

January 2021

Viral Defense Disinfection Mist Systems

# INTEGRATED OPERATIONS

FOR THE HEALTHCARE INDUSTRY



## OVERVIEW

### Integrated Operations & the Viral Defense Brand

Integrated Operations' Viral Defense misting products provide highly effective, comprehensive disinfection covering all surfaces with its misting technologies. Based on a combination of walk-through booths (for full body disinfection) and mobile/portable systems (for complete surface disinfection) this process takes seconds and costs pennies making this ideal for a wide variety of venues, including healthcare and long term care facilities that require disinfection on a regular basis to keep staff, patients and visitors entering these facilities unafraid about increased risk of possible infection.

- Units can be placed at strategic entrances to ensure employees, patients and visitors do not bring dangerous germs/contamination on premises. Additional placement at the exits of the infectious disease wards and the building itself ensures that the staff does not bring germs and viruses to their home environments or to each other
- Routine, fully autonomous robotic disinfection can occur in treatment and common areas to ensure all are entering disinfected areas
- Automatic touchless spray hand sanitizing units can be strategically placed throughout the facility
- Our anti-viral/anti-bacterial nano-silver air filtration filters (Pat. Pend.) will keep recirculating air free from aerosolized contaminants spreading throughout the facilities.

## ENHANCED DEFENSES

The CDC hand washing and mask wearing guidelines should be supplemented in order to provide comprehensive disinfection.

Integrated Operations' systems are excellent fits to address and support efforts to mitigate the risk for virus exposure on people, in spaces and on equipment.

The use of colloidal silver has long been used as an antimicrobial agent, and the advancement of the silver nanoparticle has improved healing of burns and wounds. Nano-silver also improves anti-microbial response in fabrics, surgical masks and air filtration systems taking disinfection to a new level.

VIRAL  DEFENSE



INTEGRATED OPERATIONS LLC

50144 BETHESDA COURT, SHELBY TOWNSHIP, MI 48317 | +1 586.991.1446

INFO@INTEGRATEDOPERATIONSLLC.COM | WWW.INTEGRATEDOPERATIONSLLC.COM

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This disinfection is accomplished utilizing an ultra-fine misting technology providing complete coverage made from a safe, proven, non-corrosive nanoparticle colloidal silver solution. The nano-sized particles of silver contained in the mist are a well-proven anti-viral/bacterial agent inactivating viruses and killing bacteria.

An excellent example of our system in use is in Vietnam, and we believe this contributes to the extremely low infection rate in the country. As of December, 2020, there have been less than 1400 Covid-19 infections with 35 fatalities which is extremely low for a country with a population nearing 100 million. Additional data from Vietnam shows an extremely low infection rate after schools reopened in August, 2020: one infection per million versus 196 per million in the U.S.

Viral Defense systems provide an effective and efficient workforce protection capability by delivering cleaner, germ-reduced environments and mitigating the risk of disease infection. These systems are ideal disinfection solutions for high personnel traffic areas such as lobbies, cafeterias and other spaces where people pass through constantly.

Viral Defense systems are available in a variety of standard models or can be customized for specific dimensions and/or requirements. The systems can be upgraded to include automated temperature check, facial recognition and contact tracing. A key feature of the ultra-fine misting technology is not only providing complete coverage deactivating viruses and killing bacteria, but also the **nano-silver solution provides 24-hours of protection!**

## ABOUT

Viral Defense technology offers several disinfectant solutions that are chosen based on where and how they are used. In addition to nano-silver misting technology, other options include sodium hypochlorite or hypochlorous acid (Anolyte) which requires additional processing and have relatively short shelf lives. Unlike nano-silver which offers a minimum of 24-hour protection, these solutions lose efficacy as they dry. Viral Defense disinfectant systems provide unique benefits and the most comprehensive coverage available in the market today.



**Viral Defense technology offers several standard engineered disinfectant models all produced to the highest production standards ensuring quality, durability, and safety.**



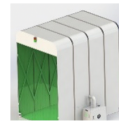
### **CDC-20C: For Exits and Entries**

- Automatically sprays after entry detected
- Audio and lighting cues to direct users to enter and exit
- CDC units are compatible with various disinfection solutions
- Audio alerts for low levels of disinfectant solution
- Portable with locking casters



### **CDC-20E Highest Level of Disinfection**

- Includes ultraviolet light and HEPA filtration
- Originally designed for clean room application, utilized where the highest levels of safety and disinfection are necessary, i.e. Infectious disease and/or isolation wards



### **CSC-20X**

- Customizable solution for high traffic areas
- Designed to meet your needs
- Controlled confined misting for total coverage
- Pre-determined transit time ensures complete disinfection



### **CDC-20M: For Area & Surface Disinfection**

- Ultra-fine misting technology provides total coverage of all surfaces
- Audio alert for low levels of disinfectant solution
- Portable with locking casters; Remote controlled
- Smaller wearable units available



### **CDC-20D Touchless Hand Mister**

- Automatically sprays when hands are present
- Uses Viral Defense nano-silver solution
- High production standards to ensure quality, durability, and safety
- Alert for low levels of disinfectant solution
- Can be wall mounted or free standing

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