

AQUANELLA® INSTRUCTION MANUAL



Description of Unit

The Aquanell® TS (Tank Shower) immersible range provides immersed protection for stored cold or . The range is modular, and the modules can therefore be used singularly, or in combination with others, to provide protection for specific volumes. This modularity enables a cost effective treatment program, from the small to medium/large-sized installation. The Aquanella® TS product contains Ionamix water treatment media, which provides a non-chemical, non-powered, environmentally friendly, and cost effective, disinfectant system for the control of pathogenic bacteria and bio-film, and the inhibition of scale and rust, in water systems.

AQUANELLA® IS OFFERED BY FSI AS FOLLOWS:

F-AQ-350® Aquanella® Stick - 350 litre (approx. 92.5 Gallon) Safety Tank Shower Up to three (3) years of protection against bacteria infestation, scale inhibition, and corrosion. A very cost effective product available today.

F-AQ-800® Aquanella® Stick - 800 litre (approx. 210 Gallon) Safety Tank Shower. Up to three (3) years of protection against bacteria infestation, scale inhibition, and corrosion. A very cost effective product available today.

F-AQ-1200® Aquanella® Stick - 1200 litre (approx. 315 Gallon) Safety Tank Shower. Up to three (3) years of protection against bacteria infestation, scale inhibition, and corrosion. A very cost effective product available today.

F-AQ-2000® Aquanella® Stick - 2000 litre (approx. 526 Gallon) Safety Tank Shower. Up to three (3) years of protection against bacteria infestation, scale inhibition, and corrosion. A very cost effective product available today.

How it Works

Ionamix is comprised of a combined media of specially formulated active ceramics and a silver and copper matrix, each of the media displaying effective bactericidal properties, their effectiveness being enhanced when the medias are combined. The activity constantly releases a species of dissolved oxygen, which permeates a body of water, while a process of transient silver ionisation takes place on contact with the media. Placing the Aquanella® TS unit inside a body of water in a tank will initiate the process. For the unit to function effectively it must be fully immersed in water.

Installation

For best results ensure the tank into which the unit is to be fitted is clean. If not then treat and clean the tank ensuring removal of Biofilm and sediment. The tanks must also be compliant with current water by-laws which include measures to prevent ingress of debris and insects. (see water by-law requirements , available from your local authority). Unpack the product from the packaging and place into the tank ensuring that the unit is fully immersed in water. The unit will only function properly if fully immersed. Also ensure that the volume of water has been sized to the correct unit . The unit can be placed along the bottom of the tank or installed in an upright position. If installing the unit in a hot water tank then the casing must be constructed in stainless steel.

Operation

Once immersed in a body of water within the tank the unit is fully functional and requires no further operational instructions. Provided the installation instructions are adhered to the unit will operate for one year to inhibit the growth of pathogenic bacteria such as legionella and E-Coli. It will also inhibit the growth of scale rust and bio film. These units will only inhibit the growth of pathogenic bacteria within the tank. Although there may be some downstream effect it is not guaranteed to treat the system beyond the tank. The media is not effected by chemical dosing of the system before or after installation. The product is designed for use with potable and non-potable water.

Testing

After initial installation we recommended that the system is tested once a month for TVC for the first 6 months to ensure that it is working. If the system is then shown to be operating within the guidelines then this testing may be dropped to every quarter and finally every 6 months.

Health & Safety

This product is manufactured using WRAS approved materials Any emissions from the product fall within the UK health and safety guidelines for products used in potable water Efficacy tested by Southwest water laboratories in Exeter and Thames Water PLC .

Maintenance

No maintenance is required on these units other than to ensure as per the installation instructions that the tanks are clean and sealed to prevent any ingress of foreign matter as specified by water byelaws. At the end of the 3 years the units should be removed from the tank and replaced with a new unit.

FAQ's

- Q. How soon after I fit the product should I test it?
A. 1 Month
- Q. Is the product approved ?
A. All items are WRAS approved.
- Q. How do I know when to change it?
A. At the end of 3 years the unit should be removed from the tank and replaced with a new unit..
- Q. Can I still treat my system with chemicals
A. The units are not adversely effected by standard disinfection products