

Advantages of iWave Technology Over Two Common Market Approaches:

Feature	<i>iWave</i>	UVPCO Ionizers	UV Lights
Kills pathogens downstream?	Yes	Yes	Only line-of-sight pathogens
Controls odors?	Yes	Yes	No
Reduces airborne particles?	Yes	Poor	No
Replacement parts?	No	UV cell replaced every 1-2 years	Bulb replaced every 1-2 years
Self-cleaning options?	Yes	No	No
Performance	Self-cleaning provides continual peak performance	Fades with UV output	Fades with UV output
Harmful byproducts?	No	Creates ozone & other byproducts	Some bulbs emit ozone
Cleans entire depth of coil?	Yes	Yes	Cleans only one side
Mercury in airstream?	No	Yes	Yes
Energy required	< 10 watts	> 60 watts	> 60 watts
Universal voltage?	Most models	Most models don't	No
Robust construction?	Solid state design	UV bulbs can break	UV bulbs can break
UV material breakdown?	No	UV lights hard on materials	UV lights hard on materials
Contains Titanium Dioxide?	No	Some Models	No
Three Year Warranty	Yes	Replace parts in 1-2 years	Replace parts in 1-2 years

iWave

Products:



4900-20

iWave®-R

With technology installed in over 100,000 applications worldwide, iWave-R is the world's first self-cleaning, bi-polar ionization air cleaner specially designed for residential duct air conditioning systems up to 6 tons (2400 CFM) in size. Needle-point ionization actively treats air in the living space with no replacement parts, no maintenance and universal voltage (24-240VAC). It can mount easily inside or outside of duct in about 15 minutes, or it can attach magnetically near indoor fan. iWave-R always works at peak performance, producing over 160 million ions/cc, more than any interior air quality product on the market. Patent-pending self-cleaning design includes programmable cleaning cycle with alarm contact option. UL and cUL approved. Three-year limited warranty.



4900-30

iWave®-F

iWave-F is a flexible and highly versatile three foot ion-generating bar that can treat IAQ in nearly any HVAC application. Its revolutionary circuit bar with special ion-generating needles suitable for any HVAC cooling coil up to 48" wide. Plus, it can be shortened in the field to any size! Perfect for ducted package or ductless HVAC systems in living centers, hotels, commercial buildings, residential (including mini-splits), transport cooling coils or even in ice machines – applications where mold is an issue. Provides the highest level of ionization energy in the most compact size available on the market. UL and cUL approved with universal voltage (110-240VAC). Virtually maintenance free with no replacement parts. Produces over 240 million ions/cc per foot of flexible ribbon. Three-year limited warranty.



4900-35

iWave®-M

iWave-M is a flexible ion-generating bar that can treat IAQ in nearly any HVAC application. Its revolutionary circuit bar with special ion-generating needles suitable for any HVAC cooling coil up to 36" wide. Plus, it can be shortened in the field to any size! Perfect for ducted package or ductless HVAC systems in living centers, hotels, commercial buildings, residential (including mini-splits), transport cooling coils or even in ice machines – applications where mold is an issue. Provides the highest level of ionization energy in the most compact size available on the market. UL and cUL approved with universal voltage (110-240VAC). Virtually maintenance free with no replacement parts. Produces over 240 million ions/cc per foot of flexible ribbon. Three-year limited warranty.



4900-40

iWave®-V

With technology currently installed in over 100,000 applications worldwide, iWave-V is a versatile, low-maintenance bi-polar ionization generator for treating air in residential duct air conditioning systems up to 6 tons (2400 CFM) in size. Needle-point ionization actively treats air in the living space with low maintenance and no replacement parts. Produces over 160 million ions/cc, more than any other interior air quality product on the market. Requires only 15 minutes to install inside or outside of duct, or attach magnetically near indoor fan. UL and cUL approved. Three-year limited warranty.



iWave®-C

Although it can be used for residential applications, the original iWave-C is especially suitable for light commercial systems up to 12 tons (4800 CFM). iWave-C is a self-cleaning, bi-polar ionization generator for treating a building's air quality that does not require replacement parts in a year or two like competing technologies. iWave-C always works at peak performance, producing over 200 million ions/cc, making it superior to other market approaches. Special features include a programmable cleaning cycle, waterproof housing, digital display and integral alarm contact. Duct mount to air handler inside or outside of building. For systems larger than 12 tons, multiple iWave-C units can be applied. UL and cUL approved with universal voltage (24-240VAC). Three-year limited warranty.

4900-10

Application	iWave-R	iWave-V	iWave-C	iWave-F	iWave-M
Residential - Mini-Split A/C Systems				X	X
Commercial - VRF A/C Systems				X	X
PTAC Systems				X	X
Residential Duct HVAC Systems	X	X	X	X	X
Light Commercial Duct HVAC Systems			X	X	X
Transport HVAC Systems				X	X
Industrial HVAC Systems				X	X
Ice Machines to Reduce Mold in Cabinet				X	X
Features	iWave-R	iWave-V	iWave-C	iWave-F	iWave-M
Patented Self-Cleaning Technology	X		X		
No Replacement Parts	X	X	X	X	X
No Maintenance	X	*	X	*	*
Kills Mold, Bacteria, and Viruses	X	X	X	X	X
Controls Odor (Cooking, Pet, VOCs)	X	X	X	X	X
Reduces Allergens	X	X	X	X	X
Prevents/Eliminates Dirty Sock Syndrome	X	X	X	X	X
Controls Particles in Air	X	X	X	X	X
Reduces Smoke	X	X	X	X	X
Reduces Static Electricity	X	X	X	X	X
Actively Treats Pathogens in Space (entire coil/living space)	X	X	X	X	X
Universal Voltage (24-240VAC)	X	24VAC	X	110-240VAC	110-240VAC
Universal Mounting	X	X	Duct Mounted	X	X
Customizable Length				X	X
Digital Display/Weatherproof Housing			X		
Alarm Contact Option for Notification	X		X		
Replaceable Emitters	X		X		
Service Temperature Range	-40°F to 160°F	-40°F to 160°F	-40°F to 160°F	-40°F to 140°F	-40°F to 140°F
Limited Three Year Warranty	X	X	X	X	X

* The iWave-F, iWave-M, and iWave-V require low maintenance. The emitters may require a wipe with damp cloth 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.