



MONITAIR

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



World leading 10^{10} Ions per second.



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



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



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

TECH SPECS

Ion Output	10^{10} Ions/second
Area Coverage	50m ²
Power	12V - 24V DC
Operating Temperature	+5°C (+41°F) to +55°C (+131°F)
Dimensions	86mm * 60mm
Air Flow (Recommended)	1m/second minimum, Laminar

Bipolar Ionization is Proven to Remove Harmful Pollutants Indoors



Viruses



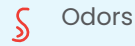
Bacteria



Cigarette Smoke



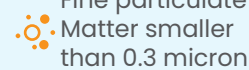
Formaldehyde



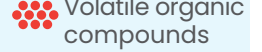
Odors



Mold



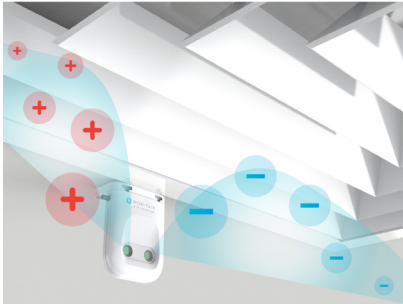
Fine particulate Matter smaller than 0.3 micron



Volatile organic compounds

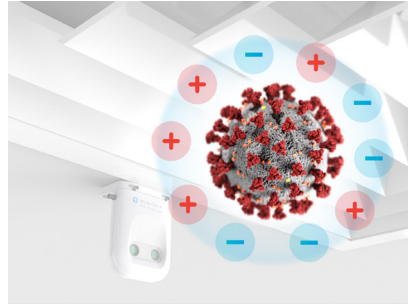
How It Works

1



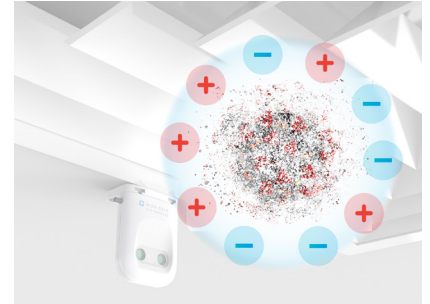
The EC1500 uses a powerful needlepoint corona discharge system to generate oxygen molecules O_2^+ and O_2^- .

2



Hydrogen Peroxide H_2O_2 together with OH radicals cluster around harmful pollutants.

3



H_2O_2 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
	SARS-CoV-2	University of Patras, Greece	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
Fungus	Staphylococcus aureus(MRSA)	EMSL Analytical, USA	99%	2013
	Aspergillus Niger	EMSL Analytical, USA	97%	2011
	Dichobotrys abundans	Prof. Joe F. Boatman, USA	90%	2006
Mold	Penicillium	Prof. Joe F. Boatman, USA	95%	2011
	Cladosporium Cladosporioides	EMSL Analytical, USA	97%	2011
Spore	Bacillus subtilis var niger	Istanbul University, Turkey 2011	89%	2011