Water-C 8000 Hot

Disinfection – Without chemicals

UVC Disinfection

Water-C 8000 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 8000 Hot can inactivate up to 99.99% of bacteria, fungi, and viruses in the illuminated area.

Water-C 8000 Hot:

- ➔ Flexible solution 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 requirements.



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

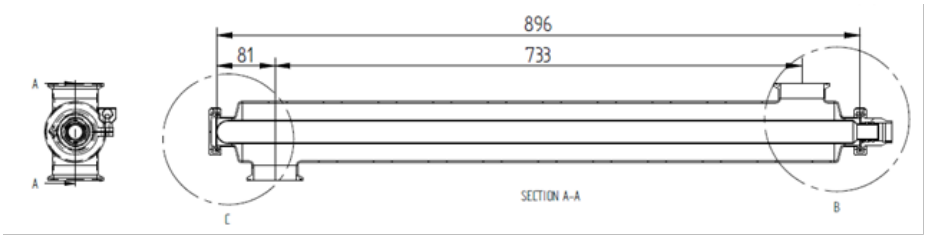
Read more about UVC here.

Technical information:

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

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 Hot 8.000
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 × 85mm
Operating temperature	0-65°C
Recommended flow	4.000-8.000 l/t max. 8 bar
Hot water tank size	4.000-8.000 l
Heat exchanger size	150-350 kW
IP	67
Electric info	230V – 105 W
Plumbing connection	Std. clamp flange Ø77, 5mm, optional 2,5” internal thread
Power connection	230 V/ three-pole plug
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.