

# ec>ex™ UV>Filtration

Automated and  
Chemical-free UV  
Cleaning Systems for  
Surface and Airflow  
Disinfection

## Overview

Ensuring the cleanliness and efficiency of ventilation systems bringing fresh air into our work places is of ever increasing importance. The filtration in the majority of air handling units, however, only targets particulates, with no way of keeping bacteria and viruses at bay.

ECEX UVGI filtration systems can be retro-fitted into existing ventilation units and instantly start fighting bacteria and viruses in the airflow and on internal surfaces.



Powerful UV disinfection prevents bacteria, viruses, and organic growth from reproducing and multiplying on cooling coil surfaces. When selected at higher dosage rates, UV filtration can achieve up to 99% kill rate of airborne viruses and bacteria throughout the entire HVAC system, thus improving indoor air quality (IAQ) which leads to a wide range of associated occupational health benefits.

Selections are based on airflow, velocity and dwell time to optimise disinfection efficiency at first pass. Designed for continuous operation with minimal maintenance, our systems are high efficiency AHU and duct mounted UVGI units. Their high output, non-ozonating UV lamps produce high intensity UV-C light at 254nm and boast an operating life of up to 10,000hrs.

ECEX is able to supply and install UVGI Filtration systems into most air handling units or duct systems. In many cases we can provide initial quotations based on existing information, however our engineers are always happy to carry out detailed site surveys to better understand site requirements.

ECEX offers a wide range of ventilation services including energy upgrades, coil replacement and general refurbishment – please contact us or visit [www.ecex.co.uk](http://www.ecex.co.uk) for more information.

