

EQUIPMENT DATA SHEET



HUGHES NORTH AMERICA INC.

Hughes Water Treatment Module

- **Constant protection against legionella**
- **Inhibits harmful pathogens**
- **Improves water quality**
- **Simple to fit**
- **Cost effective alternative to chemicals and UV treatments**
- **Reduced maintenance cost**
- **No power required**



The module contains a combination of active ceramic and noble metal media. (NOT CHEMICAL) They provide constant protection against infestations of pathogenic bacteria in water treatment systems. Immersed in water, the complex integral electrolytic activity of the ceramic media produces constant oxidising, while the noble metal in the form of a fine matrix format produces ionisation. The ionisation of the noble metal is enhanced by the activity of the ceramic media and the combined effect is to act as a POWERFUL DISINFECTANT producing exceptional kill rates against pathogenic bacteria.

The additional benefit is the electrolytic activity of the ceramic media produces a chemical re-action that balances the pH of the water. This results in additional benefits in the form of Scale Inhibition and Corrosion Prevention.

Tank maintenance will only be required to remove any deposits from the incoming flow. Bio-fouling does not occur and regular tank cleaning is no longer necessary. With a balanced pH and the absence of toxins and taste associated with chemicals, the water is both pleasant and safe to use.

The modules protect the water from bacteria infestation, scale inhibition and corrosion with optimum effect for a period of 3 years (dependent on the condition of the incoming water flow).

The media is totally inert whilst out of water and therefore presents no handling issues. The media is approved by the WRC (The Water Research Commission) and it's performance by NAMAS accredited laboratories. It also complies to BS6920 Part 1 and meets the standards of Water ByLaws scheme here in the UK. They also comply with the COSSH regulations.

Available Modules			
Tank Size	Hughes Ref	Length	Diameter
350 Litre	AQ35	190	63.5
750 Litre	AQ75	345	63.5
1200 Litre	AQ120	445	63.5
1600 Litre	AQ160	620	63.5
2000 Litre	AQ200	770	63.5

Hughes Water Treatment Module Installation Instructions

Units Purpose

The Non-chemical disinfecting module is designed to be immersed in water storage tanks and vessels to provide constant protection from bio-film and hazardous levels of pathogenic bacteria, including Legionella.

Selection

The units are selected according to the capacity (volume) of the vessel holding of stored water.

Installation

The module should be fully immersed in the water to be treated, together with further units where necessary to treat the volume of water present.

They may be placed on the bottom of the tank, or leant against the tank corner if required, and the nylon cord that is attached to one end of the unit (used for retrieval) or secured to a position inside the tank that can be reached when the occasion demands

Maintenance

Depending on the amount of sediment generally experienced with particular water supplies to the tank, the unit should be inspected on at least a 6 month or annual basis. In the event of a build-up of sediment, the unit and tank should be thoroughly washed in clean water (under pressure where possible).

In some rare conditions a film may coat the surface of the media. This may have a slight effect on performance and the media should therefore be immersed in acetic acid (vinegar is a common format) for a minimum of 30 minutes to remove the film. After rinsing with water the unit can then be returned to the tank.

When installed correctly the module will provide the protection required. However, it is recommended that all systems should be regularly monitored.

The optimum operating life of these units is 3 years, after which they must be replaced to ensure complete protection.