



### Advantages of **PURE** UVC systems

- Disinfection rate of up to 99.99%
- Long-life product thanks to high-quality material (V4A stainless steel, proven and robust electronics)
- All spare parts are permanently available at short notice
- Easy installation, low operating costs
- Service-friendly and easy handling
- Individual adjustments and special requests are possible, e.g. operating hours counter, UVC sensor
- Outstanding price-performance ratio

### The right solution for every task:



# Water is life ...

Life is precious.

High-quality water is a vital good. The reliable and good water quality, completely without the use of chemicals, is possible.

For 15 years UST Umwelt-Systemtechnik GmbH has been developing and manufacturing high-quality UVC systems in Gera, Germany.

**A PURE WATER system from UST ensures the supply of germ-free drinking water – without chlorine!**

### Water Disinfection with UV from UST and SEV in Senegal

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Implemented by:



on the basis of a decision  
by the German Bundestag

# Water disinfection.

Without Chlorine!

Germfree drinking water • crystal clear water in pools & ponds



# The right solution for any task.



Our broad product range offers proper performance for the treatment of water of any capacities and conditions.

Made in Germany

## PURE 1.0 AND PURE 1.2

Germ-free drinking water from your water well



**Flow through**  
300 to 2.500 l/h

- Configurations: 16 W, 21W, 50W, also available with 12 and 24 VDC
- To connect directly to a water well or water line
- Disinfection capacity in accordance to the German drinking water regulation with a dose > 400 J/m<sup>2</sup>

Made in Germany

## PURE G 2.0

Drinking water free of germs and chemical contaminations



**UV + Active Carbon filter**  
Disinfection and filtration

- To upgrade the drinking water quality in any house
- Matching combination of UV-disinfection and filtration technology
- compact format for under-sink installation

Made in Germany

## PURE 2.4

For commercial disinfection of drinking water disinfection and pools



**Capacities**  
up to 40m<sup>3</sup>/h

- Configurations: 40 W, 75 W, 120 W, 150 W, 240W, 300W
- Perfect fit for water treatment plants and the disinfection of larger water wells
- Simple solution to disinfect swimming pools without Chlorine

Made in Germany

## PURED-TL

Submersible UV-lamps for constant disinfection of water tanks

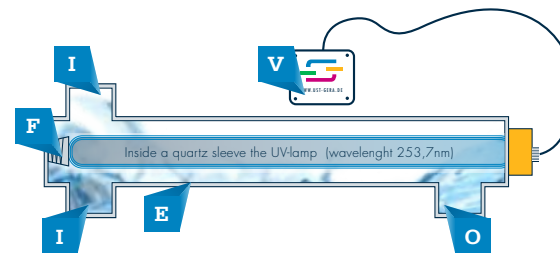


**Variable configurations**  
for any tank design

- Broad range of configurations from 16W to 1200W
- Reinforced quartz sleeve to protect the UV lamp
- Installed at the topside of the tank or fully submersed inside, individual frames for additional stability available

### Scheme PURE WATER systems

The UV-Disinfection guarantees clear water reducing effectively bacteria, viruses, algae and other microorganism.



- I = Input contaminated water
- O = Output clear water
- V = Electronic ballast with robust technology
- E = High quality stainless steel reactor
- F = Incorporated stainless steel socket with a spring to fix lamp and quartz sleeve safely

### How does UV work?

- Fixed inside a stainless steel reactor are a quartz sleeve and a lamp
- **The lamp emits electromagnetic waves with a focus on 254nm**
- At this wavelength the **most effective reduction of germs** is achieved
- The electromagnetic waves at 254nm damage the DNA of any microorganism, stopping effectively its reproduction capabilities
- **UV-disinfection can never overdose.** It's effects are achieved only within the stainless steel reactor and is therefore the safest technology for the disinfection of pools and ponds.
- While the effect of chlorine takes minutes the **UV-disinfection shows effect in only a fraction of a second eliminating bacteria, viruses and algae instantly.**