



UVDI V-MAX™ UV-C Technology Proven to Eliminate 99.99% of Airborne SARS-CoV-2 in Moving Airstream HVAC Testing

Providing advanced ultraviolet airstream disinfection and reassurance for commercial facilities to help protect employees, occupants and guests

VALENCIA, Calif.--(BUSINESS WIRE)-- UltraViolet Devices, Inc. (UVDI) announced its V-MAX™ UV-C air disinfection technology has achieved 99.99% inactivation of Severe Acute Respiratory Syndrome Coronavirus-2 (SARS-CoV-2) in a single-pass in moving airstream HVAC testing. The testing was conducted at Innovative Bioanalysis, a BEI-recognized BSL-3 laboratory in California. SARS-CoV-2 is the primary viral strain that causes the COVID-19 infection, which the Centers for Disease Control and Prevention (CDC) has indicated can be spread by both airborne and surface transmission.¹

In the independent testing, UVDI V-MAX™ UV-C air disinfection technology eliminated 99.99% of SARS-CoV-2 in a single pass at an airflow rate of 500 feet per minute. To confirm effectiveness against airborne SARS-CoV-2 in a moving airstream, Innovative Bioanalysis used a HVAC duct test based on a modified ISO 15714 and ASHRAE 185.1 standard. To replicate conditions in a typical HVAC duct, UVDI V-MAX™ 254 nm UV-C lamps were arranged in a parallel configuration.

“This novel testing underlines UVDI’s UV-C technology’s effectiveness against airborne SARS-CoV-2, stated Dr. Ashish Mathur, Ph.D., UVDI Vice President of Innovation and Technology. “The study results are further evidence that UVDI provides proven airstream protection -- and peace-of-mind -- for critical infrastructure globally such as airports, healthcare facilities, schools and government buildings as well as for high-traffic public spaces such as arenas, sports facilities and hospitality sites.”

UVDI’s V-MAX™ UV-C air disinfection technology works by damaging the DNA of microorganisms, eliminating their ability to reproduce and infect people. UV-C air disinfection product effectiveness against coronavirus is currently supported using established models to estimate the UV-C dose required to inactivate the virus. The BSL-3 laboratory results also confirm the accuracy of UVDI’s proprietary modelling software, which determines custom product configurations for targeted UV-C effectiveness. The software was used to inform the study’s protocols.

“UVDI is committed to doing all we can to help people get back to normal as quickly and safely as possible, whether at work, in school or travelling,” added Peter Veloz, UVDI Chief Executive Officer. “Providing clean, disinfected air is core to this mission and relies on the highest levels of scientific proof. We are proud that UVDI’s advanced UV-C air and surface disinfection products have now both been proven to inactivate SARS-CoV-2 in rigorous, innovative and independent laboratory testing.”

¹ <https://www.cdc.gov/coronavirus>



About UltraViolet Devices, Inc.

UVDI's Mission is to make a cleaner, safer, and healthier world through advanced UV-C solutions that disinfect the air and surfaces in the environments we live, work, and play in. UVDI designs and manufactures advanced Ultraviolet light solutions in California, applying over 70 years and three generations of family craftsmanship and care. Over 2,000 UVDI-360 Room Sanitizers are used in nearly 1,000 leading hospitals in more than 25 countries, where it has been proven in peer-reviewed, published studies to reduce Healthcare-Associated Infections and inactivate high-risk pathogens. UVDI's proven Indoor Air Quality solutions are now installed in over 10,000 International commercial sites. UVDI is proud to be a certified Minority Business Enterprise (MBE).

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