

## UV-DUCT-FL

### Air Decontamination for Installation in HVAC Systems

The UV-DUCT-FL is installed as a UV barrier in the end segments of ventilation systems. In this capacity, it serves to inhibit the spread and distribution of dangerous viruses, bacteria, fungus, and spores within the affected systems.

In a constant process, the UV-DUCT-FL cleans the air streams which pass by its high-output lamps. It eliminates microbial germs and effectively inhibits the distribution of dangerous and unwanted pathogens inside of buildings. Without the application of UV-C disinfection, an unpleasant biofilm will grow on all inner surfaces of climate control systems. The gathering, reproduction, and distribution of microorganisms is greatly accelerated by conditions within climate control systems, which include darkness, high humidity and temperature swings.

The UV-DUCT-FL inhibits so-called "sick building syndrome", Monday fever, asthma and allergies. The UV-DUCT-FL allows for continuous control over always increasing standards of hygiene. At the same time, climate control systems are kept clean, and expensive as well as environmentally unfriendly chemicals can be avoided. The application of UV-DUCT-FL systems is important, not only with the goal of improving air quality, but also in order to reduce the risk of cross-contamination and healthcare-associated infections.

#### Characteristics:

- Selectable UV-C output and wavelength
- Stainless steel lamp housing
- Outer housing made of aluminum and PVC
- Easy installation from outside of the air duct
- All parts tested UV-C durable
- Safety category IP 55
- Control runs through internal electronic ballast (EVG)
- Power provision through pluggable cable
- Optional with operating hours meter and LED status display
- CE Markings (LVD, EMC, MD, RoHS)

