

### UVC Disinfection

ND Water 4.000 Hot is an easily implementable UV system which is used for water disinfection in the fight against unwanted microorganisms in process water/ circulation systems. ND 4.000 Hot can inactivate up to 99.99% of bacteria, fungi and viruses in the illuminated area.

#### ND Water 4.000 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



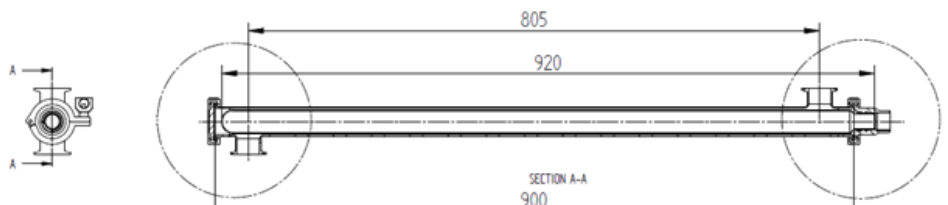
Read more about  
UVC here

#### Technical information:

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

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 10 mJ/cm<sup>2</sup> you will under normal circumstances achieve a reduction in E-coli, etc. with up to 99% or more.

At 30 mJ/cm<sup>2</sup> 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	ND 4.000 Hot
Lifetime on bulb	Up to 16.000 hours   or 3000 On/Off   or 2 years from delivery
Number of UVC-lamps per unit	1 pcs.
UVC dose*	Up to 400 mJ/m <sup>2</sup>
Length × Diameter	980mm × 41mm
Operating temperature	0-65°C
Recommended flow	0-4.000 l/t
Hot water tank size	100-4.000 l
Heat exchanger size	37-150 kW
IP	67
Electric info	230V – 105 W
Plumbing connection	1" Internal/External thread
Power connection	230 V/ Three-pole plug
Weight	4 kg.
Material	Stainless steel 316 ground or electropolished
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.