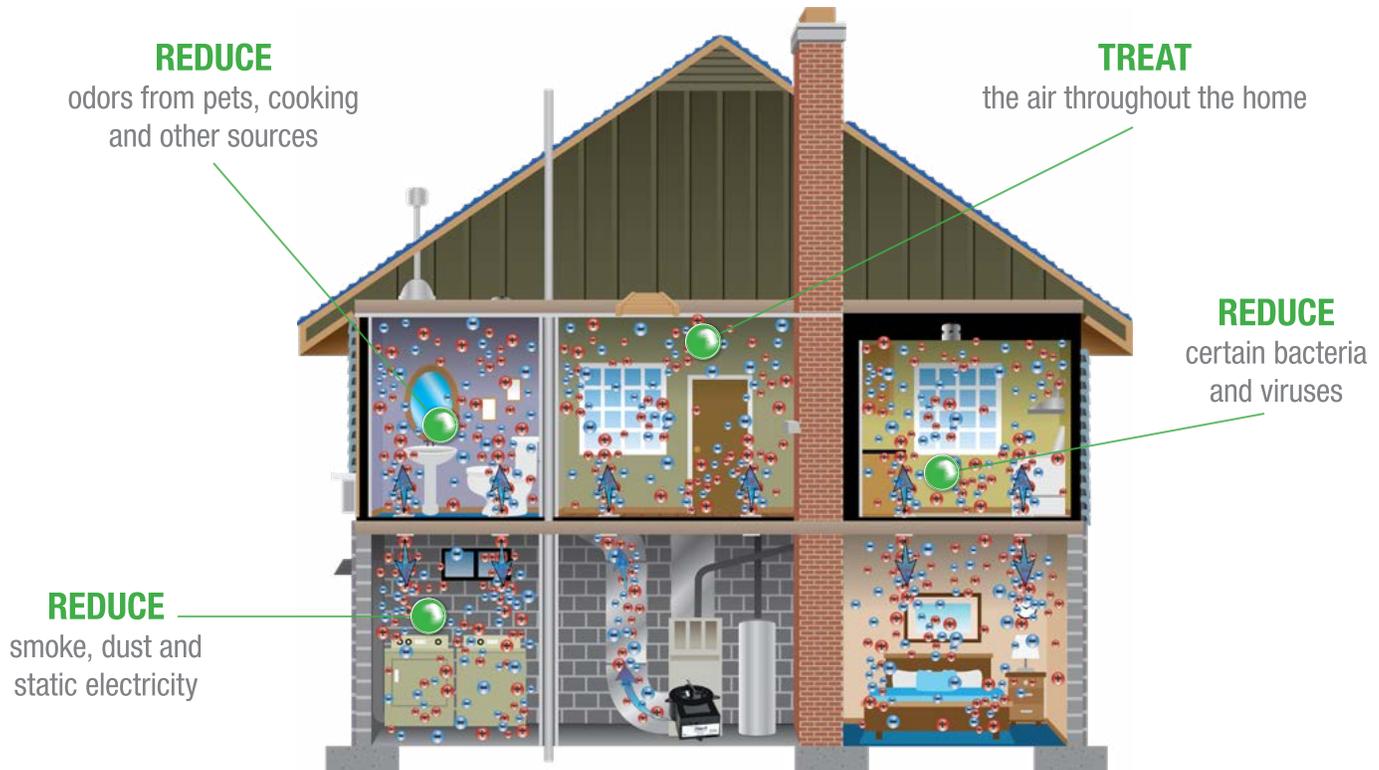
# iWave<sup>®</sup>

**BREATHE CLEANER, FRESHER AIR!**



# ARE YOU HAPPY WITH YOUR HOME

## iWAVE AIR IONIZATION SYSTEMS ADDRESS THESE ISSUES AND MORE...



## BREATHE CLEANER, FRESHER AIR!



Have you noticed odors from pets, cooking or from your air conditioning system?  
iWave reduces odors, smoke, static electricity and dust in the air.



iWave is validated to meet UL 867 ozone requirements.  
Unlike other devices, iWave requires no bulbs or replacement parts.



Are you happy with your home's indoor air quality?  
iWave reduces certain bacteria and viruses.



# E'S INDOOR AIR QUALITY? *iWave*

## HOW iWAVE WORKS

iWave is an air ionization system that utilizes needlepoint bi-polar ionization to create equal amounts of positive and negative ions. iWave installs in and functions with any air conditioning or heating system. When air passes over the iWave, ions produced by the device reduce certain bacteria and viruses, particles, smoke and odors in the air. When the ions are injected into the airstream, they also reduce certain VOCs, pollutants, and airborne gases.

### **Ions reduce certain bacteria and viruses**

As the iWave emits both positive and negative ions into the airstream, they will reduce certain viruses and bacteria. Contact with ions has microbicidal effects on certain viruses and bacteria, which ultimately disrupt their surface proteins and render them inactive.

### **Ions reduce VOCs and airborne particulate**

The ions emitted from the iWave ionization system also attach to particles like dust and dander, causing them to band together until they are large enough to be caught by your ventilation system's air filter.

### **Nature's technology**

iWave's technology generates the same ions that nature creates with lightening, waterfalls, and ocean waves, etc. Nature uses energy to break apart molecules, naturally cleaning the air and producing a healthy environment. The only difference between the iWave's technology and nature is that the iWave is validated to meet UL 867 ozone requirements.

## iWAVE ACTIVELY TREATS THE AIR IN RESIDENTIAL AND COMMERCIAL ENVIRONMENTS.



Actual coverage depends on installation and air flow.

# BREATHE CLEANER,

## WHO iWAVE HELPS

iWave benefits homes, as well as schools, restaurants, medical offices and other types of businesses.

iWave works to clean the air inside industrial, commercial and residential buildings. The patented technology uses positive and negative ions to address IAQ issues such as certain viruses and bacteria, VOCs, odors, and particulate.

iWave has been installed in thousands of buildings, including:

- Healthcare Facilities
- Gym and Athletic Facilities
- Manufacturing Facilities
- Higher Education
- Assisted Living Facilities
- Hotels and Resorts
- Military and Government
- Correctional Facilities
- Restaurants
- Recreational Facilities
- Places of Worship
- Residential Homes



# FRESHER AIR! *iWave*

## 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%

3<sup>RD</sup> Party  
LAB TESTED

This test was run using the iWave-C Air Purifier P/N 4900-10 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%

Human Coronavirus 229E is not SARS-CoV-2

3<sup>RD</sup> Party  
LAB TESTED

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 the virus is placed underneath a laboratory hood, then monitored to assess the pathogen's reactivity to Needlepoint Bi-polar Ionization (NPBI) over time. This controlled environment allows for comparison across different types of viruses.

**iWave's Needlepoint 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.**

**Please note that testing the reduction rate of SARS-Cov-2 and Human Coronavirus 229E with the iWave NPBI product is an evolving process and additional testing is anticipated to be conducted in the future. iWave products are not marketed as, nor cleared, by the FDA as a medical device.**

# BREATHE CLEANER,

## APPLICATIONS & FEATURES

Application	iWave-R 4900-20	iWave-V 4900-40	iWave-C 4900-10	iWave-M 4900-35
Residential Duct HVAC Systems	✓	✓	✓	
Light Commercial Duct HVAC Systems	✓	✓	✓	
Ductless Mini-Split A/C Systems				✓
VAV/VRF A/C Systems	✓	✓		✓
Ceiling Cassette Systems				✓
Bard HVAC Systems	✓	✓		✓

Features	iWave-R	iWave-V	iWave-C	iWave-M
Patented Self-Cleaning Technology	✓		✓	
No Replacement Parts Required	✓	✓	✓	✓
No Maintenance for Life of iWave	✓		✓	
Reduces Certain Bacteria and Viruses*	✓	✓	✓	✓
Controls Odor (Cooking, Pet, VOCs)	✓	✓	✓	✓
Prevents/Eliminates Dirty Sock Syndrome	✓	✓	✓	✓
Controls Particles in Air	✓	✓	✓	✓
Reduces Smoke	✓	✓	✓	✓
Reduces Static Electricity	✓	✓	✓	✓
Actively Reduces Certain Bacteria and Viruses* in Space (entire coil/living space)	✓	✓	✓	✓
Multi-Voltage Input (24-240VAC)	✓	24VAC	✓	110-240VAC
UL and cUL	Recognized	Recognized	Certified	Recognized
Universal Mounting	✓	✓	Duct Mounted	✓
Customizable Length				✓
Digital Display/Weatherproof Housing			✓	
Alarm Contact Option for Notification	✓		✓	
Replaceable Emitters	✓		✓	
Service Temperature Range	-40°F to 160°F	-40°F to 160°F	-40°F to 160°F	-40°F to 140°F
Three Year Limited Warranty	✓	✓	✓	✓

*The iWave-M and iWave-V require low maintenance. The emitters may require a wipe with damp cloth or compressed air from time to time to ensure ionizer tips are clear of particles. After power is turned off, the carbon bristles on the iWave-V should be looked at periodically (every time the air filter is replaced) to ensure they are clean for optimum performance.*

*\*Visit [iwaveair.com](http://iwaveair.com) for performance data.*

# FRESHER AIR! *iWave*

## AVAILABLE MODELS



**iWave-R**  
Self-cleaning air ionization system for residential systems



**iWave-C**  
Self-cleaning air ionization system for commercial and residential systems



**iWave-V**  
Low maintenance air ionization system for residential systems



**iWave-M**  
Mini flexible air ionization system for mini-splits and other systems

"...I purchased your product for the intention of getting rid of dog smell, dust and my wife's allergy problems. I want to inform you that all three complaints are 90-100% improved. My wife and I are very pleased with this product."

Service Manager —  
Dring Air Conditioning & Heating

"...I have to say the overall impact on what it accomplished was dramatic...I immediately noticed a difference in the smell, and within 24 hours, the smell was completely gone."

Dr. Jeff Young—Planned Pethood Plus

"...As someone who suffers with allergies and asthma, I have seen vast improvement in my health after installation...I can say that the energy savings in commercial applications and health benefits of the device appear to be well worth the cost."

Thomas—M&H Engineering LL

*The views or opinions expressed in these testimonials are not necessarily the same as Nu-Calgon and its employees.*

**iWave**

**See more testimonials at [iwaveair.com](http://iwaveair.com)**

**A quality product from**

 **Nu-Calgon**

**[WWW.IWAVEAIR.COM](http://WWW.IWAVEAIR.COM) [WWW.NUCALGON.COM](http://WWW.NUCALGON.COM)**

2611 Schuetz Rd • St. Louis, MO 63043 • 800-554-5499