

Tristel Technologies – TTec250

The TTec250 Dosing Unit has also been developed for the automatic generation of Tristel Technologies' unique chlorine dioxide solutions. The TTec250 is used for injecting controlled amounts of chlorine dioxide into water for control of biofilm growth in systems, water disinfection, taste and odour control, and chemical oxidation of certain water and waste water contaminants.

Construction:

The TTec250 Dosing Unit comprises:
GRP IP 65 lockable cabinet containing

Programmable Base pump with:

- Pulse cable from pulse input junction box
- Power supply cable for power supply junction box

Programmable Activator pump with:

- Pulse cable from pulse input junction box
- Power supply cable for power supply junction box

The system is also supplied with the following parts not mounted or connected :

- 10m of high pressure PTFE delivery hose
- Mixer chamber/injection fitting
- 3m electricity supply cable fitted with 13 amp moulded plug
- 2m suction hose with foot strainer valve
- 1m bleed hose



TTec250

Functions:

The TTec250 Dosing Unit doses active chlorine dioxide solution into water by volumetric flow. This dosing is controlled by means of a volt free pulse from a water metre or other flow measuring device which generates a volt-free pulse proportional to water flow.

The pump unit doses precise volumes of Base and Activator solution, in the correct ratio, thus providing an active solution which is injected into the water supply.

Other Points:

- No measuring, no mixing, no spills
- Activates and doses proportional to water use
- Can be installed on any type of water system
- Efficiency improvements in both chemical use and man hours
- No manual handling of chemicals
- Internal stroke frequency control, from 1-120 strokes per minute
- External pulse signal control with the functions:
 - 1 input pulse = 1 dosing stroke
 - 1 input pulse = 1 x n dosing strokes
 - 1 input pulse = 1:n dosing strokes
- Pump stop when chemical drum low (requires low level drum switch)

Some Examples of Applications and Treatment Capabilities			Installation Example
Application	Application	Max Water Flow rate (l/hr)	<p>Tristel-Technologies reserve the right to alter specifications in line with our philosophy of continuous product development. All photographs and drawings are for illustration purposes only.</p>
Vegetable Disinfection/CIP Disinfection	10-50 ppm SCD	4800-2400	
Treatment of Ice Used for Fish Storage/transport	10 ppm SCD	7200	
Salad Wash Final Rinse - Biofilm Control In Wash Systems - Poultry Drinking Water -Stored Potable Water (USA)	5 ppm SCD	21600	
Domestic Hot Water Systems/Vegetable Wash Water/Cooling Water/Process Water/Effluent Treatment	0.5 – 5 ppm ClO ₂	140,000 - 7000	