



# DOSATRON<sup>®</sup>

Because life is powered by water<sup>®</sup>



## Water Treatment



UK & Ireland Partner  
**Hingerose**LTD

SALES | SERVICING | SUPPORT

## Water Treatment

Since the Dosatron is driven by water, it is only natural that it should be utilised in the treatment of water & wastewater in many different applications including chlorination & disinfection, closed pipework systems, polymer dosing and other wastewater treatments.

## Dosatron Operating Principle

The Dosatron responds directly to the volume of water passing through it, resulting in proportional dose rates irrespective of fluctuations in water flow rate & pressure. Water flow drives the motor, which in turn drives the dosing piston such that additive is continuously injected at the set dose rate.



## Dosatron Key Features & Benefits

- The market leading water powered injector.
- Consistent & accurate proportional dosing of liquid additives & stock solutions, irrespective of fluctuations in water pressure.
- No electric power required as the Dosatron is driven by water flow.
- Mixed solution on demand.
- Controlled consumption of additives.
- Comprehensive product range:-
  - Dose rates from 0.003% (1 part additive to 30,000 parts water) to 25% (1 part additive to 4 parts water).
  - Water flow rates from 5 litres per hour to 30m<sup>3</sup>/hr.
- Experienced UK based support & technical back up.

## Chlorination

Chlorine is a highly efficient disinfectant often used to decontaminate water, particularly from sources which could harbour potentially harmful bacteria & other pathogens. We offer a variety of Dosatron models for dosing chlorine, usually in the form of sodium hypochlorite, into water for effective disinfection.



Dosatron Model	Water Flow Rate (litres per hour)	Dose Rate Range (%)
D3RE3000	10 - 3,000	0.03 - 0.3
D3WL3000IE	10 - 3,000	0.03 - 0.3
D8WL3000IE	500 - 8,000	0.03 - 0.125
D20WL	1,000 - 20,000	0.2 - 2
D30WL30000	8,000 - 30,000	0.003 - 0.03
D30WL5000	8,000 - 20,000	0.02 - 0.2

## Polymer Dosing

Flocculent & coagulant polymers are used for the removal of solid particles suspended in wastewater. The Dosatron D25WL2IEVVFP0 has been developed specifically for use with these polymers and we

recommend using it in conjunction with a Dynamic Mixer. Once mixed, the polymer solution can be transferred to a maturation tank from which it can be dispensed for wastewater treatment.



Dosatron Model	Water Flow Rate (litres per hour)	Dose Rate Range (%)
D25WL2IEVVFP0	10 - 2,500	0.2 - 2
Dynamic Mixer	10 - 2,500	-

## Closed Pipework Systems

Use of appropriate corrosion inhibitors & biocides is essential to maximise the operating life & efficiency of closed pipework systems containing water. Dosatrons are used to accurately dose these additives into water as it flows into the system.

We work closely with water treatment contractors and service providers to supply suitable water treatment systems, which typically include two Dosatron units in series – one for inhibitor and the other for biocide.

We also offer dosing rigs, including the one shown.



Dosatron Model	Water Flow Rate (litres per hour)	Dose Rate Range (%)
D3RE3000	10 - 3,000	0.03 - 0.3
D3RE2	10 - 3,000	0.2 - 2
D45RE3000	100 - 4,500	0.033 - 0.1
D45RE1.5	100 - 4,500	0.2 - 1.5

Established in 1979 and supplying water powered dosing solutions to UK & Ireland customers, Hingerose Limited is Dosatron's longest serving partner distributor.

We offer a wealth of experience & Dosatron product knowledge in all market sectors and many diverse applications including:

- Chlorination & Disinfection
- Closed Pipework Systems
  - Polymer Dosing
- Water & Waste Water Treatment
- Potable Water for Airline Services

A comprehensive range of Dosatron units, spare parts & accessories is readily available through our supply network supported by our excellent technical back up, repair service & advice. Please contact us to discuss your requirements in more detail – we'll be pleased to help.



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