PESCHL
H Y G I E N E

CHEMICAL FREE

Germfree without use of chemicals

TRS150, **TRS**450, **TRS**850
UV module for surface disinfection

The watertight UV module from Peschl Ultraviolet has been specially developed for effective surface disinfection in hygiene-critical areas. Available in three different lengths and power levels, the plug & play system can be seamlessly integrated into higher-level systems.

Typical applications include use upstream of evaporators to disinfect the evaporator fins in the food industry, in bottling plants for the hygienic treatment of filling spouts and in cold rooms for continuous surface disinfection.

Thanks to its slim design, the module is particularly easy to integrate and saves space. For additional safety, it is equipped with the proven lampSafe shatter protection, which prevents glass from escaping in the event of damage.
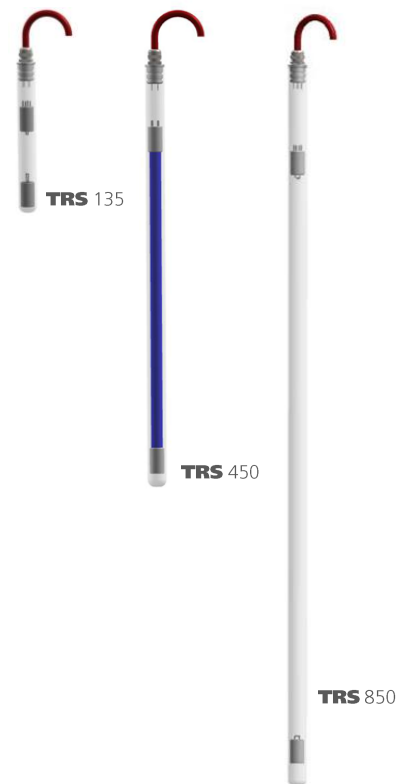
A compact UV module for various areas of application - flexible, powerful and safe.

TRS 135

TRS 450

TRS 850

Features

- Waterproof UV module (IP65)
- Simple, tool-free lamp replacement
- Plug & play system
- Easy to integrate, slim design

Applications

- Surface disinfection of evaporator fins and heat exchangers
- Used in cold storage rooms, warehouses and breweries for surface disinfection
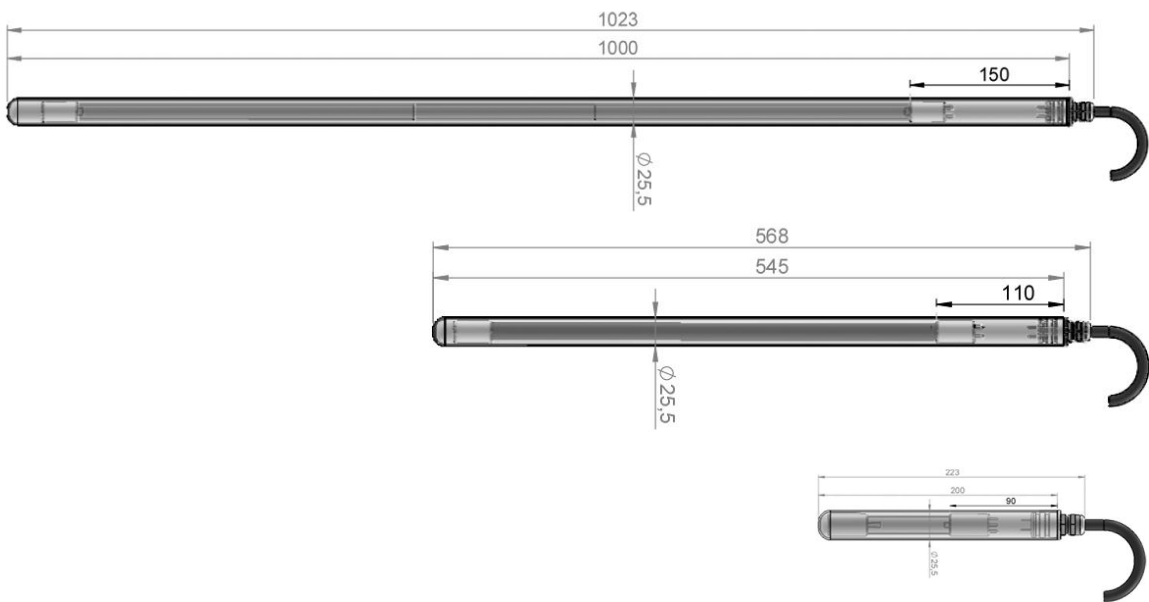- Disinfection of the inside of large packaging materials

uv-hygiene.com

©06/2025

TECHNICAL DATASHEET

Technical Data

Description	TRS 135	TRS 450	TRS 850
Art. No.	30147	30328	30376
Material	Quartz glass, plastic, Stainless steel cable gland	Quartz glass, plastic, Stainless steel cable gland	Quartz glass, plastic, Stainless steel cable gland
Diameter	25,5 mm	25,5 mm	25,5 mm
Immersion depth	190 mm	535 mm	990 mm
Protection class	IP 65	IP 65	IP 65
Cable length	3 m	3 m	3 m
Mains voltage / Frequency	230V/50-60Hz	230V/50-60Hz	230V/50-60Hz
LampSafe shatter prot.	Yes	Yes	Yes
H.S. Code	85041080	85041080	85041080

Lamp Data

Bezeichnung	TRS 135	TRS 450	TRS 850
Nominal power (P_B)	5 W	21 W	41 W
Mains power	230 V	230 V	230 V
Lamp voltage (U_B)	15,0 V	62,0 V	120,0 V
Lamp power (I_B)	425 mA	425 mA	425 mA
Useful lamp lifetime	8.000 h	8.000 h	8.000 h

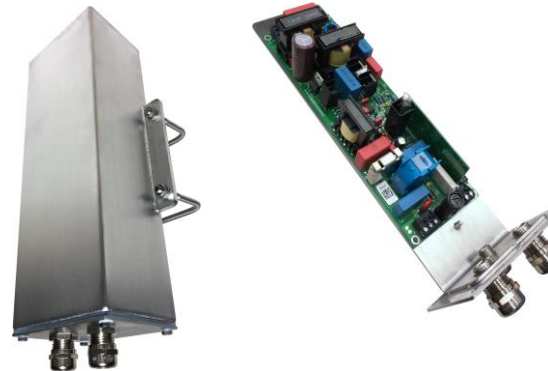## Details

uv-hygiene.com

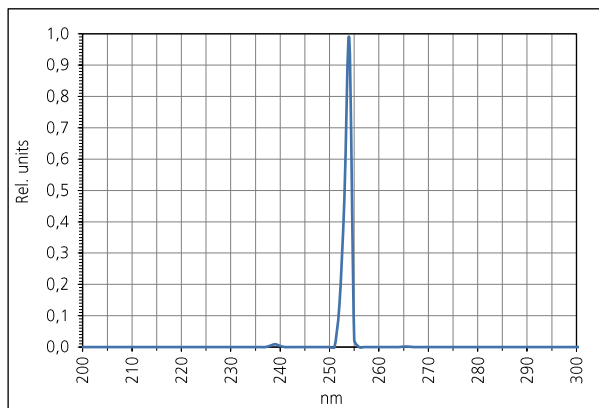©06/2025

lampSAFE Shatter protection

Optional: **lamp**SAFE Shatter protection for IFS compliant applications.

Industrial rugged ballast

Optional: Industrial ballast in robust stainless steel housing with venting diaphragm (IP67).

Spectral distribution

Safety instructions

WARNING	UV-radiation
	UV-radiation is dangerous for eyes and skin! Never look into direct or indirect radiation without proper personal protection and protect your skin!

WARNING	Breakage of glass
	Risk of cutting. Use cut-resistant gloves when handling glass parts, especially during commissioning and service work.

CAUTION	Mercury
	UV lamps contain small amounts of mercury. In case of lamp breakage, use mercury absorption use mercury binder to collect spills.

Operation on a power supply protected by a ground fault circuit interrupter (GFCI) only!

Special Instructions

This product is a component for integration into a over ordinated system by an expert system engineer. It is the responsibility of the user to check the suitability of the component for its individual application and the intended purpose, taking into account the usual care and test under real conditions of use.

The useful lamp lifetime depends on the way of lamp operation and ambient conditions. An unauthorized way of operation as well as the use of components (power supply, cable, plug, etc.), which are supplied by us to us or approved in writing, leads to the exclusion of the warranty!

*   UV-C intensity drop < 35%
**   UV-C intensity drop < 15%
*** Adjustment of system according to operating conditions required before delivery