

UVC Disinfection

Water-C 4000 is an easily implementable UV system which is used for water disinfection in the fight against unwanted microorganisms in process water/ circulation systems and other liquids with low UVT. Water-C 4000 can inactivate up to 99.99% of bacteria, fungi and viruses in the treated area.

Water-C 4000:

- ➔ Flexible solutions for liquids.
- ➔ Easy implementable with hygienic clamp connection.
- ➔ Proven technology with high UVC performance.
- ➔ High efficiency with up to 99.99% inactivation.
- ➔ Compact solution designed for use in environments with high performance requirement.



Used in:

- ➔ Liquid systems with process water
- ➔ Emulsion and oils
- ➔ Opaque liquids like
 - Juice, coffee, brine, etc.
- ➔ Process materials in liquid phase



Read more about
UVC here

Technical information:

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 replacement of the bulb without turning the water off in the meantime.

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

At a UVC dose of 100 J/m² you will under normal circumstances achieve a reduction in E-coli, etc. with up to 99% or more.

At 300 J/m² you will achieve a very high reduction of 99.99% of the commonly occurring pathogens in water with UVT down to 90%.

| Specifications | |
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| Specifications may vary based on individual configurations | |
| Product name | Water-C 4000 |
| 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* | Up to 400 J/m ² at 4000 l/h |
| Length × Diameter | 980mm × 92mm |
| Operating temperature | 10-40°C |
| Capacity per. hour | 100-4.000 l/t max. 8 bar |
| IP | 67 |
| Electric info | 230V – 90 W |
| Plumbing connection | Std. clamp flange 50,5 mm, Optional 1" Internal thread |
| Power connection | 230V / three-pole plug |
| Weight | 4 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.