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.

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

<table>
<thead>
<tr>
<th>Model NO.</th>
<th>Electrolytic Cell Dimensions</th>
<th>Control Box Dimensions</th>
<th>Chlorine Output (g/h)</th>
<th>Voltage (V)</th>
<th>Pool Volume (m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CQ50</td>
<td>365x126x168</td>
<td>360x260x130</td>
<td>50</td>
<td>220</td>
<td>250</td>
</tr>
<tr>
<td>CQ25</td>
<td>365x126x168</td>
<td>360x260x130</td>
<td>25</td>
<td>220</td>
<td>125</td>
</tr>
<tr>
<td>CQ15</td>
<td>365x126x168</td>
<td>360x260x130</td>
<td>15</td>
<td>220</td>
<td>75</td>
</tr>
</tbody>
</table>
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
        \( \frac{3h}{1h} \): recycling of operation for three hours then breaking for one hour
        \( \frac{4h}{1h} \): recycling of operation for four hours then breaking for one hour

TIME: Function/Time Set;
MENU: ON/OFF and Operation Menu;
        "+": increase; "-": decrease;

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.

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 mm²) 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)
**NOTE:** The Salt-Chlorine Generator must be connected to the power supply(AC/220V/50-60Hz) including the LEAKAGE CIRCUIT BREAKER.

**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)

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 is pressed, it is working in the pattern of recycling of operation for two hours and breaking for one hour.

   (2) when is pressed, it is working in the pattern of recycling of operation for three hours then breaking for one hour.

   (3) when 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:

<table>
<thead>
<tr>
<th>FAULT CODE</th>
<th>REASON OF TROUBLESHOOTING</th>
<th>SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>E1</td>
<td>①The place for mounting the control Box is humid and not ventilated. ②The fan of the control box is faulty.</td>
<td>①Improve the environment or re-mount it in a new ventilated place. ②Replace the fan.</td>
</tr>
<tr>
<td>E2</td>
<td>①The controller and generator are not connected properly or there is a short circuit. ②The temperature probe is damaged.</td>
<td>①Check the wiring or re-connect the circuit wire again. ②Replace the temperature probe.</td>
</tr>
<tr>
<td>E3</td>
<td>①The flow switch and the control Box is not connected properly. ②The flow switch and the control Box is installed backwards. ③The flow switch is damaged.</td>
<td>①Check the wiring and re-connect. ②Check the water flow switch and remount it. ③Replace the flow Switch.</td>
</tr>
</tbody>
</table>