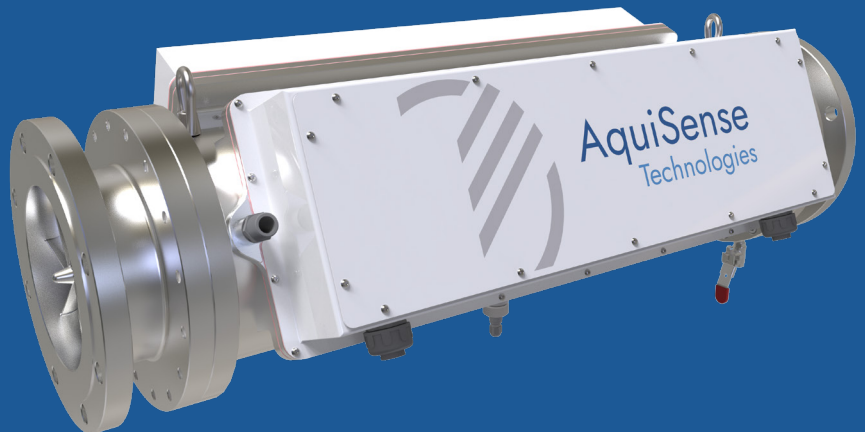




# PearlAqua™ Water Treatment

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

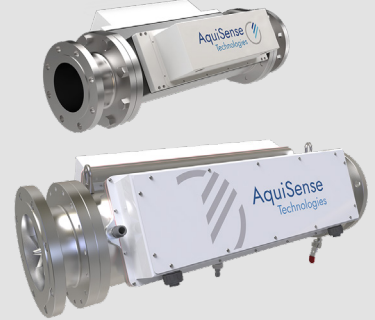
- Lamp life up to 10,000 hours
- Highly configurable water and electrical connections
- Disinfection performance 3rd party validated
- Optional UV intensity sensor



## 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

Max Flow		
8 LPM (2.1 GPM)	45 LPM (12 GPM)	22,712 m <sup>3</sup> 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





## 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 Aquisense Technologies

Aquisense 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, Aquisense integrates LED devices into products that solve real world problems in water, air, and surface applications. Aquisense Technologies is a wholly owned subsidiary of Nikkiso America Inc. and is a part of the Nikkiso Group of companies.

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