CRESTON®

MAKE HYPO. SLEEP BETTER.
ON-SITE HYPOCHLORITE GENERATION

Disinfection Solutions for Municipal Drinking Water

Process Overview for Brine Systems

1 Brine Makeup System
Water and salt are mixed in the brine tank to produce a saturated brine solution, which is then fed to the electrolyzer using a brine pump.

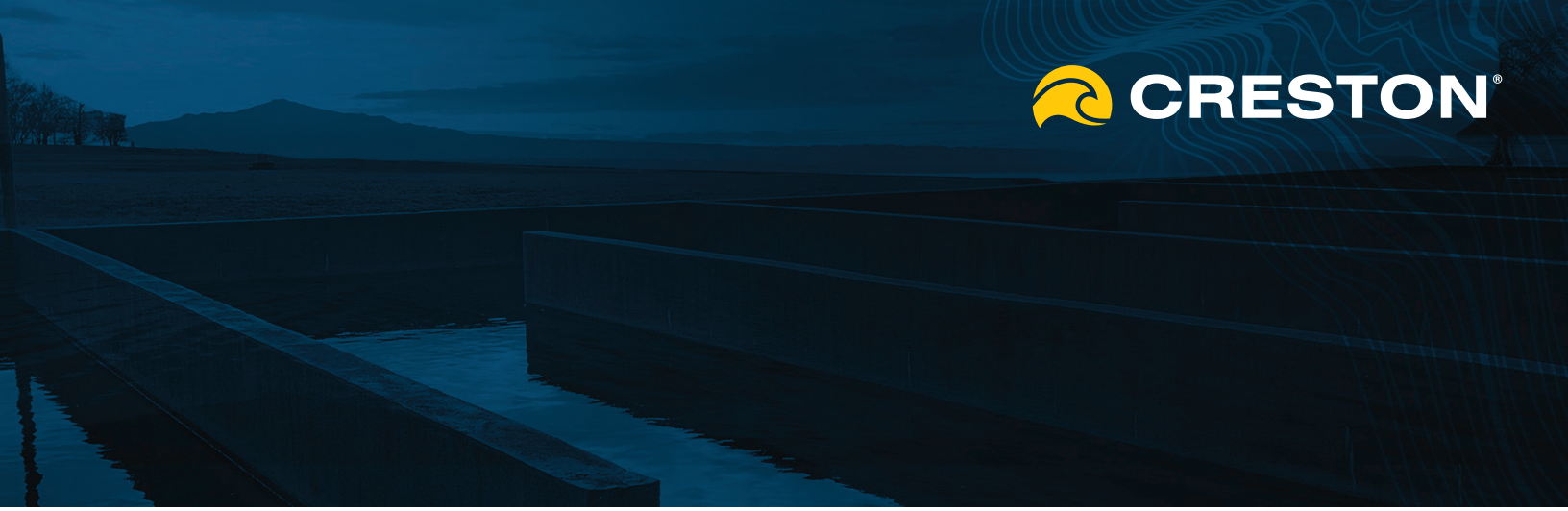
2 Transformer / Rectifier
Power from the facility is converted from AC to DC by the transformer/rectifier and delivered to the electrolyzer cells at the required voltage and current.

3 Electrolyzer
The heart of the system is the unique Electrichlor® cells, which use a nested concentric tube design, to convert the brine solution to 0.8% sodium hypochlorite.

4 Skid Design
The generator skid includes a control panel for ease of use as well as an on-skid clean-in-place system. No need to remove the cells for maintenance.

5 Hydrogen Management
Hydrogen gas produced as a byproduct of the electrolysis process is safely handled in the hypochlorite tank. Blowers and instrumentation ensure proper air handling

6 Sodium Hypo Storage
Sodium hypochlorite solution is stored in the hypochlorite tank. Hypochlorite is then fed to the dosing point by the hypochlorite pump, as required.



The Safer Alternative to Chlorine Gas

For more than 40 years, on-site hypochlorite generation (OSHG) has been a dependable disinfection method in municipal water treatment. It removes the risks and logistics associated with chlorine gas and bulk 12.5% sodium hypochlorite deliveries.

At Creston, our OSHG systems produce a 0.8% sodium hypochlorite solution through straightforward electrolysis of brine. The process uses only salt, water, and electricity, giving operators a predictable, low-risk way to generate disinfectant on site.

Product Portfolio

ELA Series

35 - 150 lbs/day
Compact all-in-one skid

ELX Series

150 - 600 lbs/day
Robust & operator friendly

ELG Series

450 - 6000 lbs/day
High-capacity modular system

The Creston Advantage

Cell Technology

Our unique, nested concentric tube geometry is the next evolution in cell design.

Ease of Operation

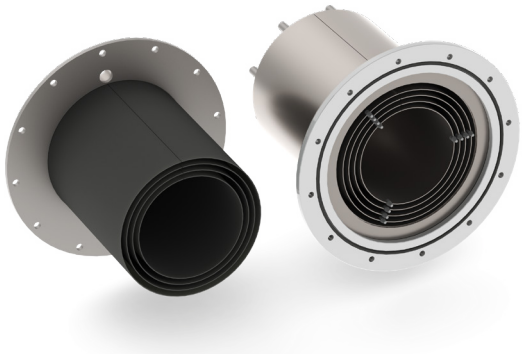
Originally designed for seawater, our cells can handle water variability with ease.

Modular Design

Built with expansion in mind, our skids allow for additional capacity when you need it.

Safe & Reliable

All titanium design ensures no cracks or leaks, improving safety for your facility.



Electrichlor® cell technology

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