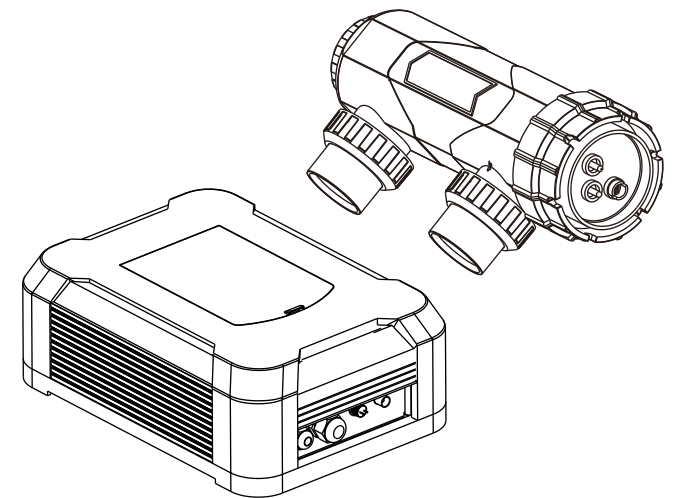


# ChlorQuick **SERIES** **SALT-CHLORINE GENERATOR**

**Owners Manual**  
**Installation and Operation**



## **PRESENTATION**

The salt chlorine generator uses an advanced micro-electronic computer technology, all of the operating systems are controlled by the electronic circuit control system. It's functional and simple to operate. Also it could reset and fault alarm automatically. Two optional control system modes (periodic and aperiodic) are available for customer to choose. It can save time and energy effectively.

The Salt Chlorine Generator is elaborately designed:

- \* Two optional outlets make installation more convenient. (see figure 1,2)
- \* Removable titanium panels are easy to clean, maintain and install.
- \* With epoxy resin protective layer, strong and anticorrosive.

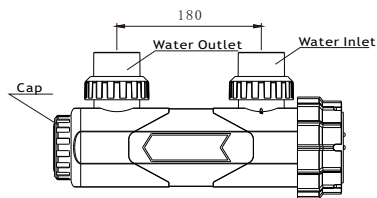


Figure 1

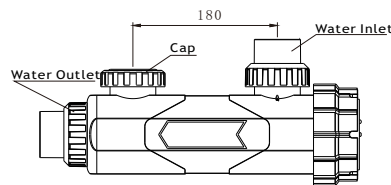


Figure 2

## **ATTENTION**

1. All installation and service must be done by licensed electrician. It can cause death, serious personal injury, and major property damage if ignored.
2. Power must be disconnected before servicing or making electrical connections to the generator. Do not remove the generator's front panel if the power supply is connected to the controller.
3. Read and follow all instructions before installing and operating. If there is any problem, please contact the sales agent or manufacturer.
4. If parts replacement needed, please contact the sales agent or manufacturer.

## **TECHNICAL DATA**

Model NO.	Electrolytic Cell Dimensions LxWxH (mm)	Control Box Dimensions LxWxH (mm)	Chlorine Output g/h	Voltage (V)	Pool Volume (m <sup>3</sup> )
CQ50	365x126x168	360x260x130	50	220	250
CQ25	365x126x168	360x260x130	25	220	125
CQ15	365x126x168	360x260x130	15	220	75

FAULT CODE	REASON OF TROUBLESHOOTING	SOLUTION
E4	The salt content of the pool water is too high.	Add more water or replace some of the salty water by new water.
E5	The salt content of the pool water is too low.	Put in more salt until the fault code does not flicker.

2. When the power is on, and the “Power” indicator is off, check whether there is power input on the control box, if there is, check whether there is any problem with the fuse which is inside the control box, if the parts above work properly, then the circuit Board is faulty and need to be replaced.

## **SERVICE AND MAINTENANCE**

### 1. Electrolytic cell

To ensure that the Salt Chlorine Generator is in top working condition, it is recommended to check the electrolytic cell every three months or after each cleaning of the filter.

#### Refer to the following steps:

- A. Turn off the system, after 10 minutes, close the valves and then take out the electrolytic cell from the pipe system.
- B. Take out the electrolytic cell from the plastic housing and check if it is dirty or not.
- C. If the electrolytic cell is clean, put it back.
- D. If the electrolytic cell is dirty, rinse with high pressure water. If the stain is not removed by the high pressure water, use a plastic brush or other tools to clean. Never use a metal brush or metal tool – This will cause damage to the electrolytic cell.
- E. If the stain can not be removed by the plastic brush or tool, please contact the manufacturer or the seller for the after service.

### 2. Prevent freezing

If the pool water temperature is under 15°C, please turn off the Salt Chlorine Generator to save power and for a longer service life.

If the water is frozen, damage will be done to the electrolytic cell and other parts. The pipes and the filters must be drained during frozen seasons.

3. The Salt Chlorine Generator must be operated with pool water that has a salt concentration of 2700-3400ppm and is up to the FINA Pool Water Standard.

## **CONTROL PANEL INSTRUCTIONS**

**Power:** Power indicator;

**Operate:** (1) Operation indicator;

(2) Flickering indicator if faulty;

(3)  $\frac{2h}{1h}$  : recycling of operation for **two hours** and  
breaking for one hour

breaking for one hour

$\frac{3h}{1h}$  : recycling of operation for **three hours** then  
breaking for one hour

breaking for one hour

$\frac{4h}{1h}$  : recycling of operation for **four hours** then  
breaking for one hour

breaking for one hour

**TIME** : Function/Time Set;

**MENU:** ON/OFF and Operation Menu.;

“+” : increase ; “-” : decrease;

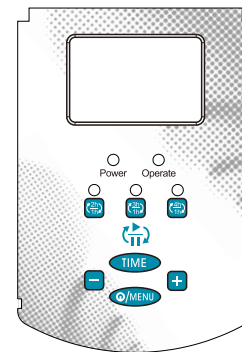


Figure 3

## **INSTALLATION**

1. Install the electrolytic cell on the bypassed pipes after filtration of the pool cycling pipe system. And a valve must be installed in the main pipe. (see figure 4)
2. The water flow switch must be installed before the water inlet of the electrolytic cell. (see figure 4)
3. Install the control box in a well ventilated place, mount the control box to ensure the least amount of direct exposure to rain, garden sprinkler water, direct sunlight or any corrosive environment. Mount the control box on the wall with M4 screws. (see figure 5)
4. Connect the power output cable (2X6 mm<sup>2</sup>) of the control box to the electrolytic cell, connect brown wire to the positive pole, connect the blue wire to the negative pole, connect the water flow switch and the temperature sensor to the control box by the supplied wire and connector. (see figure 6)

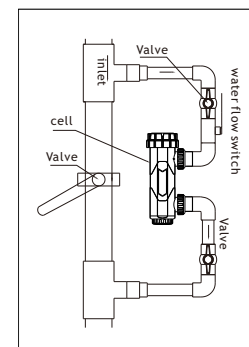


Figure 4

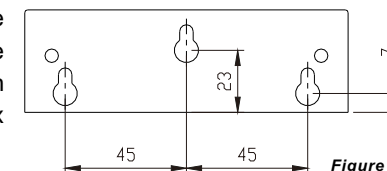


Figure 5

**NOTE:** The Salt-Chlorine Generator must be connected to the power supply(AC/220V/ 50-60Hz) including the LEAKAGE CIRCUIT BREAKER.

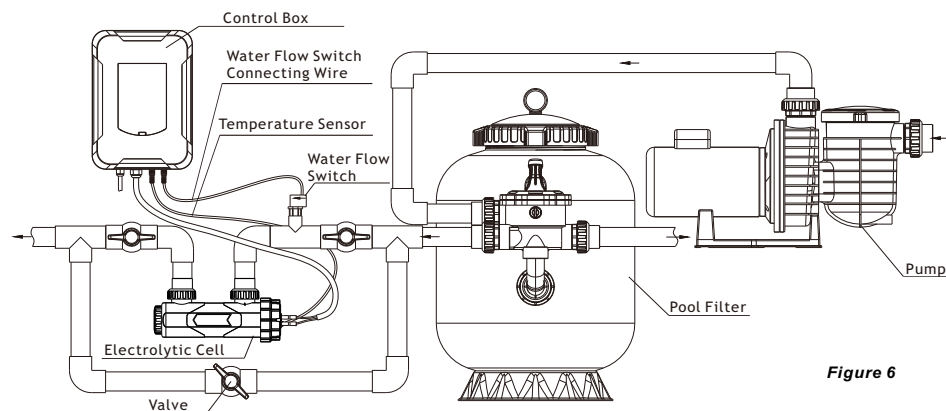


Figure 6

## OPERATION

1. After installation, supply the power to generator, the “Power” indicator will be lit and the display will show the time and the water temperature inside the generator. (The details are as follows)

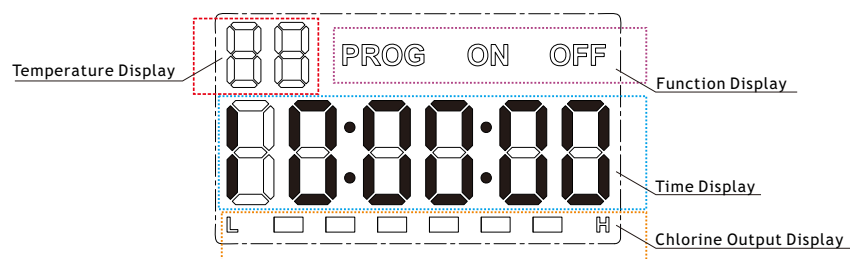


Figure 7

## Description:

- ★ **Temperature Display:** Show the water temperature inside the generator when operating. Show the current task number when setting or debugging.
- ★ **Function Display:** “PROG” indicate the condition of the task, “ON” is running, “OFF” is to stop producing chlorine.
- ★ **Time Display:** Show the local time or the task time when setting or debugging.
- ★ **Chlorine Output Display:** “L” means low, “H” means high. More bright blocks signifies more chlorine output.

2. Press the button “MENU” on the control panel, the “Operate” indicator would be lit and 6 bright blocks will be shown on the chlorine output display. Press “+” or “-” button to adjust the output of the chlorine. Press the “MENU” button to save.
3. Set the time on the display (This is only the Clock, not the Timer): Press “TIME” button, when the “time” indicator start flickering, press “+” or “-” button to adjust the time (24 hours). The sequence of display is Hour-Minute-Second, after adjustment, press the “MENU” button to save.
4. Optional shortcuts: press one of the optional shortcuts (the figures are as shown in figure 3) to adjust the operation model according to the requirement in operation.
  - (1) when  $(\frac{2h}{1h})$  is pressed, it is working in the pattern of recycling of operation for **two hours** and breaking for one hour.
  - (2) when  $(\frac{3h}{1h})$  is pressed, it is working in the pattern of recycling of operation for **three hours** then breaking for one hour.
  - (3) when  $(\frac{4h}{1h})$  is pressed, it is working in the pattern of recycling of operation for **four hours** then breaking for one hour.

## TROUBLESHOOTING

1. When the “Operate” indicator flickers, it means a fault occurred. A fault code will be shown on the top left corner of the display. The common **TROUBLESHOOTING** is as follows:

FAULT CODE	REASON OF TROUBLESHOOTING	SOLUTION
E1	<ol style="list-style-type: none"> <li>① The place for mounting the control Box is humid and not ventilated.</li> <li>② The fan of the control box is faulty.</li> </ol>	<ol style="list-style-type: none"> <li>① Improve the environment or re-mount it in a new ventilated place.</li> <li>② Replace the fan.</li> </ol>
E2	<ol style="list-style-type: none"> <li>① The controller and generator are not connected properly or there is a short circuit.</li> <li>② The temperature probe is damaged.</li> </ol>	<ol style="list-style-type: none"> <li>① Check the wiring or re-connect the circuit wire again.</li> <li>② Replace the temperature probe.</li> </ol>
E3	<ol style="list-style-type: none"> <li>① The flow switch and the control Box is not connected properly.</li> <li>② The flow switch and the control Box is installed backwards.</li> <li>③ The flow switch is damaged.</li> </ol>	<ol style="list-style-type: none"> <li>① Check the wiring and re-connect.</li> <li>② Check the water flow switch and remount it.</li> <li>③ Replace the flow Switch.</li> </ol>