

## IonAir EC1500 Series

The IonAir EC1500 is the world's most powerful bipolar ionization device. Based on patented bipolar ionization technology, the EC1500 is specifically developed to bring the health and quality of nature's air to indoor environments.

Proven to remove  
**99.9%**  
of SARS-CoV-2



## The World's Most Powerful Bipolar Ionization Device



### Ion Output

World leading  $10^{10}$  ions per second.



### Inactivate Pollutants

Inactivates air-borne pollutants: viruses, bacteria, fungus, mold, odor.



### Quick Installation

Easily Integrated onto any AC vent with a 5-minute installation.



### No By-products

No harmful by-products like UV-C or spray treatments.

## TECH SPECS

Ion Output	$10^{10}$ Ions/second
Area Coverage	50m <sup>2</sup>
Power	5V DC $\pm 10\%$ , 30mA
Operating Temperature	+5°C (+41°F) to +55°C (+131°F)
Dimensions	86mm * 60mm
Air Flow (Recommended)	1m/second minimum, Laminar

### Monitair

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Bipolar Ionization is Proven to Remove Harmful Pollutants Indoors



Viruses



Bacteria



Cigarette Smoke



Formaldehyde



Odors



Mold



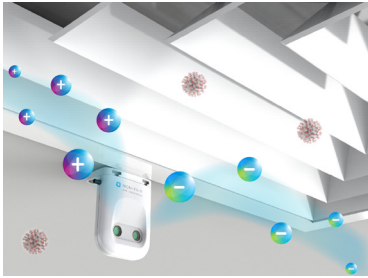
Fine particulate Matter smaller than 0.3 micron



Volatile organic compounds

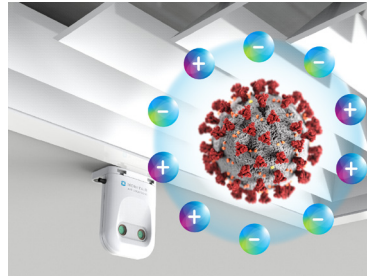
## How It Works

### 1 Ions Generated



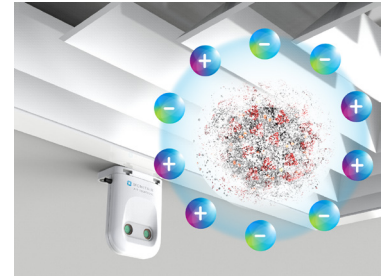
The EC1500 uses a powerful needlepoint corona discharge system to generate oxygen molecules O<sub>2</sub><sup>+</sup> and O<sub>2</sub><sup>-</sup>.

### 2 Cluster Formed



Hydrogen Peroxide H<sub>2</sub>O<sub>2</sub> together with OH radicals cluster around harmful pollutants.

### 3 Structure Broken



H<sub>2</sub>O<sub>2</sub> and OH radicals break down the protein structure and render them harmless.

## Global Lab Testing



Harmful Substance	Substance Name	Testing Organization	Removal	Year
Virus	Coronavirus	Sheba Medical Centre, Israel	99%	2020
	Influenza H1N1	Kitasato Research Center, Japan	99%	2011
Bacteria	Escherichia Coli ATCC	Kasetsart University, Thailand	91%	2011
	Escherichia Coli	EMSL Analytical, USA	99%	2011
	Escherichia Coli ATCC	Istanbul University, Turkey	91%	2011
	Staphylococcus aureus(MRSA)	EMSL Analytical, USA	99%	2013
Fungus	Aspergillus Niger	EMSL Analytical, USA	97%	2011
	Dichobotrys abundans	Prof. Joe F. Boatman, USA	90%	2006
	Penicillium	Prof. Joe F. Boatman, USA	95%	2011
Mold	Cladosporium Cladosporioides	EMSL Analytical, USA	97%	2011
Spore	Bacillus subtilis var niger	Istanbul University, Turkey 2011	89%	2011

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