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April 10th, 2020

RE: CORONAVIRUS - COVID-19 : SanUVAire UVGI Systems Efficacy Against CoronaVirus And Other Viruses/Bacteria/Mold

SanUVAire has been receiving inquiries regarding the use and efficacy of UV disinfection systems against COVID-19 (human CoronaVirus). It is our belief that honesty and transparency are the best approach. It is important to understand the fundamentals and variables involved in the inactivation of the CoronaVirus and other pathogens using our UVC germicidal irradiation technologies.

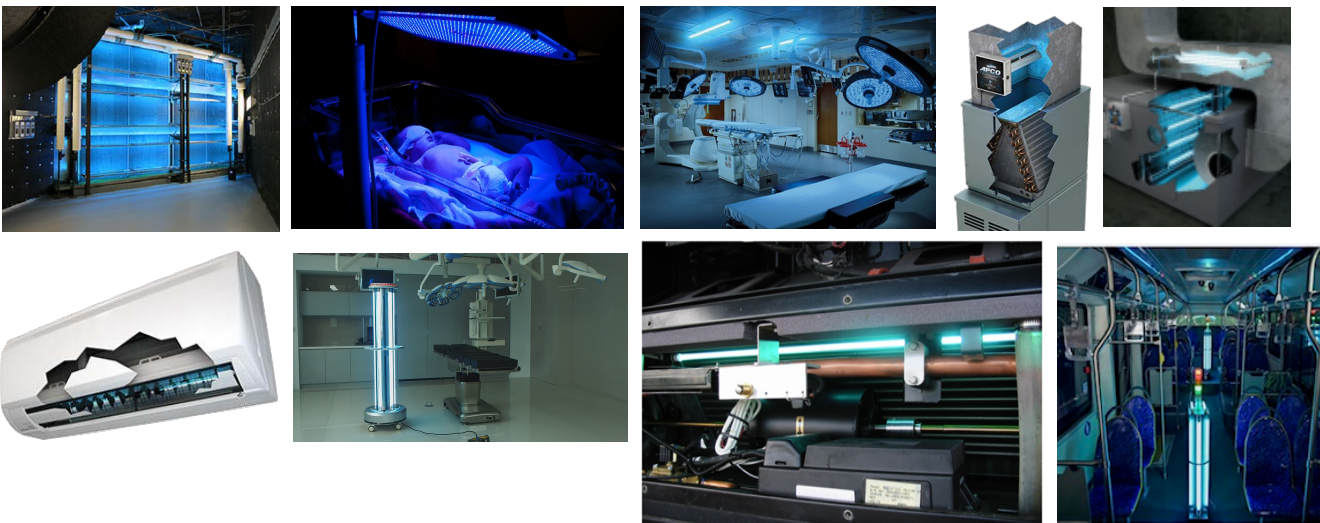
SanUVAire systems are tested and validated against bacteria, viruses, mold & fungus. SanUVAire systems have been tested and achieve up to (Log8 ->*99.9999%) kill rate on microorganisms. There are a number of factors that need to be addressed in order to determine efficacy, these include but not limited to, the application, such as surface or air disinfection, air velocity and temperature, recirculation rates, and dwell time, as well as the specific biological target. SanUVAire systems are installed in the HVAC unit and/or ductwork and are designed to disinfect surfaces and the air as it circulates through the ventilation system. UV dosage can be measured in several ways including microwatts per second/centimetres² (µWs/cm²).

Every microorganism requires a specific UVC dosage for inactivation including CoronaVirus. UV disinfection has been employed for decades in water treatment and medical facilities; these microwatt values have been used for reference to gauge UVC efficiency against a large cross-section of microorganisms. SanUVAire UV systems are the only systems that have been specifically tested and are effective against CoronaVirus.

UV disinfection systems for air, surface & HVAC are an ideal proactive measure to complement filtration. Microorganisms, particularly viruses, are so small that filters are mostly ineffective. The UV systems have also been shown to reduce problematic molds and pathogens that are found within the HVAC system and drain pan that would otherwise be introduced and distributed throughout the envelope of the bus, rail car, house and building.



**Proven efficacy of 99.9999%.
Reports available upon request.**



For additional information:

www.ashrae.org/technical-resources/resources

www.cdc.gov/coronavirus/2019-ncov/index.html

We encourage you to contact us for more information on SanUVAire systems or to discuss your specific application at 888.611.6660 or email Sales@SanUVAire.com.