



CALIMAR

Installation and Maintenance Instructions for

Salt Cell CMARCHA40-3Y

Generic Replacement for Hayward T-CELL-15



Thank you for your purchase of the CaliMar CMARCHA40-3Y salt cell. The CMARCHA40-3Y is meant for use in pools up to 40,000 gallons in volume and is a direct replacement cell for Hayward saltwater chlorination systems as well as for the CaliMar CMARSHA40-3Y system.

The CMARCHA40-3Y can be used in all Hayward AquaRite systems and all Hayward AquaLogic systems. This makes it a more universal replacement cell for Hayward systems than the CaliMar CMARCHA15-3Y (T-CELL-3 equivalent, 15,000 gallon capacity) and the CaliMar CMARCHA25-3Y (T-CELL-9 equivalent, 25,000 gallon capacity), which can only be used in AquaRite systems with firmware revision 1.5 or newer or in AquaLogic systems with firmware revision 4.2 or newer. The revisions took place in 2009.

If any of the following applies to you, the CMARCHA40-3Y is the proper generic replacement cell choice for your Hayward salt system:

- 1. Your system was made in 2009 or earlier**
- 2. Your pool is larger than 25,000 gallons in volume**
- 3. You are replacing a T-CELL-15**

The simple instructions for reconfiguring your power center (if necessary) are provided below.

Notes on System Configuration for CMARCHA40-3Y

When replacing an existing T-CELL-15, GLX-CELL-15 or generic equivalent cell with the CMARCHA40-3Y, no system reconfiguration is necessary. However, when using the CMARCHA40-3Y to replace a T-CELL-3 or T-CELL-9 (or a generic equivalent), some adjustments may be necessary:

No reconfiguration is necessary for these models:

- **AQ-RITE (AquaRite systems from 2008 and earlier – firmware older than version 1.5**
- **AQ-RITE-XL**

Reconfiguring for other salt system models:

- **For AquaRite models from 2009 or later, firmware version 1.5 or newer:**
 - o **Slide the main switch to “Auto”**
 - o **Push the Diagnostic button until “t-xx” shows on the display. If “t-15” is on the display, skip the next step**
 - o **To change displayed cell type, slide the main switch from “Auto” to “Super Chlorinate” and back to “Auto”, repeating until “t-15 is displayed”**
 - o **Push Diagnostic Button to exit**
- **For AquaRite Pro models:**
 - o **Access Settings Menu by pushing “Settings” button**
 - o **Push “>” until Chlor. Config is displayed, then push “+”**
 - o **Push “>” repeatedly until “Cell Type” is displayed**
 - o **Push “+” or “-“ until “T-CELL-15” is displayed**
 - o **Exit Settings Menu by pushing “Info” button”**
- **For all Pro Logic models:**
 - o **Enter the Configuration Menu**
 - o **Push “>” until Chlor. Config is displayed, then push “+”**
 - o **With Chlorinator enabled, push “>” repeatedly until “Cell Type” is displayed**
 - o **Push “+” or “-“ until “T-CELL-15” is displayed**
 - o **Exit Settings Menu by pushing Menu button**

Installation

- 1. Turn the power to both the filter pump and the cell’s power center off.**
- 2. Remove the old salt cell from the plumbing and unplug it from the cell cord connection it to the power center.**

- 3. Inspect the O-rings on the unions connecting the cell to the plumbing to see if they need replacement. If so, replace them before installing the new cell.**
- 4. Place the CMARCHA40-3Y in line and secure the unions by hand. Do not overtighten with use of tools.**
- 5. Plug the cell cord back into the power supply, and turn the filter pump and cell power center both back on, and refer to the owner's manual of your salt system for regular operation instructions.**

Maintenance

Your CaliMar CMARCHA40-3Y replacement cell comes standard with a three-year manufacturer warranty. There are a number of routine steps you can take, however, to help ensure that its usefulness extends much longer under normal operating conditions.

- 1. Visually examine the cell each time the "Inspect Cell" LED light comes on. This light will turn on after every 500 hours of operation, and thus if you run your pump six hours per day the light will serve as a reminder roughly every three months. Make sure to turn the filter pump and cell power center off before doing so.**
- 2. Calcium will build up over time on the cell blades, particularly in periods of high use or where water minerals are abundant, but cleaning the cell is a simple process that will usually remedy the problem.**
 - a. After completely removing the cell from plumbing and the power supply, hose off scale and loose debris from the cell blades. Do not use sharp objects to remove buildup from the blades, as this will damage their chemical composition and shorten the cell's life span.**
 - b. If needed, use a solution of 80 percent water and 20 percent muriatic acid to clean the cell (always add acid to the water). If a cell cleaning stand is available, fill the cell with the solution and let stand for about 10 minutes. If not, the solution can be poured into a bucket and the cell dipped into it, taking care to avoid the acid contacting the cord harness.**
 - c. Rinse the cell with clean water and reattach to the plumbing line.**
- 3. If the "Inspect Cell" light remains on after a thorough cleaning, this is usually a sign that the cell is wearing down and needs replacing.**