



CALIMAR

Generic Replacement Cell for Aqua Rite Turbo Cell Instruction Manual

Part Numbers: CMARHY15-3Y, CMARHY20-3Y, CMARHY25-3Y, CMARHY40-3Y

Specifications: 15K gallons, 20K gallons, 25K gallons, 40K gallons

Compatible Systems: Aqua Rite, Aqua Logic, Mineral Springs, Naturesoft



For assistance please contact the CaliMar technical and warranty hotline.

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1.0 Installation

1.1 Generic Replacement Cell Installation

To install the generic replacement cell for your Aqua Rite or other compatible saltwater chlorinator system, follow this procedure.

- 1.1.1** Turn power to the filter pump and chlorinator system off.
- 1.1.2** 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.
- 1.1.3** 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.
- 1.1.4** 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.
- 1.1.5** Plug the cell cable into the chlorinator controller. The power to the filter pump and chlorinator system can now be turned on.
- 1.1.6** The chlorinator system can now be operated as instructed in the manufacturer's installation and operation manual.



2.0 Maintenance

2.1 Cell Maintenance

To maintain optimal cell performance, it is recommended the cell is visually inspected every three 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 three seconds to stop the flashing "Inspect Cell" LED and start the timer for the next 500 hours.

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.

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 blue 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.
- 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 Inspecting 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 cells 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.



3.0 Warranty

- 3.1.1** This generic cell carries the following warranty should fault occur due to faulty manufacture or materials.
- 3.1.2** CaliMar warrants the original purchaser of the unit for a period of 3 full years (commercial installations for a period of 12 months) on the cell from the date of purchase should examination disclose to its satisfaction the unit has failed due to faulty manufacture or materials.
- 3.1.3** The warranty may be void if the following occurs:
- Damage to the unit beyond CaliMar's control.
 - If correct pool chemistry is not maintained.
 - The cell is not cleaned regularly or cleaned by any other method other than by the method recommended by the manufacturer.
- 3.1.4** This warranty is applicable to workmanship and materials only. CaliMar or its agent will replace at no charge all parts return freight paid, which display faulty workmanship or materials.
- 3.1.5** CaliMar or its agent accept no responsibility for loss, damage or injuries to person or property arising from warranty failure of equipment, or installation of that equipment. This warranty shall not extend to any expenditure otherwise incurred.

