

# PlasmaPURE



## How does Bipolar Ionization work?

Sunlight, crashing waves, and rushing water produce a bio-climate rich in oxygen ions, Bipolar Ionization mimics nature, generating the same type of ions found outdoors. The higher the concentration of ions (at the beach or in the mountains), the fresher the air.

The negative ions contain an extra electron while the positive ions are missing an electron resulting in an unstable condition. In an effort to restabilize, bipolar ions seek out atoms and molecules in the air to trade electrons with, effectively neutralizing particulate matter, bacteria and virus cells, odorous gases, aerosols, and VOCs.

Bipolar ionization proactively treats the air in occupied space at the source of contamination.

## Facilities using Bipolar Ionization

The White House, Schools, Hospitals, Sr. Living Facilities, Office Buildings, Restaurants, US Military, Food Processing Plants, Hotels, Casinos, Airports, Train Stations, Bus Stations, Warehouses, and Manufacturing Plants



## PlasmaPure 1500 Produces 1 Trillion ions per second

“As the COVID-19, and other viruses are spread via direct and indirect contact, the continuous application of Bi-Polar Ions emitted to ambient air, continuously disinfects both breathing space and surfaces. It is one of the most effective means for continuously cleaning and decontaminating indoor air and to help combat the spread of illness.”

**Dr. Phillip M. Tierno, Jr. Professor of Microbiology & Pathology  
New York University School of Medicine**

**As they divide to reproduce, bacteria and virus cells  
bond with oxygen ions and are destroyed**



## Medical-Grade Air Protection

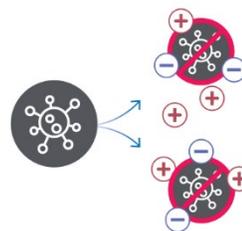
Wherever people are coming and going there are pathogens being introduced to indoor environments. Novaerus portable air disinfection devices are designed for rapid remediation in situations where infection risk is high and continuous air disinfection, particle reduction, odor mitigation and VOC control to restore and maintain indoor air quality.

## Independently Tested & Proven

NanoStrike technology has been independently tested and proven effective at killing and de-activating the smallest of airborne viruses, bacteria, mould spores and VOCs in dozens of independent laboratory tests.

In case studies and clinical trials, Novaerus products have been demonstrated to reduce infections and improve wellbeing in real-world settings.

Powered by  
**NanoStrike**<sup>®</sup>  
technology



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