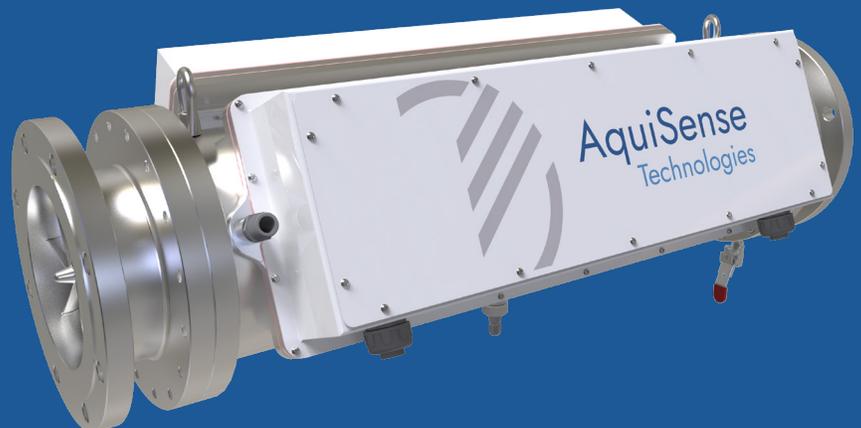


PearlAqua™ Water Treatment

Advanced UV-C LEDs
Patented Reactor Designs
Low Cost of Ownership
Chemical & Mercury Free



PearlAqua Specifications



PearlAqua Micro

Point of Dispense
or Point of Use

- Lamp life up to 10,000 hours
- Highly configurable water and electrical connections
- Disinfection performance 3rd party validated
- Optional UV intensity sensor



PearlAqua Deca

High-flow Point of Use
or Point of Entry

- 5 yr lamp replacement interval
- Dynamic Power Control
- External alarm indicator lights
- Disinfection performance 3rd party validated
- Standard UV intensity sensor



PearlAqua Kilo/Tera

Municipal or Industrial

- Replaceable lamp modules with advanced cooling system
- Stabilized UV-C output power
- Standard DVGW/ÖNorm UV intensity sensor

Common Features

- Utilizes small, state of the art UV-C LEDs
- Advanced reactor design
- Low cost of ownership
- Self-contained in one unit (reactor, light source, ballast, and controls)

SYSTEM SPECIFICATIONS

SYSTEM SPECIFICATIONS		
Max Flow		
8 LPM (2.1 GPM)	45 LPM (12 GPM)	22,712 m ³ D (6 MGD)
Inlet/Outlet Sizing		
Male: 3/8", 11mm, 1/2" other	3/4" MNPT	2 - 20" Flange
Input Power [W]		
2.5 - 14	180 (max)	7,000 - 15,000
Max Operating Temp [°C (°F)]		
45(113) - 50 (122)	30 (86)	30 (86)

Technology

Products

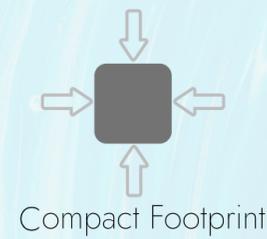
Application

- Mercury Free
- Chemical Free
- Low Power
- Wavelength Selectivity
- Temperature Independent
- No Disinfection By-Products
- Low Maintenance
- Pathogen Inactivation



AquiSense Technologies combines over 100 years of UV disinfection expertise with 20 years of LED research to develop the PearlAqua. First introduced in 2012, PearlAqua is the world's first UV-C LED product designed for water disinfection, now expanded into a full range covering many applications

This system integrates state-of-the-art LEDs into a unique and compact design, without the use of chemicals or mercury-based lamps. LEDs also allow for instant full-intensity power, unlimited cycling, remote start/stop, and no heat transfer into the process fluid.





Product Certification



Microbiological testing in accordance with US EPA drinking water guidelines.

PearlAqua systems are compliant with NSF/ANSI-61 for material safety and NSF/ANSI-372 for lead-free compliance.



The PearlAqua Micro is tested and certified by NSF International against NSF/ANSI 55-2019 for materials and structural integrity requirements.



About AqiSense Technologies

AqiSense Technologies is the global leader in UV-C LED systems design and manufacture. They work with leading LED manufacturers to evaluate their devices and then deploy them into efficient disinfection products. Using a combination of patented technology and in-depth know-how, AqiSense integrates LED devices into products that solve real world problems in water, air, and surface applications. AqiSense Technologies is a wholly owned subsidiary of Nikkiso America Inc. and is a part of the Nikkiso Group of companies.

Distributed by:



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