

Virus protection with UVC light in changing rooms and social areas

Additional protection for employees on site

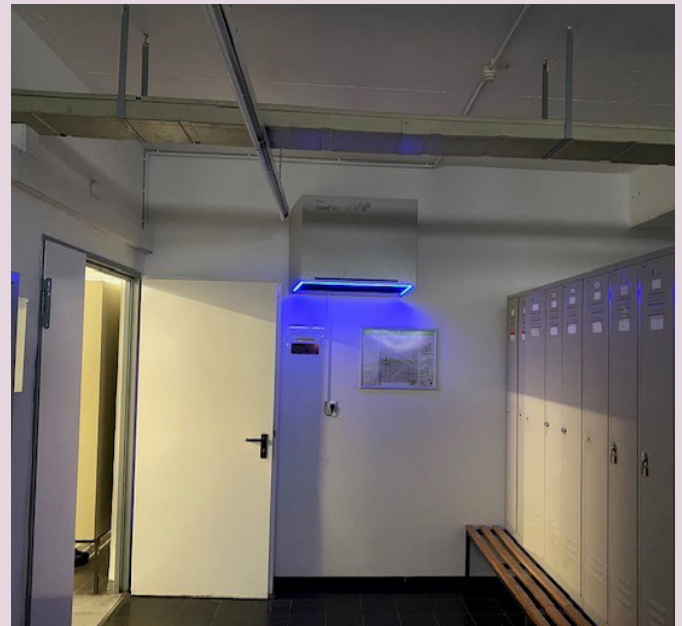
Viruses, bacteria and other microorganisms spread through tiny water droplets in the air, so-called aerosols. They can survive there for a long time and are transmitted from host to host. The risk is particularly high in rooms with many people - such as waiting rooms, social rooms or changing rooms.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

In the fight against the coronavirus, Heraeus Conamic relies on UV solutions for disinfecting room air from Heraeus Noblelight. As part of a risk assessment, rooms were identified that are heavily frequented, are used by frequently changing groups of employees and have no or only inadequate ventilation options. This applies, among other things, to social rooms, production areas, meeting rooms or shift supervisors' offices.

"With the Soluva® experts from Heraeus Noblelight, we discussed and analyzed the technical requirements for the individual rooms," explains Maik Sarnes, Global Head of EHS at Heraeus Conamic. "We decided on devices from the Soluva® Air series because they disinfect the room air reliably, in an environmentally friendly manner and without chemicals. A simple and effective hygiene solution to protect our employees!" adds Sarnes.

For example, a Soluva Air W unit disinfects the locker rooms and provides additional protection for employees there.

In rooms with ventilation options, the Soluva® device is used in a supportive manner. Where possible, all rooms should continue to be ventilated by means of shock ventilation through wide-open windows as well as open doors. In addition, tilted windows are considered useful as a supplement to shock ventilation in order to avoid a too fast and strong increase of the virus concentration.



The renowned Fraunhofer Institute for Building Physics 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 or the University Hospital Tübingen.

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

