



De Nora ISIA S2050R Chlorine Dioxide Generator Container

Effective and safe chlorine dioxide treatment in a single container.

Based on patented underwater production technology, ISIA standardized systems generate up to 20 kg/h of chlorine dioxide (ClO_2) using concentrated solutions of sodium chlorite (NaClO_2 25% or 31%) and hydrochloric acid (HCl 31-33%).

Chlorine dioxide is produced in a compact reaction chamber, which is installed in-line, and is injected directly into the water requiring treatment. In this way, the chlorine dioxide is present only in the treated water, which ensures superior safety and efficiency.

The ISIA S2050R container includes everything needed to effectively and safely generate chlorine dioxide onsite. The reactor is placed into a skid frame, inside a 20' ISO container, where there are three rooms: one for storage of each chemical and one for the reactor skid.



Applications:

ISIA systems are ideal for combating pathogens, such as biofouling control in the following applications areas

Applications:

- Drinking Water
- Cooling Water
- Municipal Water
- Industrial Water

Benefits



Lower Opex

High yield production of chlorine dioxide increases efficiency and reduces operating costs



Simple Operation and Installation

- Easy to use touch screen PLC panel
- Simple connection of water and electricity
- Low maintenance solution



Safe Design

Chlorine Dioxide is generated on-demand as needed and reagents are mixed under water and injected directly into the water being treated.

ISIA Chlorine Dioxide generators minimise Disinfection Byproduct formation.



Compact and Containerized Solution

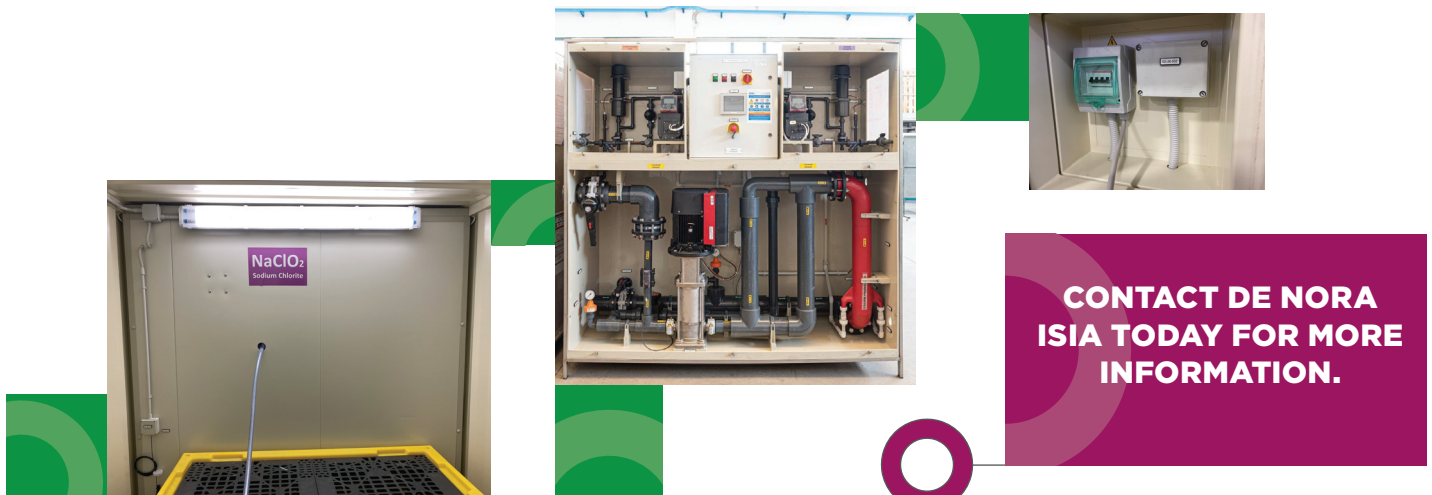
Compact design fits easily into 20' container

All equipment and ancillaries included in one pre-packaged container with dedicated room for chemical IBC storage



Expertise in Chlorine Dioxide

De Nora, through the **Capital Controls®** brand, and **De Nora ISIA Srl** have wide ranging experience, especially in the Middle East, where the underwater design is the Chlorine Dioxide (ClO₂) system of choice and is installed across the region.



About De Nora

Backed by 100 years of experience, you can be confident in the reliability and safety of Capital Controls and ISIA chlorine dioxide generators.

De Nora is the partner-of-choice for communities and companies around the globe. In fact, more than 500 million people around the world use water treated by De Nora products every single day.

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