

Virus Disinfection using UV-C Light in a canteen setting UV air purification offers an additional layer of protection

Viruses, bacteria and other microorganisms spread through tiny water droplets in the air, so-called aerosols. They can survive there for a long time and are transmitted from host to host. The risk is particularly high in rooms with many people - such as waiting rooms, offices, gyms, classrooms or canteens. Often, the situation is aggravated by the fact that these rooms cannot be well ventilated or there is no central ventilation. Especially in winter, ventilation is also unpleasant: ideal conditions for viruses.

UV-C light is energy and very effective against viruses, bacteria and fungi. Especially viruses, such as the SARS-CoV-2 virus and its mutations are easily destroyed by it. They have only a thin lipid (fat) layer. This is easily penetrated by UV-C light and destroys the virus immediately.

Heraeus Noblelight Ltd. have recently installed two Soluva Air W devices in their factory and office canteens in Cambridge, UK. Both units are operating as 'Covid-secure', and these two new installations are in addition to employees observing social distancing, handwashing and mask wearing, helping to significantly reduce virus exposure and make the working environment even safer for employees.

Debbie Playle, Managing Director for Heraeus Noblelight comments: *'The UK have done a phenomenal job with the COVID-19 vaccination programme. The roadmap to move the UK out of restrictions is progressing well and our next step is to manage bringing our staff back into the workplace safely.*

'I believe our duty of care to our staff extends beyond observing the usual Covid-secure rules, in addition to carrying out our usual hygiene practices. I am delighted to have been able to be in a position to install as a 'belt and braces' approach the Soluva Air W devices in our canteens. This will help us to mitigate the impact of the inevitable third wave that is anticipated along with the expected Winter season of colds and 'flu.'



The Fraunhofer Institute Germany has for the first time confirmed the effectiveness of air disinfection by means of closed UV-C air purification devices under real conditions for a classroom on the basis of an elaborate scientific application test. Heraeus UV-C air purification devices can reduce the virus load in closed rooms by over 99%.

The disinfecting effect of UV-C light has been confirmed in further tests, e.g. with the Hygiene institut biotec Germany or the University Hospital Tübingen Germany.



Advantages of UV-C air purification with Heraeus Soluva equipment:

- ✓ free from chemicals
- ✓ without filter
- ✓ low maintenance requirements
- ✓ without ozone and by-products
- ✓ no uncontrolled escape of UV-C-light
- ✓ no germ resistance formation