

UV disinfection in Hotel Zeller

The Zeller-Hotel + Restaurant - relies on HighTech in the fight against the virus

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 spread from person to person. The risk is particularly high in rooms with many people - such as waiting rooms, offices, gyms or classrooms in schools. 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 very effective against viruses, bacteria and fungi. Especially viruses such as the SARS-CoV-2 virus and its mutations which UV-C easily destroys. These viruses have only a thin lipid (fat) layer that the UV-C light easily penetrates and destroys the virus immediately. Elderly and those with certain health conditions are at high risk for Corona and therefore need particularly high protection.

Business and vacation travelers from many regions meet in hotels. For conferences and business trips hotels must have a high standard of hygiene, not only in times of pandemic. And for short vacation stays in hotels with a fitness center, spa, restaurant or bar, guests appreciate an intelligent corona defense.

The Zeller-Hotel + Restaurant in Kahl, Germany offers comfortable stays for guests and business travelers. They decided at an early stage to improve their standard hygiene protocol by using UV air disinfection to protect guests and staff even better. A total of ten UV disinfection units ensure that over 99% of the viruses in the air are destroyed. The air purifiers disinfect the air in meeting rooms, the catering area, the fitness spa and in the adjoining "Emma's Wine Bar".

"Our guests have consistently reacted positively and appreciate the additional protective measures," says Alexandra Schleuning, managing owner. **"The UV air purifiers usually operate at maximum power for a short time before the guests arrive; during restaurant operations or a conference, the units then run at a lower level. The noise level is so low that there are no complaints."**



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 is also confirmed in further tests, e.g. with the Hygiene institut biotec and the University Hospital Tübingen.



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

- ✓ chemical free
- ✓ no filters
- ✓ low maintenance requirements
- ✓ no ozone or by-products
- ✓ no uncontrolled escape of UV-C-light
- ✓ viruses can't build up resistance to UV-C