

IS YOUR HOME'S INDOOR AIR QUALITY

iWAVE AIR PURIFIERS 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 safely treats the air, producing no ozone or harmful byproducts. Unlike other air purifiers, iWave requires no bulbs or replacement parts.



Are members of your family more susceptible to allergies or viruses in your home? iWave reduces allergens and kills mold, bacteria and viruses.

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MAKING YOUR FAMILY SICK?

iWave

HOW iWAVE WORKS

iWave is an air purifying device that installs in any air conditioning or heating system. When air passes over the iWave, ions produced by the device reduce pathogens, allergens, particles, smoke and odors in the air, creating a healthy environment without producing any harmful byproducts.

Needle-point bi-polar ionization

iWave uses needle-point bi-polar ionization to create equal amounts of positive and negative ions. When these ions are injected into the air stream and the breathable air space, they break down passing pollutants and gases into harmless compounds like oxygen, carbon dioxide, nitrogen and water vapor. The illustration below demonstrates this process.

Ions attack pathogens and allergens

When the ions come in contact with viruses, bacteria or mold, their reaction decomposes surface proteins of these pathogens, thereby inhibiting their activity. The ions also attach to allergens like pollen and other 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 does it without developing harmful ozone.



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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.

 Nu-Calgon

 southern
refrigeration
corporation

2611 Schuetz Rd • St. Louis, MO 63043 • 800-554-5499 • www.nucalgon.com • Calgon is a licensed trade name • (0520) 20-S151

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