Water-C 4000 Hot

Disinfection – Without chemicals

UVC Disinfection

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

Water-C 4000 Hot:

- ➔ 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
- ➔ Emulsion and oils
- ➔ Opaque liquids like
  - Juice, coffee, brine, etc.
- ➔ Process materials in liquid phase
- ➔ Waste water and recycled water

Read more about UVC here

Technical information:

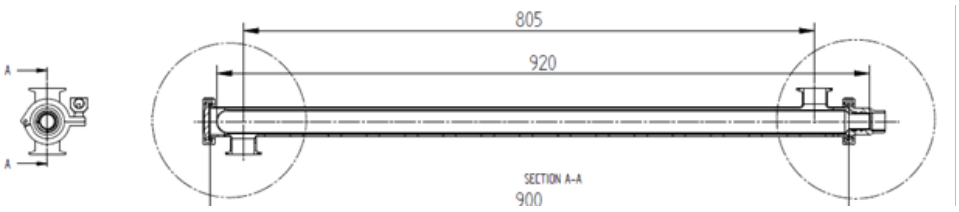
The UV unit is designed to manage high water temperatures up to 65°C.

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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 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/m^2 you will under normal circumstances achieve a reduction in E-coli, etc. with up to 99% or more.

At 300 J/m^2 you will achieve a very high reduction of 99.99% of the commonly occurring pathogens in water with UVT down to 90%.

Specifications Specifications may vary based on individual configurations	
Product name	Water-C 4000 Hot
Lifetime on bulb	Up to 16.000 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
Length × Diameter	980mm × 41mm
Operating temperature	0-65°C
Recommended flow	0-4.000 l/t max. 8 bar
Hot water tank size	100-4.000 l
Heat exchanger size	37-150 kW
IP	67
Electric info	230V – 105 W
Plumbing connection	Std. clamp flange Ø50, 5mm, optional 1” Internal thread
Power connection	230 V/ three-pole plug
Weight	4 kg.
Material	Stainless steel 316 ground
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.