

# **WATER TREATMENT SOLUTIONS**

**CHLORINE DIOXIDE GENERATORS**

# SAFETY, ACCURACY AND HIGH PERFORMANCE!

## Sabar  Qu micos e Ingredientes develops New Chlorine Dioxide Generators

Chlorine dioxide is widely used in water treatment for human consumption and also in industrial processes, effluent disinfection, food & beverage industries and other applications where it is desired to reduce the levels of contamination.

For on-site  $\text{ClO}_2$  generation, we offer two equipment options: the **OOW Series Generator**, which is the evolution of the typical cabinet generators, and the newest release, the **UW Series Generator**, which operates submerged. Both equipment have a high generation efficiency rate (above 95%), besides having an automation package that allows greater control over the process.

### **OOW Series Equipment - Chlorine Dioxide Generator**

*The OOW Series Chlorine Dioxide Generator has 100% national technology, manufactured and patented by Sabar  Qu micos e Ingredientes. The equipment was developed for typical installations, with production capacity of 0.5 to 25 kg/h of chlorine dioxide.*



### Technology Advantages

- Does not form free chlorine in the generation of chlorine dioxide;
- High concentration at the application point, whose generation route is through sodium chlorite and hydrochloric acid;
- Generation process without chlorine dioxide gas phase formation, bringing high safety to the process;
- Product generated on demand and with a wide concentration range to meet any application type;
- Efficiency rate above 95%;
- Generation and dosing systems allow high automation levels, bringing greater peace to operator's mind;
- Input dosing pumps with 4 to 20 mA output;
- Control panel with color interface and several customizable configurations for each application need, besides the possibility of remote access to the equipment;
- Reports emission with production and operation status;
- Possibility of integration to the client's supervisory system.

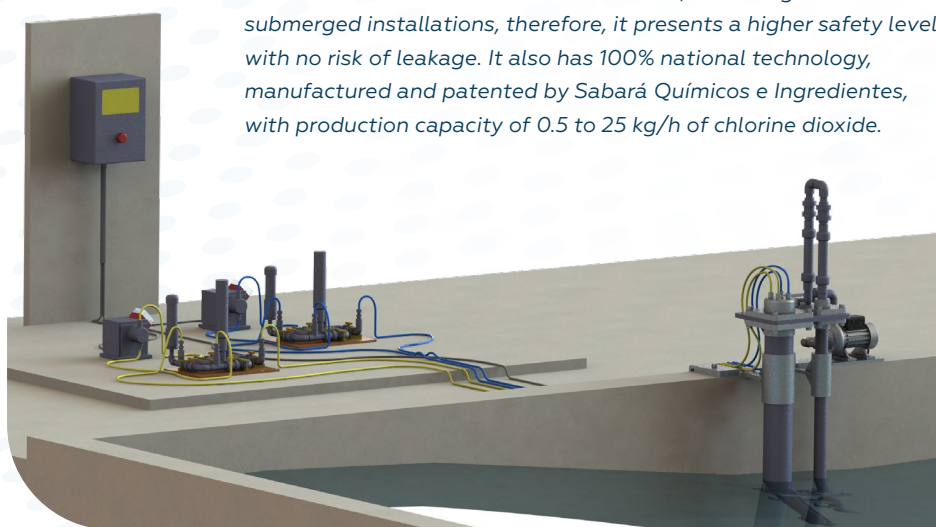
# About Sabará Químicos e Ingredientes

**Sabará Químicos e Ingredientes** is a manufacturer and distributor of integrated solutions for water treatment. The products supply, equipment and services for basic sanitation and the most diverse industrial processes is ensured by the company for more than 67 years.

Fully focused on quality and safety, Sabará was a pioneer among the companies in Brazilian sector when it conquered the **PRODIR** (Responsible Distribution Process) certification, an important attestation that its procedures and chemical products follow the best practices. It also holds **ISO 9001:2015** and **ISO 14001:2015** certifications, which govern quality and environmental aspects.

## UW Series Equipment - Chlorine Dioxide Generator

*The UW Series Chlorine Dioxide Generator, was designed for submerged installations, therefore, it presents a higher safety level, with no risk of leakage. It also has 100% national technology, manufactured and patented by Sabará Químicos e Ingredientes, with production capacity of 0.5 to 25 kg/h of chlorine dioxide.*



### Technology Advantages

- Does not form free chlorine in the chlorine dioxide generation;
- Chlorine dioxide generator with a completely submerged reactor, whose generation route is through sodium chlorite and hydrochloric acid;
- **Focus on safety!** No atmosphere leakage risk, due to the submerged operation (preferably in the Parshall gutter when used in typical water treatment stations);
- Lower implementation cost if compared to conventional generators;
- Product generated on demand and with a wide concentration range to meet any application type;
- Efficiency rate above 95%;
- Generation and dosing systems allow high automation levels, bringing greater peace to operator's mind;
- Input dosing pumps with 4 to 20 mA output;
- Control panel with color interface and several customizable configurations for each application need, besides the possibility of remote access to the equipment;
- Reports emission with production and operation status;
- Possibility of integration with the client's supervisory system.



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