

Salt water chlorination



The high-end
treatment

DAVEY
ProMATIC

The natural alternative
to pool chlorine chemicals.



4
YEARS OF
GUARANTEE

MONARCH
A **DAVEY**
COMPANY

Guaranteed satisfaction

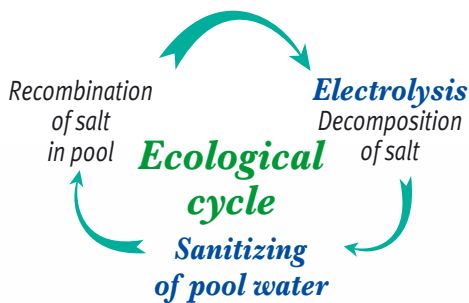


The salt water chlorination is a reliable process known for more than 30 years for its efficiency.

How does salt water chlorination work?

In a salt water system, salt is added to the pool at the rate of 4 to 7 grams per litre of water; a salt level that is 5 times lower than in sea water.

Salt is electrolysed in the cell during the filtration cycle and chlorine is produced to provide water sanitation. As the chlorine is consumed during sanitation, it reverts back to chloride and then salt, for the process to begin again.

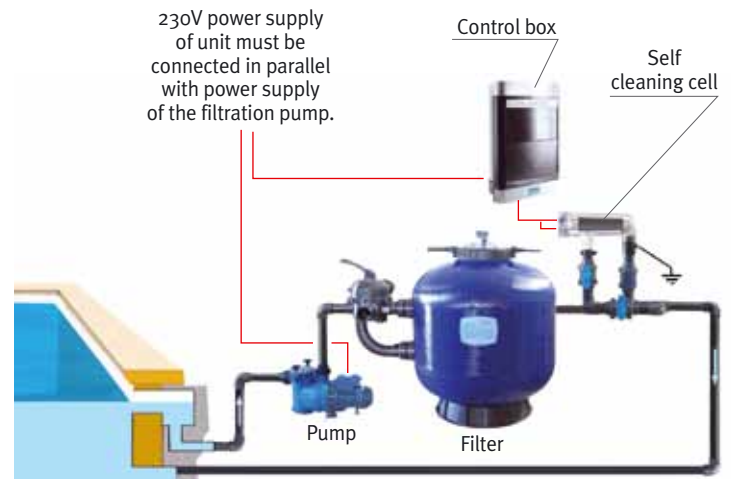


Simple design for maximum efficiency

The salt chlorinator is made of two main components:
Control Box: Provides safe, continuous power to the electrolytic cell. The controller includes safety systems such as gas sensor, low salt / dirty cell indicator and system control interface.
Electrolytic Cell: The cell consists of Titanium electrode plates (anodes and cathodes) coated with precious metals that produce chlorine sanitiser during electrolysis.
 During the process of electrolysis, a deposit of Calcium scale can appear on surface of the plates. Our systems include low maintenance “reverse polarity” cells, which are designed to regularly purge this scale from the titanium plates.

Simple installation and easy maintenance

The ProMATIC is simple to install and operate. It must be connected so that it turns ON only when the filtration pump is ON. The sanitation of the water takes place during the filtration cycles. During winter, the unit should be switched OFF when water temperatures reach 15°C and below.
 If the pool has an automatic pool cover, the pool cover can be connected to the control box in order to automatically reduce chlorine production when the pool is covered.



Advantages of the Salt Water Chlorination

- This sanitizing system has the oxidizing effect of chlorine but without the inconvenience of messy chemicals
- . No need to store and handle messy chemicals. (Salt is added once upon installation).
 - . Salt water electrolysis provides a “shock treatment” by producing high concentrations of chlorine when the water passes through the cell.
 - . Sanitation occurs automatically during the filtration cycles and does not require manual dosing (Important for the maintenance of pools at holiday houses).
 - . Bathers enjoy the look and feel of therapeutic “natural water” without the irritation of skin and eyes. The water is mildly salty, like the tears in our eyes. (Tears contain approx 9 g/l of salt).





The checked efficiency
Salt water chlorination

The ProMATIC units are reliable, efficient and user-friendly.

Technical Characteristics

ProMATIC is available in 4 different sizes to match the volume and number of bathers in your pool.

- The control box is equipped with a 'no flow' sensor that automatically shuts off chlorine production when no water is in the cell. There is also a cut off in case of very low salt in the water.

If the pool is fitted with an automatic pool cover, it can be connected to the ProMATIC control box in order to automatically reduce chlorine production when the pool is covered.

- The cell has a threaded cap for easy removal. The cell housing is made from a transparent material to enable easy visual inspection and monitoring of the cell electrodes.



The unit is designed with a very efficient reverse polarity system that automatically cleans the cell plates for lower maintenance.

A spare threaded plug for the cell housing is provided to enable the filtration to be operative even if the cell has been removed.



Cork of the cell for the wintering (Included in the packaging)



Guaranteed satisfaction



A complete range
of salt water chlorinators.

Max. Volume of pool	Model	Production
80 m ³	MPS 16	16 g/h
120 m ³	MPS 24	24 g/h
160 m ³	MPS 36	36 g/h
200 m ³	MPS 40	40 g/h
250 m ³	MPS 50	50 g/h

Subject to change without notice.

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Authorized dealer