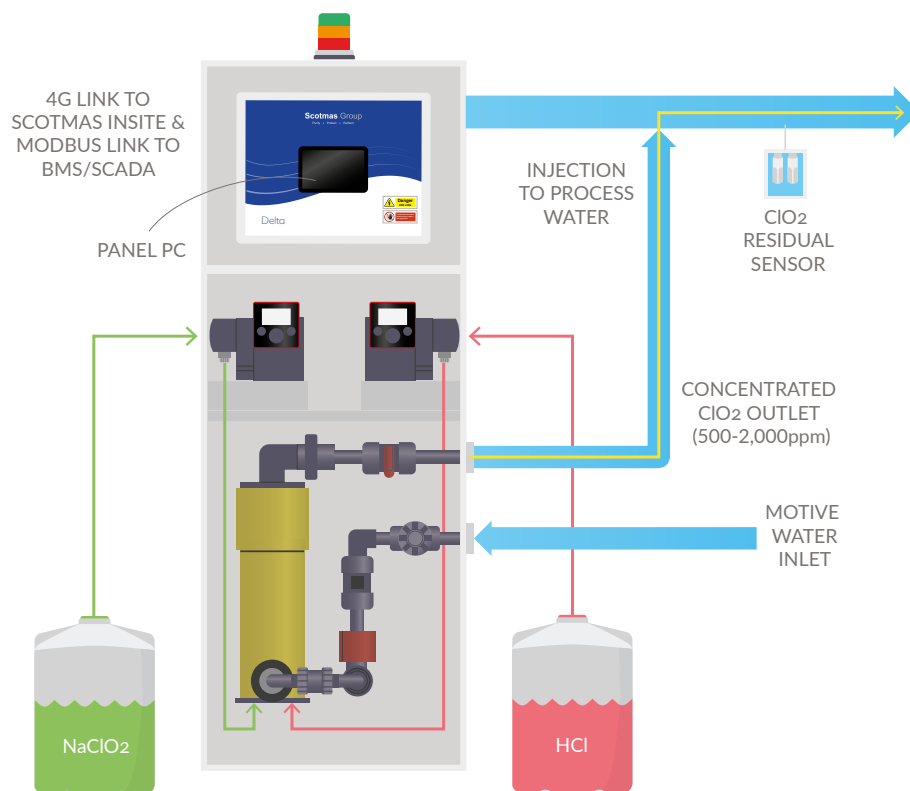


Delta WA



The Scotmas Delta WA Chlorine Dioxide Generation and Dosing System is designed to produce a stream of ClO₂ solution for potable water, cooling tower dosing, wastewater treatment, food processing and other industrial applications.

Every Delta WA system uses two concentrate precursor chemicals to produce ClO₂ solution on-demand from the water being treated. No storage of ClO₂ solution is required, removing the risk of the solution starting to gas off or chemically break down, both of which are potentially hazardous.

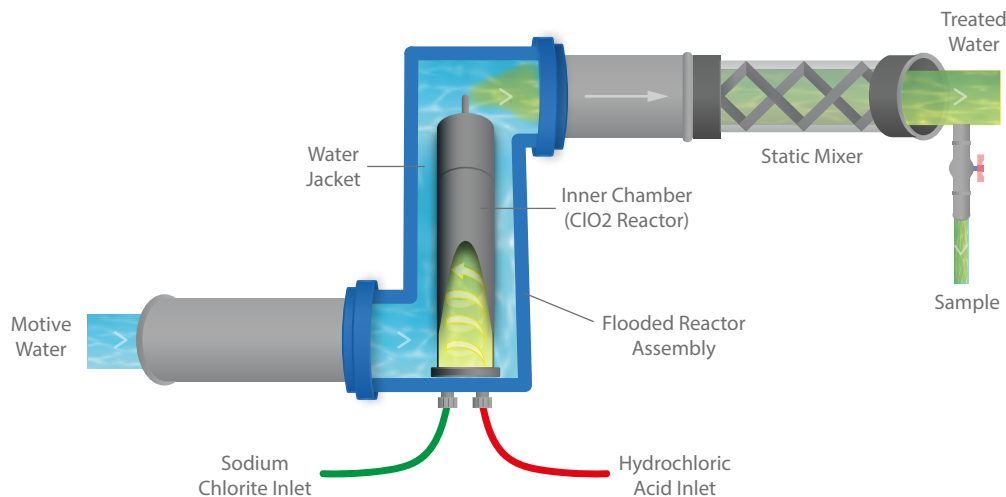
A dilution water flow carries the generated ClO₂ as an aqueous solution to the injection point.

Generation only takes place within a flooded reactor, providing maximum protection for system operators and users.

The flexibility of the Delta WA system allows for it to be configured for most industrial applications, and the safety and ease of use of the reactor system makes it an ideal alternative to traditional Chlorine Dioxide generators.

- Generation capacity up to 12 kg/hr / up to 24,000 m³/hr @ 0.5 mg/l ClO₂.
- Chlorine Dioxide is dosed proportionally to the measurement from the incoming water meter.
- Technology uses concentrate precursor chemicals, 25-36% Hydrochloric Acid and 25-31% Sodium Chlorite.
- 10" HMI touchscreen offers full system control (dependent on authority levels).
- System supplied with an SIL3 rated safety relay which will shut the system down whenever a critical alarm point is reached.

- Two configurations are available. The bypass system is installed indirectly to the main water line via a full flow bypass. The pumped bypass system is installed indirectly to the main water line via a partial flow bypass, usually of smaller diameter than the main water line being treated.
- All Chlorine Dioxide generation is undertaken in our unique Submerged Reactor System. The precursor chemicals are mixed within the Submerged Reactor inner chamber, located inside the flooded outer chamber. In the unlikely event of a leak from the reactor, the concentrated chemical will be instantly diluted by the surrounding water.



- Chlorine Dioxide production conforms with EN12671:2009 when the precursors used are compliant with EN938 (sodium chlorite) and EN939 (hydrochloric acid).
- Option to include digital and analogue inputs to control the system.
- Includes a variety of alarm inputs, allowing for dosing control in response to alarm signals from customer processes, timers, or stand-alone batch controllers.

About Scotmas

Scotmas are internationally renowned, specialist manufacturers of Chlorine Dioxide generation systems with more than 25 years' experience in the field. Employing over 50 staff worldwide, Scotmas are solely dedicated to Chlorine Dioxide technology and can provide all required chemical / process engineering, chemistry, microbiology, and application-specific technical support needed for successful project execution, in conjunction with strong local civil engineering and service delivery partners.