



CHEMICAL DOSING AND DISINFECTION

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Chlorine Gas, Chlorine Dioxide, Ammonia and Electrochlorination

Specialized division in chemical dosing  
and water disinfection in the corporate  
structure by Elèctrica Pintó S.L.



[www.clorep.es](http://www.clorep.es)

**CLOREP®** is a specialized division in chemical dosing and water disinfection in the corporative structure by Elèctrica Pintó S.L., which is part of the AQUACENTER GROUP, founded in 1996 as a result of gathering six companies: Catalana de Perforacions SA, Elèctrica Pintó SL, clorEP (división by Elèctrica Pintó), Domini Ambiental SL, Webdom Labs SL, Gestió Solar Sostenible SL and Comelsa SL.

With its head office based in Santpedor (Barcelona, Spain) and more than a hundred employees, the Aquacenter Group® companies show a global orientation to supply products and services to public administrations, private companies and individuals. The eight group companies own a high technologic level and a human team highly qualified to supply technical solutions to their costumers each one in a different speciality into the energy and water sector.

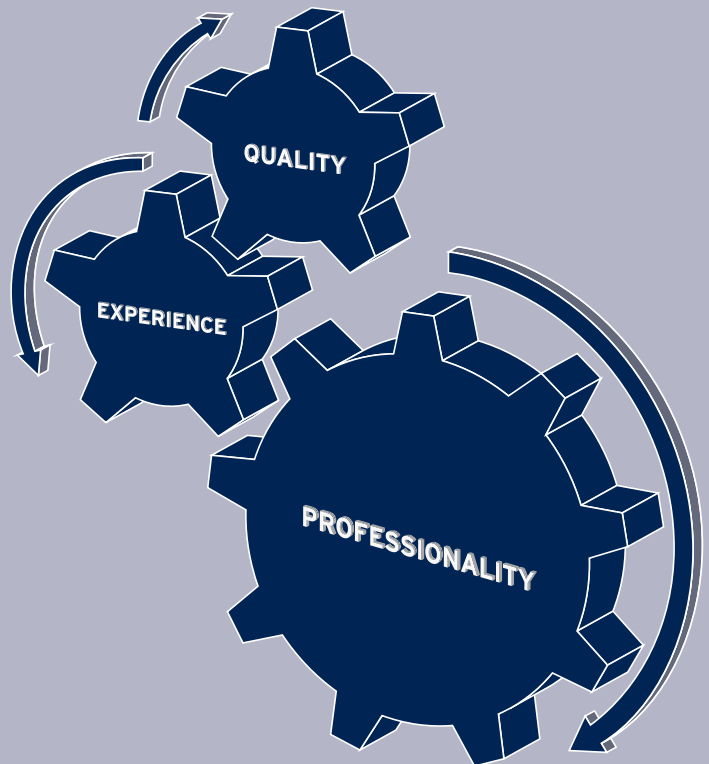
The synergies produced by the collaborative union between the different companies of the group, allow us to develop and deliver new efficient and environmentally friendly solutions.



AQUACENTER GROUP's head Offices in Santpedor (Barcelona)

## WIDE RANGE OF SOLUTIONS

- We have a wide range of products covering a wide range of facilities for the treatment of water: chlorine gas, ammonia, chlorine dioxide, electrochlorination, dosage of liquid reagents for both industrial field facilities and municipal facilities.
- We design and carry out turnkey projects, including the electrohydraulic installation, automatization and boiler.
- We provide excellent service for assistance in assembling and commissioning.
- Highly qualified to manage national and international projects.
- Our customers count on our experience and knowledge at your service. This means you can expect a well-planned and completed in time for the benefit of your company project.
- Excellence in knowledge together with excellence in equipment.
- A great team at your service.
- We count on GRUNDFOS' support.
- As distributors of trust, we understand the importance of reliability. Our goal is to offer post-sales service and a close and professional support.





## DOSING PUMPS

In order to cover any dosing requirement in the installations of our customers, we offer a wide range of dosing pumps.

SMART digital pumps series DDA, DDC, DDE, DDA XL, DDE XL and digital DME reach dosing capacities ranging from 2.5 ml/h to the 940 l/h. They offer a high technology in their operation, a new concept of ease of use and a smart flow control. These characteristics ensure a high reliability, profitability and highly precise processes with an excellent price-performance ratio.

DMX and DMH mechanical pumps have a dosage of up to 2.000 l/h capacity and reach some pressure ranges dosage up to 200 bar. Its solid design and high quality engines make these pumps on equipments that require low maintenance and the best choice for a wide range of applications.

All our pumps provide control systems and simple and intuitive programming, at the same time, its operational noise levels are very low.



## VACCUPERM GAS DOSING SYSTEMS

In installations with gases dosing processes such as chlorine gas or ammonia, safety and dosing accuracy they require a high level of demand.

For this reason Vaccuperm series components provide a reliable vacuum dosing system. They are systems for the direct setting in containers or bottles of liquefied gas or even to be installed in a collector.

They have been designed for a completely automated operation, for wall or cabin installations, and with adjustable and precise capabilities of up to 200 kg/h through a single dosage.



VACCUPERM VGA-117 & VGA-146

VGS-140 Dosing cabinets facilities



## OXIPERM CHLORINE DIOXIDE GENERATION SYSTEMS

An excellent method to guarantee the disinfection of drinking water is use a disinfectant chlorine dioxide.

Chlorine dioxide is a highly effective compound to eliminate all kinds of pathogenic germs and has a residual effect in the system.

Chlorine dioxide is the most efficient disinfectant against Legionella bacteria and other pathogens due to its efficacy in the removal of the biofilm where the bacterium lodges in distribution networks.

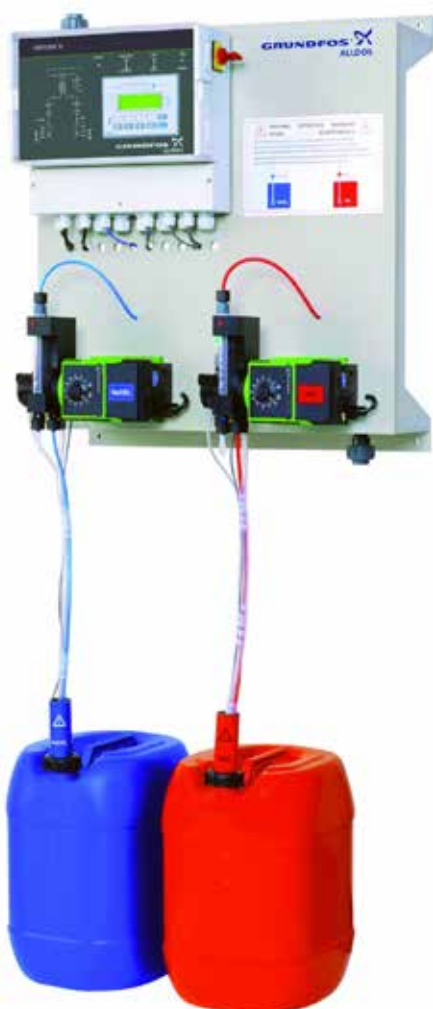


We have different equipments that are working with several reagents as material base to produce chlorine dioxide solution.

These models are capable of generating chlorine dioxide through three methods of production: using diluted reagents, concentrate reagents, or chlorine gas.

Generation capabilities range from 5 g/h up to 10 kg/h. For higher capacities contact us.

OXIPERM PRO  
OCD-162 up to 60 g/h



OXIPERM OCD-164 and OCC-164

In equipments of reagents diluted it is used  $\text{NaClO}_2$  7 ' 5% and HCl to 9% concentration. These equipments ensure high reliability and safety in small capacity facilities.

On the other hand, in concentrated reactive equipments, the basis for the generation is  $\text{NaClO}_2$  at 25% and HCl to 33% with an excellent economic reliability-cost.

OXIPERM OCG-166



Generators through chlorine gas are using  $\text{NaClO}_2$  to 25% and chlorine gas. These equipments offers high performance generation and are perfect for integration into installations of chlorine gas.

These equipments are the optimum solution of oxidation and disinfection:

- Elimination of the THM's
- Elimination the biofilm in the distribution systems
- Control of odours and flavours
- Excellent virucidal

## SELCOPERM SES-195 ON SITE ELECTROCHLORINATION WITH SODIUM HIPOCHLORITE



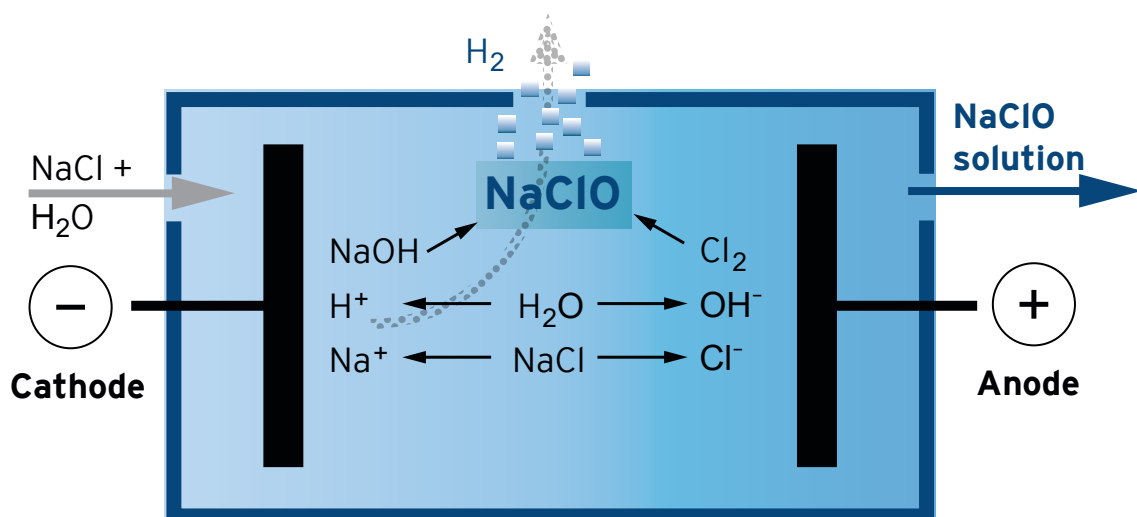
The Selcoperm electrolytic chlorination systems are supplied as a design solution modular pre-assembled castings, which produce a hypochlorite solution using a common salt solution thanks to the action of electricity, without significant by-products generated in the process.

Generated hypochlorite solution presents a pH value between 8 and 8'5 and a maximum of 6 g/l concentration of chlorine equivalent.

The main components of the installation of electrochlorination are electrolysis unit, storage brine deposits and product solution, an extractor unit to remove the produced hydrogen and the dosing pumps of product solution.

The advantages of this system are that they eliminate the associated risks with the transport of dangerous goods; it is a product not subject to the regulation of storage APQ-006 and endows the installation the autonomy of the chemical product supplying.

Standard production capabilities range from 2 kg/day up to 44 kg/day (like chlorine 100% by weight) in a single rack. There are also superior capabilities in a single frame of up to 900 g/day upon request.







Selcoperm electrochlorination facilities up to 900 kg/day

## AFTER-SALES SERVICES

In **CLOREP®** we offer our customers a service after-sale professional, serious and committed. This services includes, supply of spare parts and installation maintenance's services through contracts tailored to the needs of each installation.

We have a large stock of spare parts warehouse for all teams, in addition to a technical assistance service for installations of our customers in order to enjoy the tranquility of knowing that there is a professional team at your disposal for any need that may arise.



We are official distributors of the **GRUNDFOS** branded products and we are certified as a technical service for maintenance. All our operators have been trained and approved training centres own brand.



## CERTIFIES

As a company committed to quality and safety at work, **CLOREP®** has obtained the certificates of ISO 9001 Quality Management and Occupational Health and Safety OHSAS 18001.



# FACILITIES, PRODUCTS & SERVICES FOR WATER TREATMENT

- Dosage of Liquid Reagent
- Gas Dosing: Chlorine gas and Ammonia
- Chlorine Dioxide Generation
- Electrochlorination
- Turnkey Projects and commissioning
- Repair and Spare Parts Supply Services
- Maintenance Contracts





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