

UVC Disinfection

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

ND Water 21000 HHC:

- ➔ 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:

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	ND Water 21000 HHC
Lifetime on bulb	Up to 10.000 hours or 3000 On/Off or 2 years from delivery
Number of UVC-lamps per unit	1 pcs.
UVC dose*	300 mJ/m ² at 21000 l/h
Length × Diameter	900mm × 85mm
Operating temperature	10-40°C (-5-90°C)
Capacity liter per. hour	21.000 l/t
IP	67
Electric info	230V – 90 W
Plumbing connection	Flange 77,5 mm DN25 21,3 - 41,0 mm Optional 2,5" Internal/External thread
Weight	5 kg.
Material	Stainless steel 316 (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.