



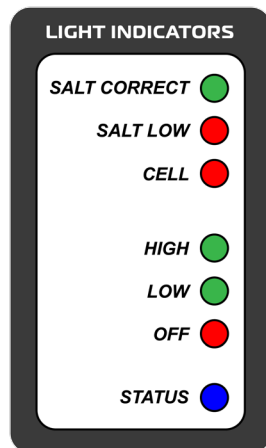


SALT WATER CHLORINATOR

MANUAL

CONTROL PANEL INDICATORS

 SALT CORRECT (GREEN)	Salt content is correct. Optimal salt concentration should be 0.7% or more (70kg per 10 000ℓ).
 SALT LOW (RED)	Add salt to your pool. Approximately 25kg per 10 000ℓ.
CELL (RED)	Check the cell's electrical connections. The cell is worn out. No flow.
HIGH (GREEN)	100% chlorine production, usually used in summer when water is warmer and chlorine demand is higher.
LOW (GREEN)	50% chlorine production, usually used in winter when water is colder and chlorine demand is low.
OFF (RED)	Stop chlorine production. Use when dosing other chemicals to prevent damage to the cell.
STATUS (BLUE)	Blinking = Starting Up On = Sanitising 3 Blinks = Self-Cleaning



OUTPUT CONTROL

The chlorine output select button is located in between the cell cable and mains cable. Pressing the button will select OFF-LOW-HIGH-OFF.

MAINTENANCE

 The chlorinator cell may require periodic cleaning, should you observe calcium (white deposit) on the electrodes.

Cell Maintenance




To clean the cell, make sure the control unit is switched off, then loosen the two unions at the inlet and outlet of the cell. Screw a blanking cap onto one end of the cell and hold vertically. Fill the cell housing with diluted pool acid (1 part acid to 9 parts water) and leave for a couple of minutes until the white deposits have dissolved. Discard the acid/water solution and refill the cell.

Water Maintenance

When the low salt light comes on, switch off the chlorinator to protect the cell and restart after correcting salt level by adding salt at a rate of 25kg per 10 000ℓ (2.5g per litre).

Recommended pool water balance	
Chlorine	1 - 3ppm (1ppm in winter & 2 - 3ppm in summer)
pH	7.2 - 7.6
Calcium Hardness	175 - 275ppm
Stabiliser	20 - 60ppm
Total Alkalinity	Plaster: 80 – 125 ppm Vinyl / painted / fibreglass: 125 - 150 ppm

HOW TO PROLONG THE LIFE EXPECTANCY OF YOUR CELL

-  • Ensure correct salt concentration. 0.7% or more. **NB!!! Do not let salt go below the recommended level to avoid damage to the cell.**
- Switch off the chlorinator if the pool water temperature is colder than 12 degrees Celsius.
-  • Ensure control unit is off when cleaning the electrodes or when dosing other chemicals.
- Only use diluted acid when cleaning the electrodes.
-  • The electrodes have a 10 000 – 15 000-hour life expectancy. Avoid excessive operation i.e. choose a pool pump cycle that is sufficient to generate enough chlorine required to sanitise your pool and no more.
- Select the appropriate chlorinator production level on the unit to avoid excessive cell wear.

SALT SOLUTION CONTROL UNIT INSTALLATION

Mount the control unit vertically against a flat surface (wall etc), preferably out of direct sunlight and out of the direct path of garden sprinklers. The control unit is splash / rain proof when mounted correctly.

Do not install the control unit inside a box, as the control unit requires air for cooling purposes.

The 'A.C.' mains cable can be connected to the output of the pump timer. This must be undertaken or authorized by a registered electrician.

The chlorinator 'earth' lead (green / yellow) must be connected to the 'earth bus' inside the distribution board or in accordance with the earthing requirements of the relevant local authorities, if specifically required.

SALT SOLUTION CELL INSTALLATION

Install the cell as shown in the accompanying diagram.

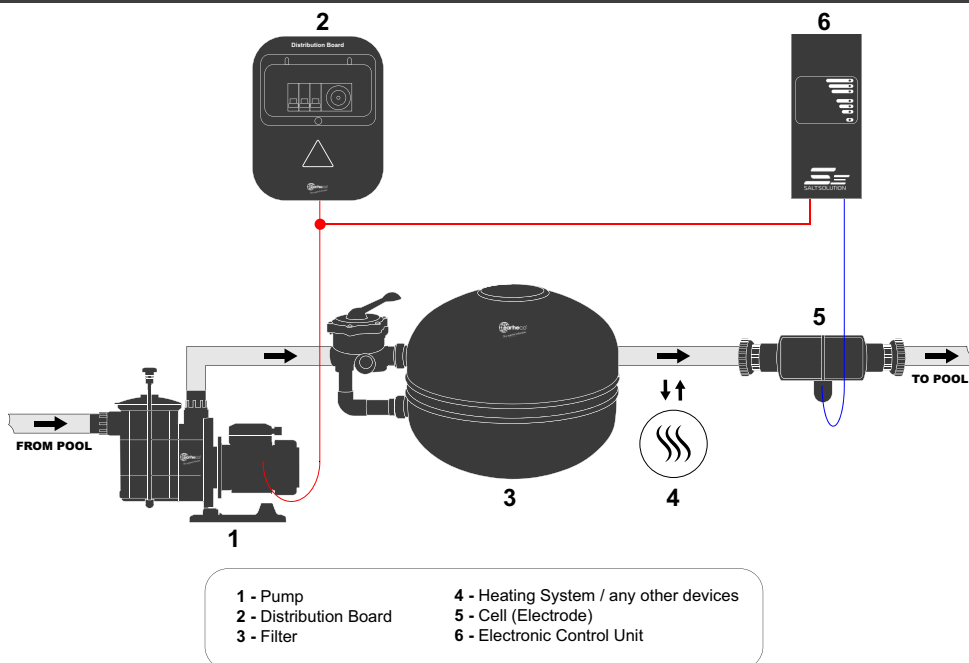
Install the cell with unions at the cell inlet and outlet as this is a consumable item that requires maintenance.

The cell must be installed as the last piece of equipment in the pool return line i.e. downstream of any receptacles, pool heaters, solar heaters and other equipment.

Cell connection – The cell leads connect to the jack connectors on the right side of the control unit. There is no specific polarity.

If the cell is installed below the pool water level, isolating valves (PVC ball types) should be fitted at the cell outlet and pump suction line.

INSTALLATION DIAGRAM



CONTACT US

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We recommend the use of **Ecogene** Speciality Pool Chemicals and **Eartheco** Pool Equipment.



ecogene

