

Picture may differ depending on version.

Disinfection

SteriWhite Air M

UVC disinfection of ambient air in rooms with constant occupancy

Effectiveness of our UV lamps at inactivating SARS-CoV-2 (COVID 19) on surfaces confirmed by accredited S3-laboratory

System-Features

- Equipped with high-performance UVC low pressure lamps
- Meets all safety guidelines for UV radiation, for example the norm for Photobiological Safety 2018/EN 62471
- For overhead installation

Advantages

- Chemical-free air disinfection
- Inactivation rates up to 99,99% for viruses, germs and mould spores
- Occupational safety
- Life service of UVC lamps up to 16.000 hours

SteriWhite Air M

Chemical-free disinfection of ambient air

The SteriWhite Air M is a highly efficient disinfection system for reliably deactivating micro-organisms.

A smooth fan inside the housing generates a continuous airflow through the disinfection system, where it is irradiated by UVC low pressure lamps.

Active principle: High-energy shortwave UVC rays penetrate the cell membrane or viral envelope and disrupt the base building of RNA or DNA by triggering the formation of pyrimidine-dimers and uridine-hydrates. The genetic information is destroyed, bacteria, viruses (e.g. COVID-19, influenza) and spores can no longer proliferate. The chain of infection is broken.

In the laboratory, an inactivation rate of 99,99 % was confirmed for SARS-CoV-2 viruses on surfaces.

The SteriWhite Air M has got a V4A sheet steel housing and specially developed light traps to prevent the leaking of UV irradiation. In addition, no ozone is generated. Thus, SteriWhite Air M does not only meet the safety directives for UV irradiation but **can also be used in all rooms with constant occupancy**.

The SteriWhite Air M is designed for overhead installation.

Our UVC lamps offer an extremely long lifetime of up to 16.000 operation hours. A service-display at the housing gives an early warning for a rare lamp exchange.

Application fields

Rooms with constant occupancy especially: production facilities, warehouses, canteen kitchens, sports halls, gyms and many more.

Occupational safety

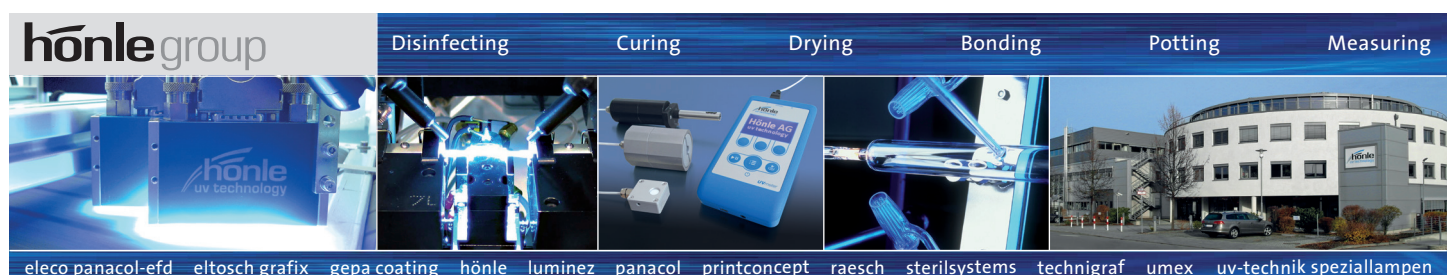
SteriWhite Air M meets the following EG directives: CE, EMV Directive 2014/30/EU, Low Voltage Directive 2014/35/EU, RoHS 2 Directive 2011/65/EU, **DIN EN 62471 photobiological Safety**.

Technical data

Air flow rate* **	up to 600 m³ / h
Dimensions in D x L **	303 mm x 1068 / 1400 mm
Wavelength UVC lamp	254 nm
Life service UVC lamp	up to 16.000 h
Supply voltage	230 V / 50 Hz
Power consumption**	up to 300 W
Sound level	< 68 dB A (1 m distance)
Weight **	ca. 16 - 45 kg
Ingress Protection Class	IP54

* in standard room air: 20°C, 50 % humidity

** dimensions can vary depending on version



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Operating parameters depend on production characteristics and may differ from the foregoing information.
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