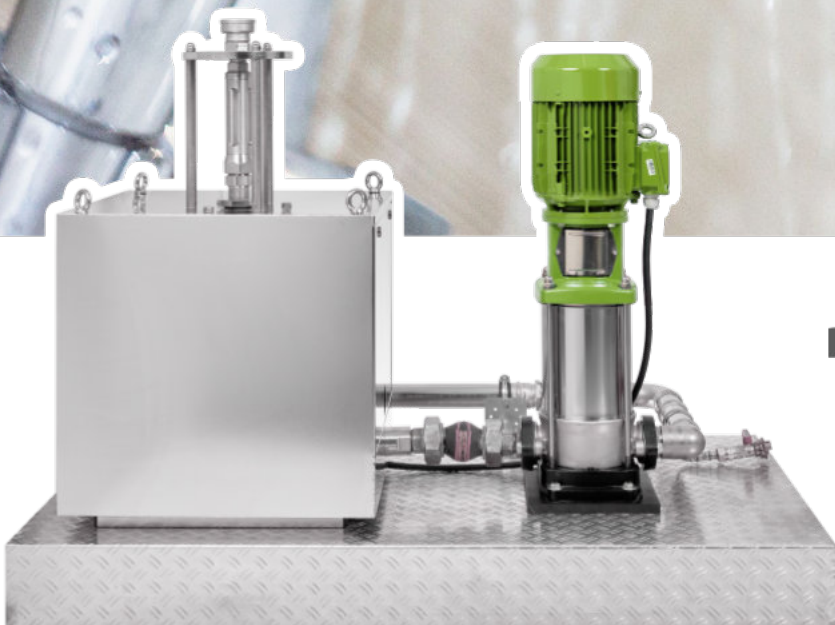


MADE IN GERMANY

VISION AQUA®



Permanently legionella-free hot
water without biocides and/or
thermal disinfection

VA-Hydro



What to do against Legionella in hot water?

The presence of Legionella in hot water pipes is a serious problem for property owners, property managers, landlords and hotel operators, as they can multiply quickly, especially in old pipes and due to energy conservation.

Traditional methods of combating Legionella have disadvantages: Thermal disinfection is time-consuming and expensive, while biocides harmful to health and the environment lose their effectiveness over time. In addition, biocides are only approved for a limited period and will gradually be banned by the new Biocide Ordinance. It will then no longer be possible to purchase them.

The good news is that VA-Hydro is a highly effective alternative to thermal disinfection and biocides. It was developed based on a hydrophysical process.

The VA-Hydro has been proven to reduce bacterial colonies in warm water in a safe and energy-efficient manner.

Functional principle of hydrophysical water treatment

Very high flow and cavitation forces are generated in the reactor chamber of the VA-Hydro, which mechanically destroys the microbiological material of bacteria without the use of chemicals.



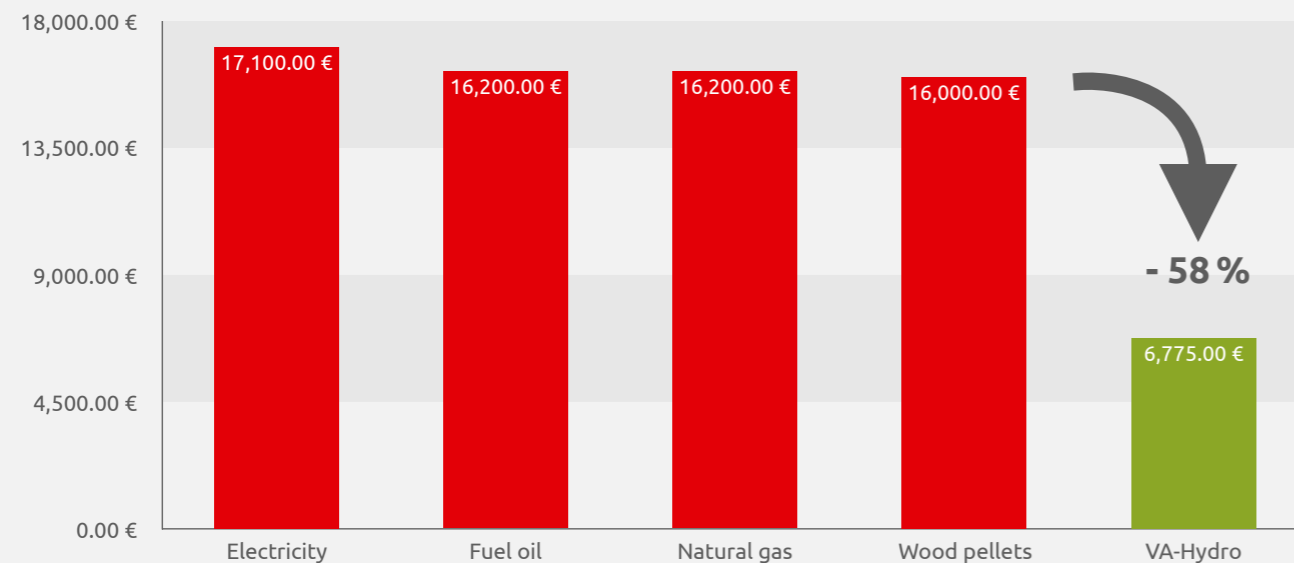
Established technology with over 1,000 systems in use worldwide

A sustainable and environmentally friendly technology for treating warm water without chemicals and thermal disinfection is offered by VISION AQUA® with its patented VA-Hydro, which is already in use at a wide variety of locations worldwide.

Reduce costs

The VA-Hydro replaces conventional thermal disinfection, thus enabling considerable savings in the costs for warm water preparation and using electricity, fuel oil, natural gas and wood pellets. In our calculation example, using the VA-Hydro leads to an impressive total saving of around **58 % per year**.

Example cost saving by using the VA-Hydro



VA-Hydro Complete

The VA-Hydro Complete is the ideal complete package for warm water preparation in properties with residential units, offices and hotels. All the necessary components are pre-assembled ex works and tailored to individual customer requirements. This eliminates the need for tedious assembly of individual components, significantly simplifying installation. The sound-insulating housing additionally reduces the noise level to a minimum.

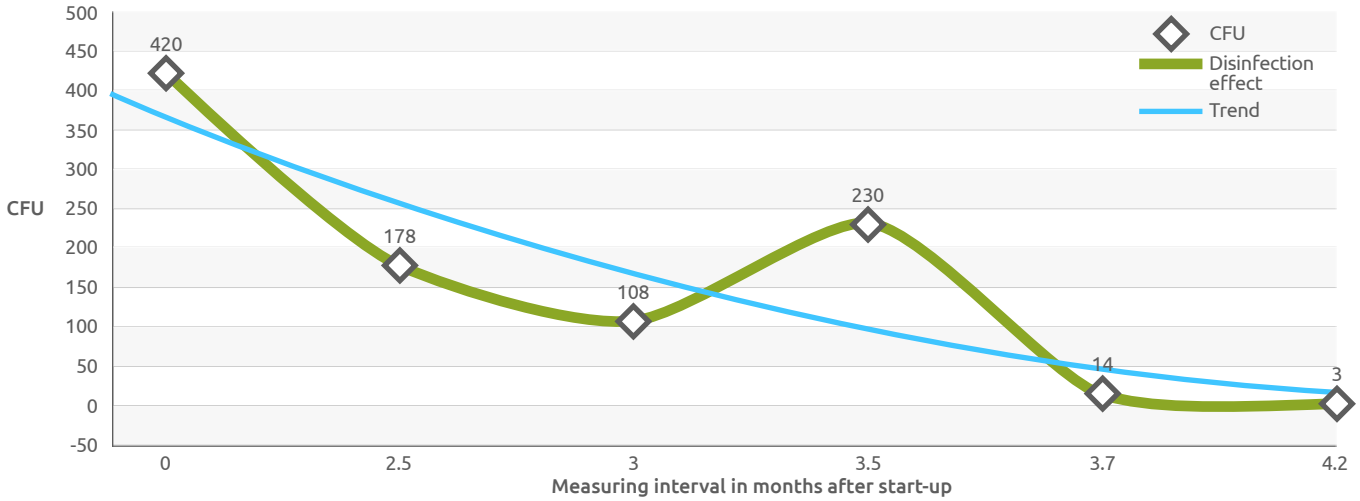
Thanks to the sturdy frame in Euro pallet size, the transport and positioning of the entire system is extremely convenient. This allows it to be moved effortlessly to the desired location. The complete pre-assembly and the well-thought-out design allow smooth commissioning, which requires less time and effort.

The VA-Hydro is available in different sizes with flow rates from **0.1 up to 51 m³/h**. Perfect for all applications and **your needs**.

Disinfection effect VA-Hydro

The VA-Hydro destroys bacteria and germs exceptionally efficiently. With continuous use, their numbers are drastically reduced. Temporarily, there may be an increase when Legionella nests are flushed out of the pipes. But once these nests are removed, the bacteria count drops rapidly and remains permanently low.

Colony forming units in warm water



Did you know that the VA-Hydro removes dangerous Legionella and all gram-negative bacteria, biofilms, algae and fungal spores from the water?

Warm water treatment with biocides

- Hazardous material storage & documentation
- Safety instruction
- High maintenance effort
- Risk assessment
- Personal protective equipment
- Emergency plan
- Negative structural effects due to biocides
- High control and security effort
- Contingency management
- High disposal costs

Warm water treatment with the VA-Hydro

- Easy implementation
- Low energy consumption
- No follow-up costs
- Minimal spare parts inventories
- No special operator training
- Low service effort
- No hazard potential
- Environmentally friendly & sustainable

Convince yourself about the VA-Hydro today!
 Call us at +49 (0) 8441 79 79 738

Learn more about our products and capabilities

VISION AQUA® is your technology partner for ultra-pure drinking water in every situation. In addition to ultra-pure water solutions for industrial and medical applications, we also produce water treatment systems for office kitchens and private end users.

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