

Huwa-San TR-50 Constant Dosing of Water Systems



What: Huwa-San TR-50

Where: Commercial water systems such as in hospitals, office blocks, care homes or transport systems.

When: Huwa-San TR-50 should be used for constant dosing, following a disinfection using any of the Huwa-San products.

Why: The constant dosing of Huwa-San TR-50 should be considered 1) when water systems cannot achieve compliance using traditional temperature control, 2) there are legionella problems, or microbiological problems associated with the water systems, 3) the end user would like to achieve energy savings by using biocidal control rather than temperature control, 4) an additional method of control to temperature in a hospital setting.

How:

Step 1) Disinfect the water system using the help sheet: The low level disinfection of commercial water systems. This will ensure system cleanliness prior to starting constant dosing of Huwa-San TR-50.

Step 2) Fit a constant dosing system. This system will consist of:

1) System Bypass

The system bypass has been specifically designed and constructed for SafeSol. It is made from mPVC plastic and houses the water meter and pump injection fitting. It is fitted with two isolation valves so that it can be easily separated from the rest of the main system when maintenance is required.

2) Water Meter

The water meter is connected to the dosing pump with a flying lead. The flying lead sends a signal to the dosing pump to ensure accurate dosing in line with water use.

3) Injection Fitting

This is a polypropylene fitting with a non-return valve BSP M ½" x 4x 6 mm hose connection. It is fitted into the system bypass. There must be at least 10 cm of plastic between the injection point and the copper pipework of the water system to allow for the Huwa-San to mix with the water. Huwa-San TR-50 would corrode copper as a neat product.

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4) Intelligent Pump with a Degas Head

The pump is connected to the water meter with a flying lead. This lead allows a signal to pass from the water meter to the pump. The pump can be programmed to dose to a specific level.

5) Chemical Tanks and Bunds

The Huwa-San will be stored in a chemical tank with a suitable bund.

Step 3: The system should be set up to dose 10-20ppm peroxide within the water system. This will allow the water to remain sterile.

Constant dosing is not as complex as it sounds, however, SAFESOL is on hand to help. Please contact us on 0191 447 8008 if you require further information.

Huwa-San TR-50 Health and Safety

SAFESOL advocates the use of appropriate safety equipment when using any chemical. Please refer to the MSDS sheet prior to use.

In hospitals, never do an Huwa-San TR-50 disinfection if there is a dialysis unit or laboratory linked to the water system or if there is the possibility of Huwa-San TR-50 getting into the water supply to these units.

Before using any chemical, you should always reference your in-house Risk Assessments and Method Statements.