

UVC Disinfection

PearlAqua Deca 12C2 is an easily implementable LED UV unit used to battle unwanted microorganisms in drinking water. PearlAqua Deca 12C2 uses small UVC LEDs to inactivate microorganisms without the use of harmful chemicals or mercury.

PearlAqua Deca 12C2:

- Small compact unit
- Easy implementable
- High efficiency with up to 99,99% inactivation
- Unit with continuously monitor
- Tested UVC LED



Used in:

- Faucets
- Caravans
- Boats
- Systems with separate hot/cold water
- Tapping point



Read more about
UVC here

Technical information:

The UV Unit is for water disinfection is mounted directly on the water line vertically. The unit consists of 2 chambers with LED UVC in each. The unit has a flow switch in both chambers, which turns the unit on and off depending on the water flow. The unit has built-in UV sensors and LED indicators. The unit has a lifespan of up to 10.000 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	
Product name	PearlAqua Deca 12C2
Lifetime on bulb	Up to 3.000 hours Around every 5 years
Number of UVC-lamps per unit	2 stk.
UVC dose*	120 J/m ² per chamber
Length × Height × Width	150mm × 75mm × 110mm
Water temperature	0-40°C
Capacity pr. hour	0-40 L/min
Electric info	12 V – Max 30 W
Plumbing connection	3/8" internal/external thread
Weight	0,400 kg.
Material	Plast