

SECURED WATER QUALITY & EFFECTIVE COOLING SYSTEMS

AquaWorker®

UV disinfection solutions for industrial applications, specifically developed for water disinfection in tough environments.



UV FOR SECURING WATER QUALITY

- Reduces bacteria, protozoa, risk for legionnaires disease, cholera, etc.
- Sustainable chemical free operation

SECURED INDUSTRIAL OPERATIONS

- Cooling towers, heat exchangers, etc.
- Industrial, fresh- and salt-water applications
- Avoid fouling and clogging of systems
- Cut levels of aggregated bacteria/biofilms

CORROSIVE RESISTANT & HIGH PRESSURE

- Intake & recirculating systems
- Corrosive resistant titanium material
- High pressure PN10 application

AUTOMATIC UV LAMP CLEANING

- Prevents scaling & fouling on lamp sleeves
- Ensured continuous UV exposure
- No tools necessary for lamp exchange

AquaWorker®

Technical specification

| | |
|--------------------------------------|--------------------------------------|
| Water temperature | 5-40°C (sensor) |
| Water flow one-pass* / recirculating | max 100 m³/h / max 250 m³/h |
| Inlet/outlet dimensions | DN200, EN1092-1 |
| Pressure class | PN10 |
| Reactor material | Titanium grade 2 |
| Sealing material | FPM (Viton), EPDM |
| Ambient relative humidity | max 100% condensating (reactor) |
| Reactor size (WxDxH) | 600x800x1850 mm |
| Electrical | CE, 400V, 50/60Hz, 16A, 1200 W, IP54 |
| HMI | 5.7" colour touch screen |
| Output signal | Relay for alarm |
| Total Weight | 170 kg incl packing |

* Transmittance: 90%, 40mJ/cm²

Patented technology and registered AquaWorker® trademark are property of Wallenius Water Innovation AB.



Deliveries

| | |
|---------------------|-------------------------|
| Kröger Kaldnes | Arla |
| Billund Aquaculture | SPX Johnson Pump Marine |
| Östra sjukhuset | Scania |
| Haikou Haiwangxing | Dafgård |
| Hainan Shuizhongjin | Umeå Energi |
| Haiyang | Clariant Masterbatches |
| Bring Frigo | Falu Energi |
| Yara | Hard Tech |
| Höganäs | Norrenergi |
| Fortum | Volvo Penta |
| Xin Yong Feng | Växjö Energi VEAB |
| Sheng Yi | Hard Tech |
| E-ON | Mälarsjukhuset |
| Min Feng | SAS Radisson |
| Outokumpu | Almody |
| Atlas Copco | SAPA |
| Pilkington | Kemira |
| Emballator Mellerud | Skånemejerier |
| Outokumpu | Volvo Powertrain |
| Nordic Sugar | Unilever |
| Habi Cable | |



WALLENIOUS
WATER INNOVATION

Wallenius Water Innovation is a Swedish company that develops sustainable and profitable solutions addressing significant health, safety, and environmental challenges within a variety of applications and industry segments. The main product families are, FluidWorker® which offers non-toxic and automated control of industrial process fluids, and AquaWorker® used for chemical free disinfection in water systems.