



# Water disinfection

# ND Water 2500 H

## Areas for use:

- Drinking water quality for humans and animals
- Special designed for water up to 90°C

| To be used at:   |   |
|--|---|
| Decentralized unit, for:   | Water tanks in:   |
| <ul style="list-style-type: none"><li>• Factories production line water supply</li></ul> | <ul style="list-style-type: none"><li>• Ships</li></ul>                 |
| <ul style="list-style-type: none"><li>• Laboratory water supply</li></ul>                | <ul style="list-style-type: none"><li>• Trains</li></ul>                |
| <ul style="list-style-type: none"><li>• Food production water supply</li></ul>           | <ul style="list-style-type: none"><li>• Animal transportation</li></ul> |
| <ul style="list-style-type: none"><li>• Breweries water supply</li></ul>                 | <ul style="list-style-type: none"><li>• Any mobile water tank</li></ul> |
| Household's taps   | Water trough  |

## Available for 110-240 V

At transmission of 90% per cm<sup>2</sup> this unit will disinfect 4000 l water/h 99,99% at a dose of 400 J/m<sup>2</sup>.

## Unit description:

The unit is made in stainless steel 1.4571 (316Ti) with an inner bulb made of quartz glass, where the bulb is mounted into. This allows for replacement of bulb without turning of the water, during bulb change. All maintenance is done without tools. The unit has a high effectiveness in a very compact design, and with a low consumption of electricity.

The water runs through the lamp house and passes the quartz tube, where the UV bulb is placed. When the water passes the bulb, the disinfection takes place and all bacteria will be inactivated and the water will be safe.

The units are designed to be mounted horizontal or vertical.



## The UV-Lamps:

The UV-lamps are known for long durability, high grade of disinfection and low energy consumption. The configuration of the unit allows for easy access to changing of the bulb and other maintenance. The Lamps are designed for a lifetime of 8.000 hours

### Technical data:

|                          |                                    |                     |                      |
|--------------------------|------------------------------------|---------------------|----------------------|
| Type & mark              | ND Water 2500 H                    |                     |                      |
| Flow                     | 4 m <sup>3</sup> /t Drinking water |                     |                      |
| UVC-Transmission         | 90% T <sub>1</sub> cm              | Life span on bulb   | 8.000 h              |
| Wartertemperatur         | Up to 90°C                         | Dose                | 400 J/m <sup>2</sup> |
| Housing                  | Stainless steel 1.4571 (316 TI)    | Maximum temperature | 90°C                 |
| Male thread size         | R 1"                               | Working pressure    | 10 bar               |
| Protection               | FPM                                | Type of housing     | IP 65                |
| Measurement (L x Ø i mm) | 928 x 42                           | Electric connection | 110-240 V 50/60 Hz   |
| Flange distance          | 850 mm                             | Effect & fuse       | 106 W & 10 A         |
| Weight                   | 3,4 kg                             |                     |                      |

### Accessories:

- Timer that count the operation hours of the lamp, in order to secure correct bulb change.
- UV-sensor for registration of proper operation when security is needed. The unit will signal (light) when intensity becomes too low.
- UV sensor for operating other equipment, delivers signal in mA
- High voltage cable between the EVG and the lamp, 1m, 5 m or 10 m.
- Mounting set for easy mounting of unit on wall. Includes clamps for stainless unit and clamps for control box.
- Cleaning set for cleaning quartz glass. Special cloth and cleaning liquid.

### Other products in the water family:

Single units for drinking water from 300 l to 4000 l

Multiple for drinking water units from 4.000 l to 40.000 l

Units for:

- Process water
- Ponds
- Climate water
- Aquarium
- Fish ponds
- Pharmacy

UV radiation is dangerous for your skin and eyes! Both your eyes and skin must be appropriately protected from the direct UV light.

The user will be responsible for his own safety, as well as for the safety of people who are staying in areas where these units are being used. Please bear in mind that materials which are not UVC-resistant may be damaged.

Units for other use: Surface disinfection, air disinfection active and passive, Cleanboxes and Tunnels.