



## Instruction Manual

### 1.0 Installation

#### 1.1 Generic Replacement Cell Installation

- 1.1.1 To install the generic replacement cell for your Aqua Rite or other compatible saltwater chlorinator system, follow this procedure.
- 1.1.2 Turn power to the filter pump and chlorinator system off.
- 1.1.3 Remove the old cell from its position in the plumbing by loosening the unions on both ends of the cell. Unplug the cell cable from the chlorinator controller.
- 1.1.4 Inspect the o-rings on the two unions in the plumbing, if they are damaged or worn they should be replaced before installing the new replacement cell. If they are dry apply a suitable o-ring lubricant.
- 1.1.5 Position the new replacement cell within the plumbing area. Tighten the two unions BY HAND for a watertight seal. Over-tightening with tools may damage the unions or the replacement cell.
- 1.1.6 Plug the cell cable into the chlorinator controller. The power to the filter pump and chlorinator system can now be turned on.
- 1.1.7 The chlorinator system can now be operated as instructed in the manufacturers installation and operation manual.

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## **2.0 Maintenance**

### **2.1 Cell Maintenance**

- 2.1.1 To maintain optimal cell performance, it is recommended the cell is visually inspected every 3 months or after cleaning your filter. The chlorinator controller will remind you to do this by flashing the "Inspect Cell" LED after approximately 500 hours of operation. After you inspect the cell and clean if necessary, press the small "diagnostic" button next to the display for 3 seconds to stop the flashing "Inspect Cell" LED and start the timer for the next 500 hours.
- 2.1.2 The electrolytic cell has a self cleaning feature incorporated in the controller system. In most cases this self cleaning action will keep the cell working at optimum efficiency. In some areas where the water is hard (high mineral content) and in pools where the water chemistry has been allowed to get "out of balance", the cell may require periodic cleaning.
- 2.1.3 The "Inspect Cell" LED will indicate if cell efficiency is decreased and servicing is necessary. If the "Inspect Cell" LED remains on after a thorough cleaning, the cell may be worn and require replacement.

### **2.2 Procedure for Inspecting a Cell**

- 2.2.1 Turn power to the filter pump and chlorinator system off.
- 2.2.2 Conduct a visual inspection of the cell plates through the translucent housing.
- 2.2.3 If further inspection is required remove the cell from its position in the plumbing by loosening the unions on both ends of the cell.

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- 2.2.4 Look into both ends of the cell. A clean cell will have no white deposits on the plastic baffles or the metal plates. A dirty cell will have white chalky deposits which limit the flow of water through the cell.
  - 2.2.5 If the cell is dirty follow the cleaning procedures, otherwise re-install the cell.

### **2.3 Procedure for Cleaning a Cell**

- 2.3.1 Turn power to the filter pump and chlorinator system off.
- 2.3.2 Remove the cell from its position in the plumbing by loosening the unions on both ends of the cell. Unplug the cell cable from the chlorinator controller.
- 2.3.3 With the cell removed use a high pressure hose nozzle to spray off as much loose scale and debris as possible.
- 2.3.4 Do not use any sharp or metallic objects to remove scale. Scraping or scratching the cell plate's edge or surface will allow chemical attack of the plate, cause premature failure of the cell and will void the warranty.
- 2.3.5 If further cleaning is required the cell needs to be cleaned in a mixture of one (1) part Hydrochloric (Muriatic) Acid into four (4) parts water (always add acid to the water). When using the acid ensure to use rubber gloves and appropriate eye protection.
- 2.3.6 If available connect the cell to a Goldline Cell Cleaning Stand. If this is not available place the cell in a bucket.
- 2.3.7 Fill the cell if the cleaning stand is used, or a bucket if not used with the acid. If a bucket is used ensure that the acid fill line is below the cable harness compartment, submerging of this area will damage the cell's electronics and void the warranty.
- 2.3.8 Clean the cell until the foaming action stops (typically 5 to 10 minutes). Rinse the cell with fresh water and re-install into the plumbing line.

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## 3.0 Limited Warranty

- 3.1.1 This generic cell carries the following 5 year pro rata warranty should fault occur due to faulty manufacture or materials, under normal use and service.
- 3.1.2 For residential use, Salt Pro Systems warrants the original purchaser that the equipment shall be free of manufacturer defects at the time of sale and upon examination, shall provide replacement parts or repair in accordance with the following schedule.
- 3.1.3 **First Year.** Replacement cell supplied from our facility at no cost. Salt Pro Systems reserves the right to determine whether or not a cell will be replaced with a new or refurbished cell or repaired.
- 3.1.4 **Second Year.** Replacement cell supplied from our facility at 30% of the published retail price.
- 3.1.5 **Third Year.** Replacement cell supplied from our facility at 50% of the published retail price.
- 3.1.6 **Fourth Year.** Replacement cell supplied from our facility at 70% of the published retail price.
- 3.1.7 **Fifth Year.** Replacement cell supplied from our facility at 70% of the published retail price.
- 3.1.8 For commercial use in any “regulated pool”, all parts are warranted against defect for a period of one year, without pro-ration.
- 3.1.9 The warranty may be void if the following occurs:
- Damage to the unit beyond Salt Pro Systems control.
  - If correct pool chemistry is not maintained.

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- The cell is not cleaned regularly or cleaned by any other method other than by the method recommended by the manufacturer.
  - Damage due to improper service.

3.1.10 This warranty is applicable to workmanship and materials only and Salt Pro Systems, its agents, employees, and affiliates expressly disclaim responsibility for loss, damage, or injuries to persons or property arising from warranty failure, or installation of equipment.

3.1.11 **In no event shall Salt Pro Systems be responsible for any consequential, special or incidental damages of any nature whatsoever, including, but not limited to, personal injury, property damage, damage to or loss of equipment, lost profits or revenue, costs of renting replacements, and other additional expenses, even if the seller had been advised of the possibility of such damages.**

3.1.12 Warranty claims must be initiated in a timely manner.

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## 4.0 Menu Setting

### Replacement Cell for T-CELL-15® and GLX-CELL-15-W®

#### **NEW MENU SETTING MAY BE REQUIRED!**

The GRC40GH is designed for pools up to 40,000 gallons. When replacing an existing T-CELL-15® or GLX-CELL-15®, **NO RE-CONFIGURATION IS NECESSARY.**

Configuration of your controller may be required before using the GRC40GH chlorinator cell. Refer to the information below. Incorrect configuration will cause inaccurate salt readings, improper operation, and possible system shutdown.

**CONFIGURATION is necessary with the following models:**

- AQR (Aqua Rite® – all 2009 or later) – firmware version 1.5 or later
- AQR-PRO (Aqua Rite Pro®)
- PL-P-4 (Pro Logic P4®)
- PL-PS-x (Pro Logic PS®)
- AQ-LOGIC-P-4 (Pro Logic P4®)
- AQ-LOGIC-PS-x (Pro Logic PS®)

**NO CONFIGURATION is necessary with the following models:**

- AQ-RITE (Aqua Rite® – 2008 and earlier) - firmware earlier than version 1.5
- AQ-RITE-XL (Aqua Rite XL®) **Connecting to an AQR:**
  1. Slide the Main Switch to the “Auto” position.
  2. Push the Diagnostic button repeatedly until “t-xx” appears on the display (“t-15” is the factory default). If “t-15” is displayed, skip to step 4.
  3. To change cell type, slide the Main Switch from “Auto” to “Super Chlorinate” and back to “Auto”. Repeat this process until the “t-15” is displayed.
  4. Push the Diagnostic button to exit.

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### **Connecting to an AQR-PRO:**

1. Access the Settings Menu by pushing the “Settings” button.
2. Push “>” until Chlor. Config is displayed, the push “+”.
3. Push “>” repeatedly until “Cell Type” is displayed.
4. Push “+” or “\_” until “T-CELL-15” is displayed.
5. Exit Settings Menu by pushing the “Info” button.

### **Connecting to an AQ-LOGIC-P-4, AQ-LOGIC-PS-x, PL-P-4 or PL-PS-x:**

1. Enter the Configuration Menu.
2. Push “>” until Chlor. Config is displayed, then push “+”.
3. With the Chlorinator Enabled, push “>” repeatedly until “Cell Type” is displayed.
4. Push “+” or “\_” until ‘T-CELL-15’ IS DISPLAYED.
5. Exit Settings Menu by pushing the “Menu” button.



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