



HATENBOERWATER

Fresh in water since 1906.

Fresh Water Silver Ion Sterilizer HWSIS-15D

The Hatenoer-Water Silver Ion Sterilizer is a disinfection method for fresh water, approved by MCA. Silver was already used for its bacteriostatic effect in the old Roman times and is nowadays developed in a modern technology used to dose the silver ions in controlled conditions. The silver ions prevent microbiological growth during storage of the fresh water in the fresh water tank(s).

An advantage of silver ions in the little concentration used is their safeguard for human and animal life. Further silver ions have no effect on smell, taste, pH and color of the water. The silver ions have a long impact in the water storage and distribution system to avoid bacteriological contamination.

The amount of silver ions in the treated fresh water is well below the maximum amount as specified by WHO and European directives.

The Hatenoer-Water HWSIS15D system is an easy-to-use, plug-and-play system, suitable for bulkhead mounting. It consists of a base plate containing the electrical control cabinet, the electrode chamber and accessories such as flow control valve, flow sensor, pressure gauge, shut off valves.

The dosing is controlled by an advanced micro processor system which makes sure that the right amount of silver is discharged depending on the total measured water flow. Operation is through a user-friendly menu.

Optionally a solenoid valve can be installed, for automatic shut off of the water flow in case of failure. At the same time an alarm will be generated. All used materials are highly corrosion resistant suitable for maritime conditions.

The HWSIS-15D system is capable to treat an amount of max. 15 m³/h. The system is installed in a by-pass line, therefore only partial flow of the mainstream will be treated with silver ions.

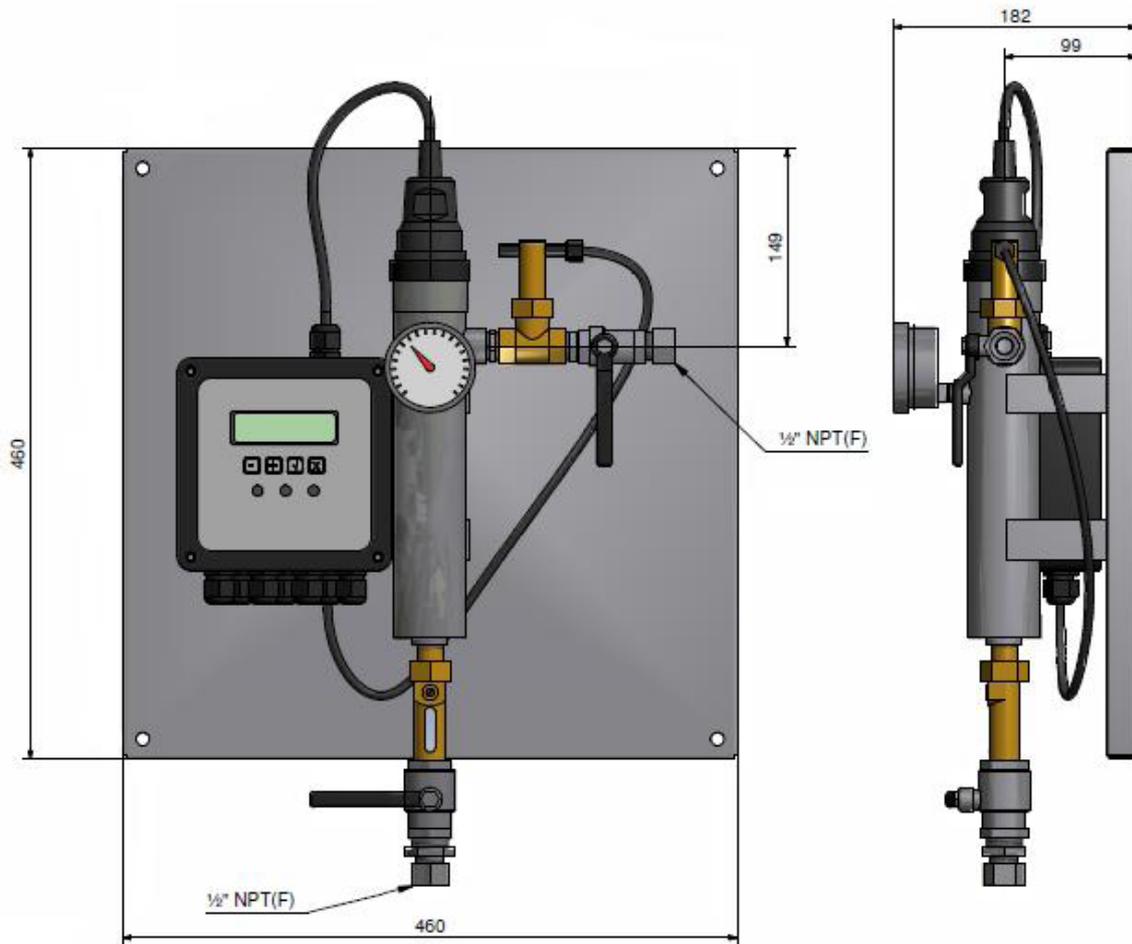
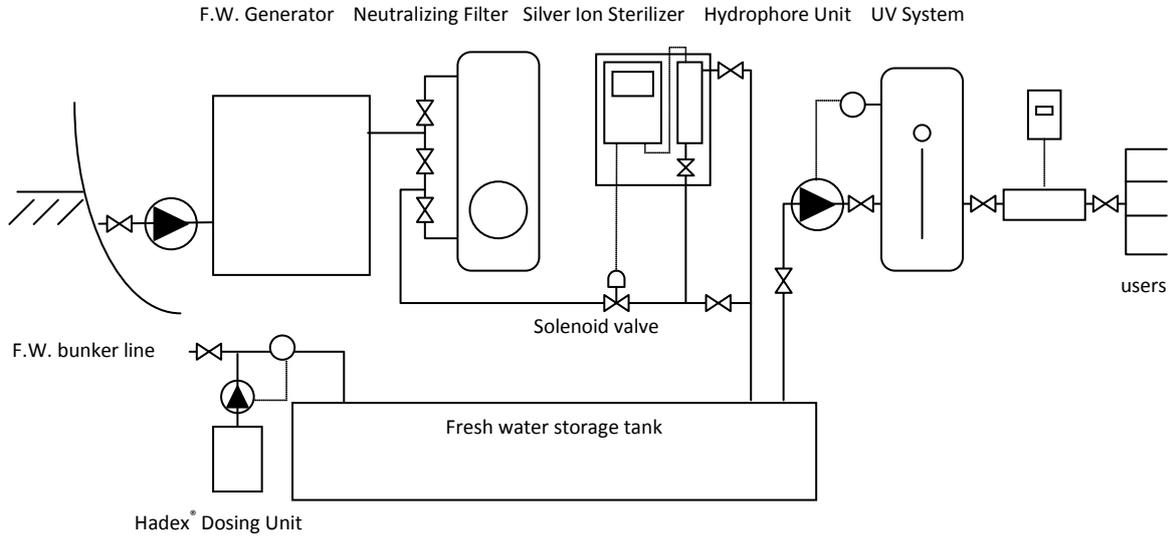
The HWSIS system can be combined with an automatic Hadex[®] dosing unit for the fresh bunker water and an UV disinfection system as a second barrier after the hydrophore unit (Hadex[®] is an approved fast acting chlorine based drinking water disinfectant).



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Schematic overview of a maritime system:



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