

AquaLegioCon (ALC)

Disinfection

Product Information

Aquaworx

1. Application

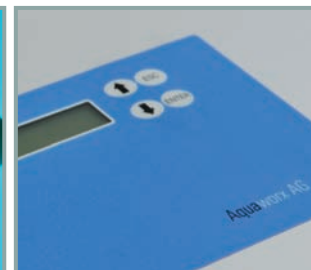
- Nursing homes
- Hospitals
- Hotels
- Pools
- Public buildings

Safety for your guests and patients!

- Drinking water
- Hot water
- Pipework
- Legionella
- Remedial action
- Operating and energy costs

2. Solution

AquaLegioCon (ALC)



3. Offer

Holistic system for legionella management
The solution to your problems!

- Certified and controlled safety (as of autumn 2008)
- Drinking water disinfection/ water purification
- Sterilization of pipework
- Legionella prophylaxis
- Hot water disinfection
- Reduced energy consumption
- Modification of shunt stubs to loop lines

4. Service

Service

- New and old housing redevelopment
- »One« contact person
- Status record
- Supply and consultancy service
- Planning, assembly & Installation
- On-site service
- Documentation, maintenance & control

Contact:

Aquaworx Deutschland GmbH
Pettenkoferstraße 22
D- 80336 Munich

Phone +49 (0) 89-20 60 44-560
Fax +49 (0) 89-20 60 44-569

info@aquaworx.de
www.aquaworx.de

AquaLegioCon (ALC) Disinfection Technology

Aquaworx



AquaLegioCon is a comprehensive, Legionella Management System. Taking local conditions into consideration, such as existing pipe systems and shunt stubs for example, we have developed a specific solution for nursing homes, hospitals, hotels and swimming pools for legionella prophylaxis.

Optionally, the AqualegioCon can combine the use of a »pipe in pipe« system with our AquaTriLight disinfection system.

The pipe in pipe system modifies shunt stubs to loop lines. This minimizes the hazard potential of stagnating water and enables permanent cleaning of the circulating water by means of AquaTriLight's combined UV- and ultrasonic technology.

The system operates in the hot water circuit at up to 80° C. The average water temperature can be reduced by using AquaLegioCon. This results in a direct saving of energy as well as purification.

Water filtration using UV-light & ultrasound

Disinfection is achieved using ultraviolet light. The DNA of the microorganisms is permanently damaged.

Exposure to intensive near-field radiation of ultrasonic waves results in strong cavitation forces which break through the cell walls of the germs.

Germ agglomerations are destroyed; host cells and legionella are selected and can be killed effectively by the UV-light.

Incorporating UV-light and ultrasonic waves in one system combines the advantages of both of these technologies in a way unknown until now. The ultrasonic waves do not only destroy germs but also constantly clean the casing duct of the UV-lamp and the housing. This reduces the maintenance requirement to a minimum. The patented layout of the sound generators produces a strong composite field providing a more effective UV-light passage.

The ever-clean surface of the UV casing duct leads to exceedingly high performance during its entire operating life. AquaTriLight with a flow rate of 10 m³/h has been certified to ÖNORM and DVGW for drinking water disinfection.

Advantages

- Certified system (as of autumn 2008)
- Constantly high performance
- User-friendly
- Low space requirement
- Comprehensive "as-is" analysis
- All-in-one service
- Low energy costs
- Without the use of chemicals