



Alde AquaClear UV-C

Intelligent water disinfection

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PRODUCT DESCRIPTION

Alde AquaClear UV-C is designed with high quality, versatility, small footprint and cost efficiency in mind. The target applications include integration in water dispensers. It is also suitable as a stand-alone product in e.g. marine, RV applications, preferably in combination with a filter.

AREAS OF USE (examples)

Transportation, Marine, RV, Rail

FEATURES

Functionality

- Dose delivery*:
Alde UVC - 10 mj/cm² @3,8 lpm*/ Eliminates up to 99,9999% of harmful microorganisms
- LED life span ≤5 000 h active time
- Flow rate max 8 lpm
- No maintenance

Environment

- Water temperature 0-45 °C while active
(high water temperature may reduce life span)
- Air temperature 0-45 °C
- Working pressure 7 bar
- Peak pressure 21 bar
- IP67 classification

Electrical

- Connection with 4-core fixed cable
- 12 VDC regulated input power
- Optional external status signal

Regulatory

- CE certified
- Material in contact with water complies with the EU Drinking Water Directive 98/83/EC
- Complies with IEC 62368-1 (fire regulations for low voltage electronics)
- Installation description according to Industry Rules Safe Water Installation 2021:1 by Safe Water, the Swedish association for authorized plumbing companies
- Accredited third-party validation
Intelligent water disinfection

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SYSTEM DESCRIPTION

Our patented system consists of a reactor where a water flow is exposed to UV-C light. We offer Alde AquaClear UV-C, with a combination of architecture, materials, mechanics, fluid dynamics and intelligent software optimizing the UV-C light to achieve maximum disinfection performance.

DIMENSIONS

The Alde AquaClear UV-C is constructed for installation as close to point of use as possible in order to minimize risk of contamination from pipes inside/outside the premises. Easy installation means lower installation costs. And ease of service, if needed.

Weight 255 g
Installation length 117 mm
Diameter 50 mm

Packaging

Products are delivered with bracket, fittings and connectors.

Box quantity 1
Boxed size L276xW180xH96 mm
Boxed weight x.xx kg



Disinfection function

Overview:

	Neutralizes	Reduces	Improves
E-coli bacteria	✓*		
Legionella bacteria	✓*		
Chlorine	✓		
Smell	✓		
Pesticides		✓	
Heavy metals		✓	
Taste			✓

* 99.9% at a water flow <4.0 liters per minute

Bioanalysis validated by accredited 3rd party laboratory.

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