

Top Product Innovations' advanced indoor air quality technology set to contribute to the global fight against SARS-CoV-2 (COVID-19).

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CHARLOTTE, NC--- Top Product Innovations Inc., a leading provider in Indoor Air Quality (IAQ) technology announced today that third party ionization testing results validated its technology's ability to effectively deactivate SARS-CoV-2 (COVID-19) surface strain with a 99.40% reduction. The bipolar ionization technology known as a Cold Plasma Generator (CPG) is powered by Needlepoint Clusters™.



Independent testing conducted by Innovative Bioanalysis, (*BSL-3 Laboratory*), **utilized a testing chamber 37 times greater** than cited in previously published tests. The testing environment was increased in size to better emulate environmental conditions of heating ventilation and air conditioning systems (HVAC) that are found in both residential and commercial applications. The results for the 60 minute test verified that 99.9% of the virus was inactivated at 60 minutes, 99.4% at 45 minutes, and 82.3% at 30 minutes.

About the technology

The technology is designed for use in both residential and commercial HVAC applications and can be used in conjunction with mini-split or VRF ductless units.

Using its advanced Needlepoint Clusters™, Phenomenal Aire cleans indoor air through a process known as ionization. During the ionization process, a high concentration (billions) of positive and negative ions are generated, attaching to particles traveling in the HVAC system's airstream. As more particles are attracted and attach to one another, they grow larger, making them easier to eliminate from the air with particulate filtration.

When the charged ions encounter a harmful microorganism, such as SARS-CoV-2, they render it ineffective by adding an electron or pulling an electron from the virus.

Phenomenal Aire Cold Plasma Generator technology cleans air safely and produces no harmful byproducts. The technology is tested and reviewed by independent agencies such as Underwriters Laboratory, which has verified Phenomenal Aire produces no detectable ozone.

"**THERE IS NO SINGLE SOLUTION THAT WILL BRING AN END TO THE CURRENT PANDEMIC. DEFEATING COVID-19 AND RESTORING HUMAN HEALTH GLOBALLY WILL REQUIRE A COMBINATION OF SCIENCE, TECHNOLOGY, AND MODIFIED BEHAVIOR. TODAY OUR COMPANY IS PROUD TO ANNOUNCE THAT OUR ADVANCED INDOOR AIR QUALITY (IAQ) TECHNOLOGY, PHENOMENAL AIRE™, HAS BEEN VALIDATED TO EFFECTIVELY INACTIVATE SARS-COV-2. WE LOOK FORWARD TO OUR TECHNOLOGY PLAYING A CONTRIBUTING ROLE IN THE FIGHT AGAINST COVID-19 BY WORKING TO HELP CREATE SAFE, HEALTHY, INDOOR AIR IN COMMERCIAL AND RESIDENTIAL BUILDINGS.**"

-ALAN ROSENBERG

PRESIDENT, TOP PRODUCT INNOVATIONS INC.