

UVC Disinfection

Water-C 21000 is an easily implementable UV system used for water disinfection in the fight against unwanted microorganisms in domestic water/circulation systems. Water-C 21000 can inactivate up to 99,99% of bacteria, fungi and viruses in the illuminated area.

Water-C 21000:

- Flexible solution
- Easy implementable
- Proven technology with high UVC performance
- High efficiency with up to 99,99% inactivation
- Compact solution designed for high-status environments.



Used in:

- Liquid systems with process water
- Emulsions and oils
- Opaque liquids such as
 - Juice, Coffee, brine, etc.
- Process materials in liquid state
- Water tanks and reservoirs
- Ballast water



Read more about
UVC here

Technical information:

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The UV unit for water disinfection is mounted directly on the water line, either vertically or horizontally. The unit is made of stainless steel with an inner quartz glass where the bulb is mounted. This allows the bulb to be replaced without turning off the water supply.

All maintenance can be done without the use of tools. Connected with clamps and made in a hygienic design.

At a UVC dose of 10 mJ/cm² under normal circumstances a reduction of E-coli, etc. of up to 99% or more will be achieved.

At 30 mJ/cm² a very high reduction of 99,99% of the common pathogens in water will be achieved with UVT down to 90%

Specifications	
Specifications may vary based on individual configurations	
Product name	Water-C 21000
Lifetime on bulb	Up to 10.000 hours or 3000 On/Off or 2 years from delivery. Avoid many short-term on and off switching.
Number of UVC-lamps per unit	1 pcs.
UVC dose*	300 J/m ² at 21000 l/h with 95% UVT
Length × Diameter	900mm × 85mm
Operating temperature	10-40°C (-5-90°C)
Capacity liter per. hour	21.000 l/t max. 8 bar
IP	67
Electric info	230V – 90 W
Plumbing connection	Clamp flange 77,5 mm, optional 2,5" Internal thread
Power connection	230V / three-pole plug
Weight	5 kg.
Material	Stainless steel 316, ground(Food contact material approved)
Protection against glass shattering	Optional coating of Food contact material approved FEP

*UVC dose is measured at a distance of 100cm accordance with the norm and with the use of an approved ballast.