

# ProMinent® OxiMax Electrochlorination Equipment

ProMinent®

Over recent years Electrochlorination has gained acceptance in a wide variety of water treatment applications. Designed and manufactured in Australia, ProMinent OxiMax Electrochlorination equipment has benefits of safety, low operating cost and reliability.



Drinking Water



Waste Water



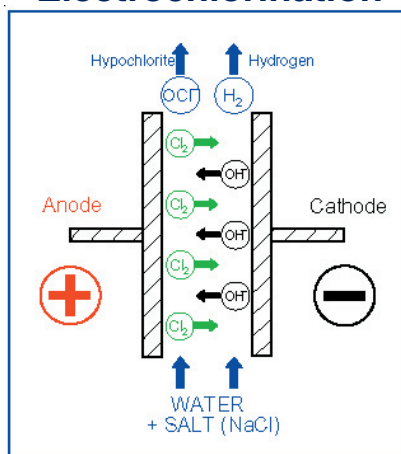
Swimming Pools

Electrochlorination is a process where common salt (sodium chloride) is converted to low strength (up to 1%) sodium hypochlorite and hypochlorous acid by electrolysis.

The actual reactions are complex, but the key reaction can be represented by the following equation :



## Electrochlorination



Salt and power are the raw materials for this process and the availability and source of the salt often determines the most appropriate Electrochlorinator design for a particular application.

ProMinent OxiMax Electrochlorination equipment is well suited to the following applications:

- Disinfection of potable water and wastewater.
- Control of marine growth in seawater cooling systems.
- Swimming pools.
- Industrial processes.

## OxiMax - MM Series



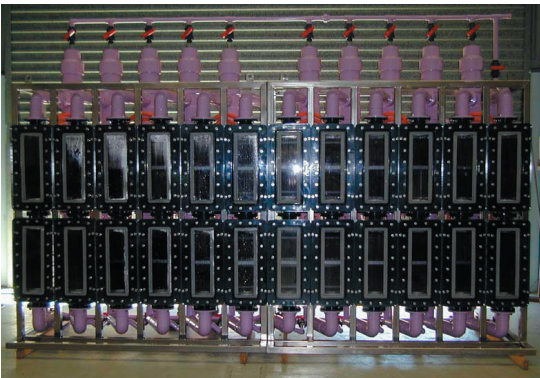
The **OxiMax MM Series** Electrochlorinators are patented and feature many new innovations. They are designed to generate hypochlorite for a wide range of applications in a safe, low cost, reliable and portable package. These units only need salt and water and can run on power from virtually any source (mains, solar, generator, battery etc). Several models are available with effective chlorine outputs ranging from 1.5 to 500 g/hr. Each system includes the electrolyser, tanks, sensors, power supply and control system.

## OxiMax - MA Series



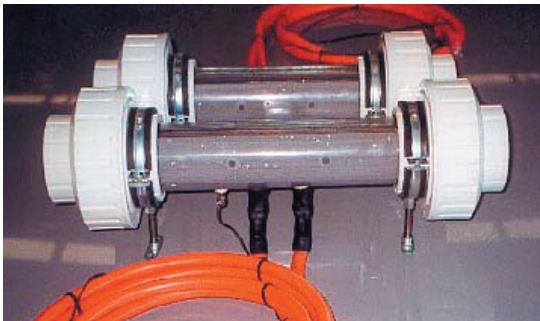
The **OxiMax MA Series** is a range of “on site generators” designed to produce Sodium Hypochlorite from brine. There are two basic cell modules available. The MA500 cells have an output of 500 grams chlorine per hour and the MA1000 cells, 1000 grams per hour. The cells can be used in multiples for outputs in the range 500 g/hr to 60 kg/hr per assembly. Power supplies and control systems are matched to the cells to ensure optimum performance, economy and reliability.

## OxiMax - MC Series



The **OxiMax MC Series** is designed specifically for sea water cooled power stations, refineries, large resort swimming pools (>800,000 litres) or high capacity, high salinity water treatment systems. These modular, heavy duty, high performance cells use a moulded high strength FRP casing and a bipolar electrode arrangement. Single cells have outputs up to 2.3 kg/hr and systems are available with outputs in the range 1 to 150 kg/hr.

## OxiMax - ML Series



The **OxiMax ML Series** Electrochlorinators are designed to be compact, low cost, reliable and efficient. Single cells are available with outputs from 150 to 400 g/hr and multiple units can be used for outputs up to 2000 g/hr. Apart from swimming pools, water parks and water features, these cells are well suited to water treatment systems where the water has good natural salinity (>150 mg/l).

## OxiMax - AT Series



The **OxiMax AT Series** Electrochlorinators have now been in production for over 12 years and have been installed on many hundreds of resort swimming pools throughout the world. Suitable for pools with water volumes in the range 300,000 to 2,500,000 litres, they are robust, efficient and reliable. The **AT Series** is designed with an integral acid cleaning system and this equipment is well suited to sea water or low salinity (3 - 8 g/l salt) pools.

Web: [www.prominentfluid.com.au](http://www.prominentfluid.com.au)

### ProMinent Fluid Controls Pty Ltd

**Head Office:** Unit 4, 4 Narabang Way  
BELROSE NSW 2085  
(PO Box 85, BELROSE WEST NSW 2085)  
Ph: (02) 9450 0995 Fx: (02) 9450 0996  
Email: [sales@prominentfluid.com.au](mailto:sales@prominentfluid.com.au)

**QLD Office:** 1048-1054 Beaudesert Road  
COOPERS PLAINS QLD 4108  
Ph: (07) 3246 5200 Fx: (07) 3246 5225  
Email: [pfcqld@prominentfluid.com.au](mailto:pfcqld@prominentfluid.com.au)

**VIC Office:** Unit 2, 88 Star Crescent  
Hallam VIC 3803  
Ph: (03) 8795 7430 Fx: (03) 8795 7431  
Email: [pfcvic@prominentfluid.com.au](mailto:pfcvic@prominentfluid.com.au)