

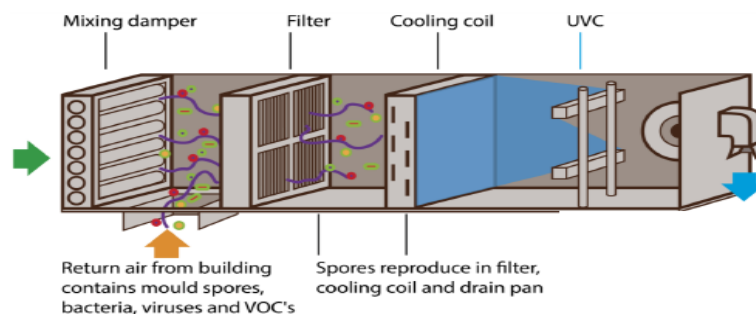
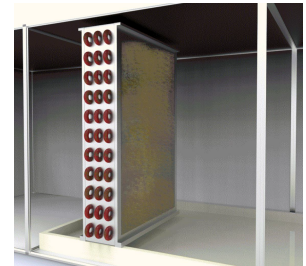
UV Air Disinfection Solutions for HVAC Applications

What are most common HVAC issues

Air-conditioning systems, and especially the AHU (Air handling unit), are the perfect microcosm for the growth and distribution of microbial organisms, pathogens, spores, moulds etc

Air recirculation, temperature fluctuations and humidity allow microorganisms to combine with each other in complex ways and settle all over surfaces inside the AC system in the form of an unpleasant biofilm. This biofilm adheres particularly in between the fins of heat exchangers (it settles in water collection tanks and clog the filters in the ducts. A biofilm less than 5 mm can reduce system efficiency up to 40%.

Our products are designed to fit perfectly in various sections of the Air Handling Units, as well as inside the ducts. All our HVAC products are dimensioned according to the air conditioning system in order to guarantee safe results in certain times.



The integration of UV technology inside the air conditioning in centralized units allows to treat the air in closed rooms, 24 hours a day, without limits. With the use of UV Air Disinfection devices, the indoor Air Quality (is improved, thanks to a real air washing" due to the gradual lowering of the microbial load in a simple, immediate and safe way and without the slightest contraindication UV does not leave residues, so the environments do not need to be ever ventilated. For an effective treatment (99.9% reduction) it takes just a few moments. By diluting the microbial charge in the air Indoor Air is immediately healthier, with substantial advantages for occupants.

Many world-class bodies and organizations such as WHO, EPA, CDC, ASHRAE have been recommending the use of UV-C rays for the disinfection of water, environments and air conditioning systems for decades.

The use of UV-C rays is also indicated for the prevention of Coronavirus Sars-Cov-2 and, following the recent COVID-19 pandemic, the implementation of "UV sections" inside HVAC systems is finally increasing as solution to avoid the spread of virus contamination.



**CENTERS FOR DISEASE
CONTROL AND PREVENTION**

