Electrochlor

Simple and effective salt water chlorination

Electrochlor automatically generates chlorine to keep your swimming pool clean and healthy.

- Full diagnostic display
- Precision chlorine production controls
- High performance titanium electrolytic cell
- Hydraulically efficient design
- 4 bar pressure rated salt cell
- Self cleaning electrolytic cell (optional)

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Electrochlor Salt Water Chlorinator

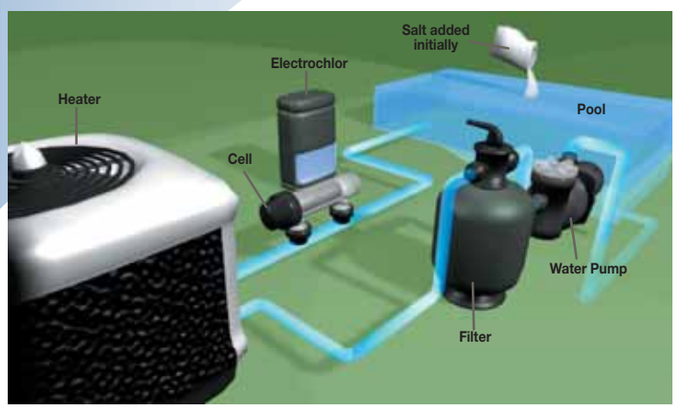
The Electrochlor will automatically maintain the chlorine level of your pool and eliminate problems associated with periods of very high or low chlorine levels. Fewer fluctuations in chlorine levels mean fewer fluctuations in pH levels. This adds up to more stable, balanced water.

Consistently maintained sanitizer levels in the pool water will prevent the growth of all common algae. A salt-water chlorinated pool requires much less attention than a chlorine pool

A salt water pool provides a more comfortable swimming environment. Salt water feels better and is less irritating to the body than standard chlorinated water. The amount of salt required, varies from 4000ppm to 6500ppm. In comparison, a teardrop is about 7,200 ppm and ocean water is about 36,000 ppm.

Chlorine generation

A small amount of natural salt is dissolved into the pool water. As the pool water flows through the electrolytic cell, electrolysis separates the salt water into its basic components, sodium and chloride. Pure chlorine gas is produced by this process and goes to work in the pool. Following this process the chloride and sodium re-bond and become natural salt again.



The Electrochlor is plumbed directly in-line with the pool equipment, typically after the heater. The power control unit is wired to the pool timer so it sanitizes the water when the pump is running.

Electrochlor

Electrochlor consists of a Power Pack (to supply power to the cell) and Salt Cell (where the chlorine is produced),

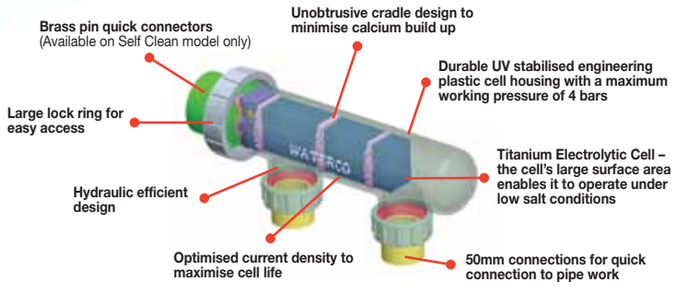
Electrochlor Power Pack

The Power Pack monitors and controls chlorine production by regulating the amount of electrical energy supplied to the salt cell.

Electrochlor Salt Cell

The Electrochlor's salt cell consists of a series of titanium electrodes with opposite charges.

Electrochlor's clear salt cell housing allows visual inspection of the salt cell plates and enables monitoring of chlorine production.



Self Clean Model is displayed

Maintenance

Electrochlor Self Clean Model has the added ability to reverse the polarity of the voltage to clean calcium buildup off its electrodes.

Electrochlor Standard Model's polarity is factory set and cannot be reversed. With time there will be a natural build-up of calcium on its electrodes. To ensure optimum performance, the calcium build-up needs to be removed with a Salt Cell Cleaning solution.

Salt Levels

Once an Electrochlor is installed and the desirable salt level is achieved (see table), salt needs only to be added occasionally to replace any water loss e.g. splash out, evaporation, backwashing.

Salt levels		
Minimum = 4000 ppm	Optimum = 6000 ppm	Maximum = 6500 ppm

Note: Low salt levels will lead to low chlorine production.

Frequently Asked Questions

Is there a difference between 'salt chlorinator' chlorine and 'normal' chlorine?

A salt chlorinator makes chlorine the same way a chlorine factory does. The difference is that it is manufactured in your pool. Liquid chlorine is approximately 12.5% pure, whereas Electrochlor's chlorine is 100% pure.

Will I ever need to add standard pool chlorine again?

From time to time it may become necessary to add some chlorine to the pool. This may be due to heavy rain or if the chlorine level needs to be shocked back up, for reasons listed in previous questions.

Does the salt damage pool equipment?

No. Low levels of salt have relatively insignificant corrosive effects on pool fittings and equipment.

How do I get started?

It's easy! After installing your salt chlorinator, you simply add the recommended amount of salt to your pool and choose your desired chlorine level.

How much salt will I need?

1 kg of salt in 1,000 litres of water raises the salt level by 1000ppm. Therefore, 420 kgs of salt will raise a 70,000 litre pool from 0 ppm to 6,000 ppm.

What type of salt should I use?

High purity salt, it is important that the salt does not contain additives. Any common salt (like table salt) usually has an additive that may have staining properties.

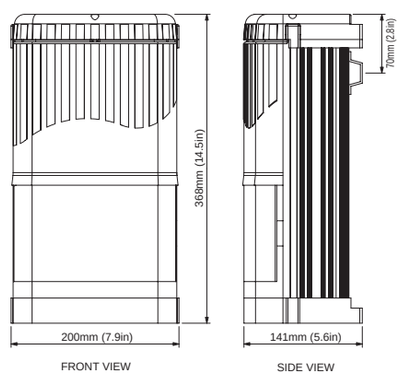
Electrochlor Technical Specifications

Model	Input Watt kW (max)	Output current DC amp (max)	Chlorine production gram/hour	Max Pool Capacity Climate	
				< 26° C	> 26° C
25A / 25A SC	0.3125	25	25	150,000 litres	102,500 litres
30A / 30A SC	0.3750	30	30	180,000 litres	125,000 litres

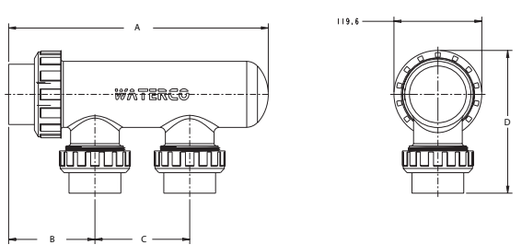
	25A / 25A SC	30A / 30A SC
Primary input volts	220-240 VAC 50/60 Hz	220-240 VAC 50/60 Hz
Input power	250W	375W
Max. current draw	10A	10A
Pump outlet max.	8A	8A
Cell volts	6-8V	6-8V
Degr. of protection to AS1939	IP23	IP23

- All units are equipped with a 3 amp self-resetting fuse.
- Pool capacity is based on a stabilised swimming pool with a minimum salt level of 5,000 ppm

Electrochlor Power Pack Dimensions

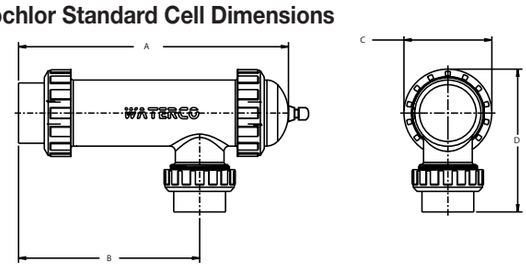


Electrochlor Self Clean Cell Dimensions



Model	A	B	C	D
30 SC	423.5mm	136.5mm	280mm	188.8mm
25 SC	353.5mm	117.5mm	129mm	194.3mm

Electrochlor Standard Cell Dimensions



Model	A	B	C	D
25A / 30A	385mm	275mm	96mm	163mm