

Coronavirus (COVID-19) and Ultraviolet C (UVC) Light

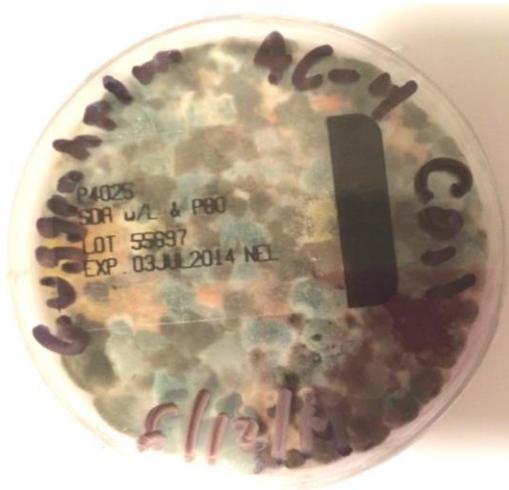
If your goal is to maintain optimal indoor air quality (IAQ) and protect occupant health and well-being, then please contact DVM Industries at [212.739.7846](tel:212.739.7846) or info@dvmindustries.com. **We are here to help!**

A Global Health Emergency

The recent COVID-19 outbreak has pushed the REAL concern regarding infectious diseases into the forefront of the public's mind. Media, both new and old, are rife with frightening stories that are causing events to be cancelled months in advance. If you are responsible for protecting the health and well-being of your occupants, then what do you do?

Step 1

Because small particles remain airborne for some period, the design, operation, and maintenance of HVAC systems can affect disease transmission in several ways. In order to effectively address the situation, you must install a credible device that can penetrate submicron microbes and destroy their DNA, leaving them unable to perform vital cellular functions. The [ASHRAE Position Document on Airborne Infectious Diseases](#) specifies UVC light-emitting devices as an effective strategy to ensure **optimal indoor air quality** and enhance the building's **resiliency**.



Contact Plates without UVC System



Contact Plates with UVC System (After 3 to 4 Weeks)

As a bonus to building operators and property managers, **energy savings** of fifteen (15) to twenty (20) percent and higher have been routinely documented in buildings using this technology. The estimated savings come from reductions in the electrical energy required to run the air handlers.

In other words, by keeping coils clean and free of organic buildup, UVC reduces pressure drop across the coils and increases net cooling capacity.

Step 2

Notify the public that you are actively addressing the situation and provide them with documentation about the technology. This will calm any lingering anxieties or fears that your tenants or occupants may have.

Step 3

If you would like to hedge against future disruptive threats, then install a RESET[®] accredited IAQ monitoring solution. This will help find your correlation between energy consumption and IAQ performance, mitigate risk, and market a healthier and more productive environment.



In fact, in order to combat questions or concerns that may arise, you must have this data available. A good example is shown in the image on the right.

Virus particles have the lowest transmission rate when relative humidity (RH) is kept within the zone of human comfort: forty (40) to sixty (60) percent. If you can provide this level of data to tenants and building occupants, then you will protect yourself in an increasingly litigious society like this one.

