

UVC Disinfection

PearlAqua Micro is an easily implementable LED UV device used in the control of unwanted microorganisms in drinking water. PearlAqua Micro uses small UVC LEDs to inactivate microorganisms without the use of harmful chemicals.

PearlAqua Micro:

- Small compact unit
- Easy to implement
- High efficiency with up to 99.99% inactivation
- Unit with continuous monitoring
- Well proven UVC LED
- Low power consumption



Used in:

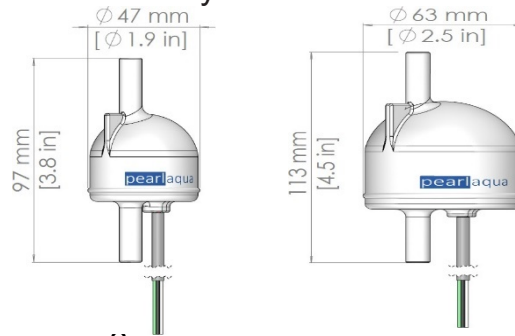
- Water tap
- Caravans
- Boats
- Tapping point



Read more about
UVC here

Technical information:

The UV Water disinfection system is mounted directly on the water line vertically. PearlAqua Micro has built-in UV sensors and LED indicators. The units have a lifespan of up to 10.000 hours before needing replacement. The unit is not affected by the number of on/off cycles.



At a UVC dose of 10 mJ/cm^2 , under normal circumstances, a reduction of E-coli, etc. of up to 99% or more will be achieved.

At 30 mJ/cm^2 , a very high reduction of 99,99% of common pathogens in water will be achieved with UVT down to 90%

Specifications				
Specifications may vary based on individual configurations				
	Micro 6A	Micro 3B	Micro 6B	Micro 12c
Max pressure (bar)	2	8,3	8,3	8,3
UVT (%)	>95	>95	>95	>95
Water temp. (C°)	0-30	0-50	0-50	0-45
Dose contra flow	Dose (mJ/cm ²)	30	40	30
	Flow (L/min)	2	0,25	0,5
Dose contra flow	Dose (mJ/cm ²)		10	10
	Flow (L/min)		1,2	2
Expected lifespan (Hours)	5.000	10.000	10.000	10.000
Electric info	12V	12V or 24V	12V or 24V	12V or 24V
Plumbing connection	3/8"	3/8"	3/8" or 1/2"	3/8" or 1/2"
Weight	77g	77g	162g	162g
Material	Plast	Plast	Plast	Plast