

UVC Disinfection

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

PearlAqua Micro AutoMate™:

- ➔ Small compact unit
- ➔ Easy to implement
- ➔ Flow sensor
- ➔ High efficiency with up to 99.99% inactivation
- ➔ Unit with continuous monitoring
- ➔ Well proven UVC LED



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 AutoMate™ has built-in UV sensors and LED indicators. PearlAqua Micro AutoMate™ has a built-in flow sensor that turns the UV LED on/off depending on whether there is a flow. The units have a lifespan of up to 5.000 hours before it needs to be replaced. The unit is not affected by the number of on/off cycles.

At a UVC dose of 10 mJ/cm², under normal circumstances, a reduction of E-coli, etc. of up to 99% or more will be achieved.

At 30 mJ/cm², 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 6B	Micro 12c
Max pressure (bar)	8.3	8.3
UVT (%)	>95	>95
Water temp. (C°)	0-45	0-45
Dose contra flow	Dose (mJ/cm ²)	10
	Flow (L/min)	2.0
Dose contra flow	Dose (mJ/cm ²)	16
	Flow (L/min)	On request
Dose contra flow	Dose (mJ/cm ²)	40
	Flow (L/min)	On request
Expected lifespan (hours)	5.000	5.000
Electric info	12V	12V
Plumbing connection	3/8"	3/8"
Weight	146g	231g
Material	Plast	Plast