

## Prevent Legionella copper- silver ionisation

### Innovative purifying technology

Copper and silver have been used for centuries for their strong disinfecting qualities. In today's technologies, copper-silver ionisation is a mature disinfection method, tried and tested in many different applications. It is among other things used to control Legionella, the bacteria responsible for Legionnaires' disease.

#### DISINFECTION USING COPPER & SILVER

The process of ionisation releases ions when water flows through a flow cell containing copper and silver electrodes. Ions are then carried along in the flow throughout the piping system, penetrating and affecting biofilm along the way.

#### EFFECTIVENESS

Since the ionisation process disinfects the entire water system, it is a highly effective way of continuously combatting Legionella in your water supply systems. Even when piping onboard is heavily corroded with biofilm, or recurring Legionella problems.

#### USES OF COPPER-SILVER IONISATION

- When piping on board is heavily corroded and filled with biofilm.
- When large piping systems require high concentration of chlorine dosing.
- When problems with Legionella occur frequently.
- To prevent yearly shock treatment.
- To ensure safe water on board.
- Rarely used pipes and taps

#### PROVEN TECHNOLOGY

Since early 2000, the copper-silver ionisation technology has globally been used in potable water distribution systems found in large buildings or structures like hotels, hospitals and other health facilities. Highly adopted in the innovative super yacht industry and marinas, and by now frequently used by the entire maritime and offshore industry.

Over the last 20 years, ionisation has been used for disinfection water supplies of hospitals, hotels and industrial applications as well as maritime vessels and structures. The Norwegian NiPH/FHI guidelines included copper-silver as an effective disinfection method in their guidelines.

#### APPROVALS

- KIWA certified including approved materials
- Dutch Board for the Authorisation of Plant Protection Products and Biocides (Ctgb)
- World Health Organisation, UK L8 Approved Code of Practice
- NSF compliance

#### BENEFITS OF COPPER-SILVER DISINFECTION

One of the main advantages of using copper-silver ionisation for disinfection purposes, is the safety of 100% Legionella protection. Even better, your complete water supply system is protected and for a longer period of time as well. Without damaging the plumbing infrastructure. To be used in hot or warm water. Copper-silver ionisation is a user-friendly, safe disinfection method which is effective even in stagnant water. Its effectiveness can be monitored digitally.

#### COPPER-SILVER SOLUTIONS

One of our disinfection solutions, which uses copper-silver ionisation technology is the ICA system. ICA has proven itself to be an effective copper-silver ionisation method. This system uses a flowmeter to determine the exact amount of water being used and accordingly regulates the ionisation process, dosing copper and silver ions as required.

#### STATUS MONITORING

With ICA, the disinfection status of water systems can be checked remotely. The ICA ServiceLink web portal which can be accessed online at any time, from anywhere and on any device. This service delivers readouts, settings management and data logs of the device providing users with useful information.

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