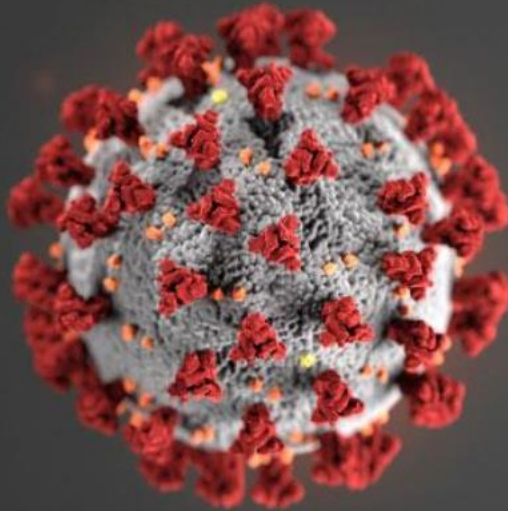


ANTI CORONAVIRUS SOLUTION

SPACE STERILIZER “AIRION”



Europe's second covid-19 wave is here but is it worse than the first. What would be your solution to protect your family and customers?

Protect the health of your family and customers with the AIRION which is a safe space sterilizer that sterilizes every room.

Technical Comparison

October 2020

Filtration & Sterilization Technology



● Technology Comparison Table

Items	HEPA Filter	Electrostatic Filtration	Plasma (Ionizer)	Ozone	UV	Photocatalysis
Bacteria & Virus	Poor	Good	Poor	Good	Good	Excellent
Mold	Poor	Good	Poor	Good	Good	Excellent
Dust Mites	Poor	Poor	Poor	Poor	Good	Excellent
Gases	Poor	Poor	Poor	Good	Good	Excellent
Odors	Poor	Good	Good	Good	Poor	Excellent
Smoke	Good	Good	Excellent	Good	Poor	Good
VOCs	Poor	Poor	Poor	Good	Good	Excellent
Pet Dander	Good	Good	Good	Good	Good	Excellent



HEPA (High Efficiency Particle Arresting) Filter

Depending on the filter size, it can clean up to 99.7% of particulate in the air. They are not effective on treating mold, mildew, bacteria, and other fungi.

Electrostatic Filtration

A negatively charged surface is used to attract particulate. In comparison to most HEPA systems it is more effective in trapping smaller micron particulate and effective in clearing smoke from the air. Low levels of ozone may be produced which can neutralize most mold, mildew, bacteria, and other fungi that comes in contact with the filter.

Plasma (Ionization)

A negatively charged surface to produce and expels an abundance of negative ions and cause suspended particles to cling to walls, floors, and other surfaces. Most ionizers are effective in settling dust and particulate out of our breathing space.



Ozone

Ozone is a very powerful oxidizer that will neutralize odors, mold, mildew, bacteria, and other fungi. Ozone is found to be effective because it works on the problem at the source and air does not have to be pulled through the unit for treatment.

UV Germicidal Lamps

This technology is effective in sterilizing air and surfaces that come in contact with the UV light. UV has been proven in both air and water applications to inactivate bacteria and viruses to prevent them from reproducing.

Photocatalysis

Using light to react with a catalyst resulting in oxidation. This is found to be effective in destroying mold, mildew, bacteria, other fungi, dust mites, and many odors. This technology is produced with an Ozone/UV lamp set in a variety of combinations. This method is also a pro-active approach that goes to the source for treatment.

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