

UVpro Air Disinfection Solutions for Air Coolers

Air cooler hygiene with UV-C

UVpro air cooler installation kits (LKE) or air cooler modules (LKV) are disinfection units for a quick installation inside or in front of industrial air coolers.

Cooling leads to condensation on the cooling fins, where suspended solids and microorganisms from production accumulate. This results in biofilms that reduce the cooling load and continuously release germs into the production air. Depending on the type of evaporator, UVpro modules are either installed in front of or behind the cooling fins of the air cooler and ensure air hygiene in two stages: The UV-C radiation disinfects the surfaces as well as biofilms and the air flowing through it undergoes a germ reduction with each circulation. Drip trays and cooling fins remain perfectly hygienic. The formerly problematic air cooler becomes a disinfection device.



Product Applications

- industrial air coolers
- evaporators
- cooling units
- heat exchangers
- HVAC

✓ energy savings

✓ extended cleaning intervals

✓ longer product shelf life

Improved air hygiene during ongoing production

with a preventive effect where there is the highest risk

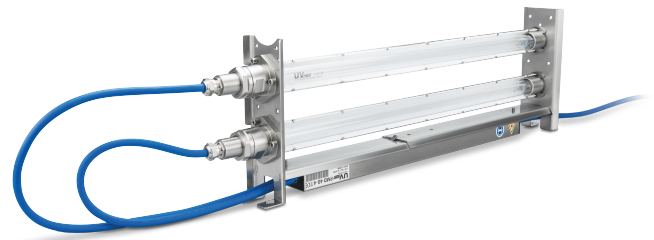
- inactivation of harmful microorganisms in the air and on the interior surfaces
- improved cooling capacity
- no formation of biofilms
- prevention of new germs

UVpro LKEB

for an installation directly inside the air cooler

Specifications:

Material: stainless steel
Operating temperature: 0 to +40°C
Requirements: CE, EMC, IP68, IFS, HACCP
Total UV-C output: 22 or 32W_{253,7 nm}
Lamp interval: 12.000 h



UVpro LKV

mounting in the intake area of the evaporator

Specifications:

Material: stainless steel
Operating temperature: 0 to +50°C
Requirements: CE, EMC, IP68, IFS, HACCP
Total UV-C output: 36W_{253,7 nm}
Lamp interval: 12.000

