



## Germ free without the use of chemicals

### UVELIOS® 500

Air disinfection device for production and storage areas

Innovative high-power UV-C air treatment device for efficient and reliable air disinfection within sensitive production and storage areas. The unit disinfects an air flow volume of 500 m<sup>3</sup>/h and can be installed within minutes.

The developers at Peschl Ultraviolet engineered a unique lamp which is so powerful, that only one lamp is required in the **UVELIOS® 500**, while other manufacturers need up to 4 lamps to achieve an even lower UV-Dose.

The system design is fully light-tight, so that no harmful UV-C radiation can escape out of the system. The noise level remains low due to a low pressure drop.

With this UV-barrier feature, the system can be used in rooms with low ceilings and in presence of people. The lamp is thermally optimized, so that the **UVELIOS® 500** can also be operated in cold ambient temperatures down to 5°C. Service and maintenance is quick and easy: The integrated **lampCONTROL LT** controller indicates the operating hours and the system status. Once the lamp must be replaced in the near future, an alarm is provided. To replace the lamp, a standard cabinet key is used to open a cover plate at the bottom of the system. The lamp switches off automatically and can be replaced within minutes without using any tools and without disassembling the entire unit. The integrated fan and all electronic components are protected against UV-C to prevent aging of the components over time. Instead of using chains, the installation of the **UVELIOS® 500** on the ceiling is realized by using special stainless steel cables, so that the leveling of the device is steplessly variable, easy and can be made without any tools. Disinfection performance for Staphylococcus Aureus: 99,999% (log 5) @ 500 m<sup>3</sup>/h air flow.



lampCONTROL LT controller

### Features

- Plug and play design, fast connection and easy leveling
- Highest UV-Dose with just one lamp
- Suitable for low temperature ambients
- Innovative UV filter: no light escapes
- Lamp replacement reminder, hour counter and easy lamp replacement from the bottom of the **UVELIOS® 500**

### Typical applications

- Meat processing industry, deboning belt areas
- Cheese processing and storage rooms
- Industrial bakeries
- Cosmetic industry

# TECHNICAL DATASHEET

## Technical data

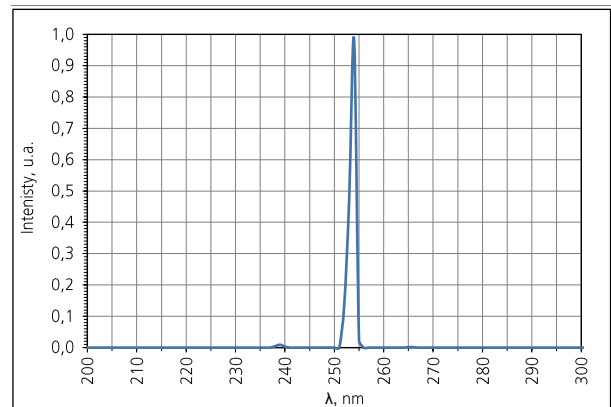
### General

Description	<b>UVELIOS® 500</b>
Art. No.	#41281
Material	Stainless steel (1.4301, V2A), anodized aluminium
Air flow	500 m³/h
Nominal power	500 W
Mains	230 V / 50-60 Hz
Ip protection class	IP 54
Mounting	2 x stainless steel cables with a length of 1,5 m
Dimensions (L x W x H)	209 x 38 x 26 cm
Weight	29 kg
Operating temperature	+2°C to +35°C
Lamp type	PUV-LP 10004.0, ozone free
Lamp Art. no.	#85060
Lamp life time	12.000 h
UVC-Drop down during lamp life	< 20%
Power supply	Electronic
Control functions	Microprocessor controlled. ON/OFF, hour counter, OK signal, ERROR signal, Lamp reset, optical alarm, acoustic alarm, watch dog
Fusing	Integrated, 2 x 10 A for mains and 1 x 6 A for fan

## Lamp detail



## Spectral Distribution



## Information



Packaging unit (PU): 1 pcs. Minimum order quantity: 1 PU

The lamp lifetime depends on its operating conditions and mode. An unauthorized mode of operation as well as the use of components not supplied by us (power supply, cable, plugs, etc.), or validated / released prior use in writing form our engineers, leads to the exclusion of the warranty!