

## HuwaSan TR50 Constant dosing of water systems



**What: HuwaSan TR50 (Previously EndoSan50)**

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

**When:** HuwaSan TR50 should be used for constant dosing, following a disinfection using any of the HuwaSan TR50 products.

**Why:** The constant dosing of HuwaSan TR50 should be considered 1) when water system 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.

**How:**

**Step 1)** Disinfect the water system using the helpsheet THE DISINFECTION OF COMMERCIAL WATER SYSTEMS

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

**A System Bypass**

The system bypass has been specifically designed and constructed for SAFESOL. It's made from mPVC plastic and houses the water meter and dosage injection fitting. It's fitted with two isolation valves so that it can be easily separated from the rest of the main system.

**A Water Meter**

The water meter is connected to the dosing pump with a flying lead through which it sends a signal to the dosing pump to ensure accurate dosing.

**An Injection Fitting**

This is a polypropylene fitting with a non-return valve BSP M 1/2" x 4x 6 mm hose connection.

**Intelligent Pump with a Degas Head**

This pump is designed with a reinforced polypropylene case to IP65. There's frequency and stroke length for optimum results. It's easily programmed from its front fascia display panel and is highly chemically resistant with a priming head as standard. It has a 2 line liquid crystal display.

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 set to dose either with x inputs per pulse from the water meter or alternatively 1/n where the pump is set to give 1 impulse per n pulses from the water meter.

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### **Chemical Tanks and Bunds**

Both the chemical tanks and the bunds are of seamless, one piece, moulded construction in virgin MDPE. They're of strong and durable design and the chemical tank would be supplied with a bund that is 10% larger – this means it's the optimum size to retain spillages without taking up more space than necessary.

The chemical tanks have split level moulded top allows for the mounting of the pump and apparatus. They have tight fitting screw lids and an integrated volume gauge in litres.

**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 isn't as complex as it sounds, however, SAFESOL is on hand to help. Please contact us if you require further information.