

When climate change makes sense: BÄRO UV-C disinfection

1. UV-C disinfection systems guarantee hygienically clean air.

BÄRO UV-C disinfection systems are state-of-the-art systems that work on a physical basis and make use of the germicidal effect of UV-C radiation. When installed at the neuralgic points of an air conditioning system they guarantee effective and continuous disinfection. Whether water is disinfected in the case of recirculating spray humidifiers, or the fresh air and circulating air in the ventilation shaft - micro-organisms have no chance. Up to 99.9% of them are destroyed and viruses are also reliably inactivated.

2. UV-C disinfection systems prevent mould.

Water-conducting and wet equipment parts such as dehumidifiers, rotary spray humidifiers and steam humidifiers in particular are ideal breeding grounds for moulds and their millions of spores. This can lead to allergic and toxic reactions in humans. Even the most up-to-date filter technology is not capable of specifically preventing contamination of air conditioning systems. When exposed to UV-C radiation at a wavelength of precisely 253.7 nm, up to 99.9% of moulds are destroyed. The units are designed to

ensure that no radiation whatsoever can escape outside.

3. UV-C disinfection systems demonstrably reduce respiratory illnesses.

Office workers in modern office buildings often complain of unexplained work-related health problems or combinations of symptoms. It has been proved that these can be caused by microbial contamination of ventilation systems. UV-C radiation in air conditioning systems destroys up to 99.9% of viruses that cannot usually be eliminated with filter technology (for example Novo viruses). The positive result: a 40% reduction of respiratory illnesses, a 30% reduction of mucus membrane problems and a 50% reduction of muscular aches. Studies and research reports are available and may be requested.

4. UV-C disinfection systems greatly reduce cleaning costs.

The VDI 6022 standard states that air conditioning systems must be regularly checked by the operator for dirt, and if necessary cleaned by qualified specialists. As BÄRO disinfection systems work on a physical basis and also ensure disinfection, they usually make chemical

cleaning superfluous and save operators additional unforeseen cleaning costs that may otherwise be incurred between the prescribed hygiene inspections. Operators can rest assured that there is no need for chemical mace and its harmful residue.

5. UV-C disinfection systems are simple to integrate in existing and planned air conditioning systems.

BÄRO UV-C disinfection systems are integrated in existing or planned air conditioning systems as required to meet planning, construction and operating specifications and they also consider relevant process data. Many years of practical experience make the integration a very straightforward matter. Once installed in the air conditioning system, BÄRO disinfection systems run efficiently and almost maintenance-free around the clock.

BÄRO[®]
Systematic disinfection