



TRS/TLS

**Submersible tube systems
Immersion lamp systems**

Feature

- suitable for air and water
- mounting adapter in stainless steel or plastic
- for every type of UVC low and medium pressure lamp

Advantages

- pressure resistant up to 10 bar
- tool-free lamp exchange
- salt water resistant for harsh environments

TRS/TLS

Submersible tube systems | Immersion lamp systems

Our **immersion tube systems and immersion lamp systems** are suitable for use in **air and water** and designed for **pressures of up to 10 bar**. Depending on the application, we use different types of quartz glass to prevent the development of ozone or to produce it intentionally. Therefore the systems can be used in air systems as well as in open channels or closed water reactors.

UV-Immersion tube systems

Thanks to the **individual production** of our TRS / TLS solutions, the systems can be selected to the respective application. There is a suitable immersion system for each of our UV lamps.



TLSVG 23 with plastic flange

Depending on the application, immersion lamp heads are made of **stainless steel or plastic**. Both materials are **salt water resistant** and can even be used under harsh environmental conditions. The design of the flanges was chosen so that the **lamp can be changed without tools**.

On request, you can get **fully encapsulated systems for underwater use**, which even allow the connection cables to be submerged.

If required, we can integrate a lamp starter or lamp monitoring into the immersion tube to save space.

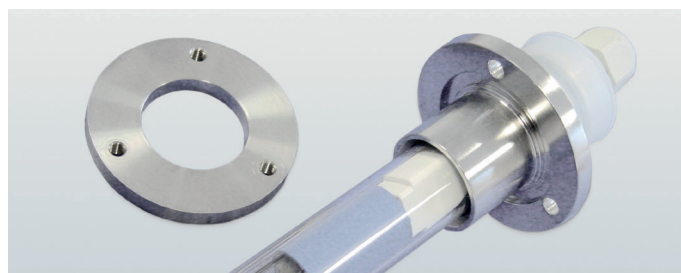
Technical Data

Outer diameter	23-70mm
Ambient air temperature	-20°C to 30°C
Cooling	Convection, air flow, water
Installation position	Flexible
Cable (TLS)	4x 0,75mm², 19 AWG, cross water tight, silicone free
Cable length (TLS)	3m (Standard)
Protection class	IP 68 (from flange) possible

Drinking water compliant sealing rings or mounting brackets are available as accessories.

Applications

- Air disinfection in ventilation and air conditioning systems
- Disinfection of surfaces, e.g. conveyor belts
- Odor neutralization in exhaust air hoods
- Installation in air washers
- Installation in closed water reactors and open channels
- Installation in supply pipes of ponds, cisterns or fountains
- Algae prevention in cisterns, wells and ponds



TRS 23 with screw-on flange and counter ring made of stainless steel

Disinfection

Drying

Curing

Control

Measuring



uv-technik Speziallampen GmbH, Gewerbegebiet Ost 6, 98693 Ilmenau, Germany
Phone: +49 36 785 520-0, Fax: +49 36 785 520-21, www.uvtechnik.com

Operating parameters depend on production characteristics and may differ from the foregoing information.
We reserve the right to modify technical data. © Copyright uv-technik Speziallampen GmbH. Updated 2021.