LOW MAINTENANCE AIR IONIZATION SYSTEM FOR RESIDENTIAL AIR CONDITIONING SYSTEMS

- Needlepoint ionization actively treats air in the living space
- For systems up to 6 tons (2400 CFM)
- iWave is validated to meet UL 867 ozone requirements
- Installs in minutes with universal mounting options and integrated magnets
- Small compact design with no replacement parts
- Reduces certain bacteria and viruses*
- Reduces odors, smoke and other airborne particles
- Keeps coil cleaner longer
- UL and cUL recognized
- Three-year limited warranty

Indoor Air Quality

iWave®-V
Vortex Air Ionization System

Description
With the technology installed in over 200,000 applications worldwide, iWave-V is a low-maintenance, bi-polar, high-output ion generator designed specifically for treating air in residential duct A/C systems (but could be used in other air conditioning applications). As the air flows past the iWave-V, positive and negative ions actively treat the supply air, reducing certain bacteria and viruses* in the coil and living space. The ionization process also reduces smoke, odors (cooking, pet, VOCs), as well as other particles (no more sunbeams) in the air. iWave is validated to meet UL 867 ozone requirements.

Application
iWave-V treats the air in residential duct air conditioning systems up to 6 tons (2400 CFM) in size (or other appropriate A/C applications). Designed for universal mounting, the iWave-V typically installs inside or outside of duct, or attaches magnetically near the indoor fan. Install between air filter and cooling coil to treat the indoor coil; as an alternative, the iWave-V can be installed in supply air.

Specifications

Input Voltage:	24 VAC
Power (VA):	10 VA
Frequency:	50/60 HZ
System Size:	6 tons (2400 CFM)
Ion Output:	160 million ions/cc per polarity (320 million total ions/cc)
Dimensions:	4" Dia. X 2.5" H
Weight:	0.6 lb.
Electrical Approvals:	UL and cUL recognized
Service Temp. Range:	-40ºF to 160ºF

Packaging
1 each   **4900-40**

iWave-V Installation Instructions
1. Disconnect air handler power before installing.
2. Mount unit to fan inlet, internal wall duct or external duct.
3. Connect only 24 VAC nominal power. A dedicated power supply may be necessary.
4. Unit may be powered 24/7 or may be interlocked with fan – unit only purifies when air is flowing.
5. Red wire goes to 24 VAC; black wire goes to neutral or ground.
6. Green LED will illuminate when powered and there are no faults.
7. Do not touch carbon fiber brushes while powered!
8. **NOTE:** Make sure air flows across both brushes at the same time, like a football through a field goal post.
9. **CRITICAL:** Ensure all 24 VAC wiring stays away from carbon fiber brushes and is per NEC/local codes. Secure wires if necessary with wire/tape so they never move and touch brushes.
10. **CRITICAL:** Make sure the carbon fiber brushes are at least 2 inches away from anything metal and other wiring!
11. The best location to mount the device is after the particle filter and before the cooling coil. This ensures pathogens, mold and odors are controlled throughout the entire depth of the coil.
12. Leaving the fan in the "on" position will provide the best air purification results.
13. Unit has a 250 VAC/1A in-line fuse. If 24 VAC is confirmed and LED is off, then check the fuse.

Three-Year Limited Warranty - The iWave-V offers a limited warranty for three years that covers any defects in material or workmanship under normal use. If you make a claim during the warranty period, you must provide proof of purchase and proof of proper installation by a licensed contractor for the warranty to be valid. The iWave warranty does not cover labor, return shipping charges, damage from improper installation or improper voltage usage. The iWave warranty begins on the date that the unit was purchased. Installation of your iWave by any person other than a licensed contractor will void the warranty. Contact your local Nu-Calgon account manager or info@nucalgon.com with further questions.

*Visit iwaveair.com for performance data.