



## Generic Replacement Cell for Monarch Cells Instruction Manual

**Part Numbers:** GRC/16EM, GRC/EM,  
**Old Part Numbers:** ESC16, ESC24,36,48  
**Specifications:** 9 Plates, 13 Plates  
**Compatible Systems:** Monarch Chloromatic and Ecomatic Systems



For assistance please contact the Compu Pool technical and warranty hotline.

**Toll free number: (888)-989-7258 9:00am - 5:00pm EST**

Compu Pool Products USA  
126 Semoran Commerce Place,  
Apopka FL, 32703 USA  
Phone: (888)-989-7258  
Fax: (407)-880-6483  
[www.compupoolproducts.com](http://www.compupoolproducts.com)

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## 1.0 Installation

### 1.1 Generic Replacement Cell Installation

To install the generic replacement cell for your Monarch 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 cell housing - remove the cell cables, loosen the cell threaded collar and remove the cell from the housing.
- 1.1.3 Position the new replacement cell in the housing and tighten the threaded collar **BY HAND** for a watertight seal. Over-tightening with tools may damage the cell or housing.
- 1.1.4 Plug the cell cables into the new cell. The power to the filter pump and chlorinator system can now be turned on.
- 1.1.5 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

To maintain optimal cell performance, it is recommended the cell is visually inspected every 3 months or after cleaning your filter.

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.

### 2.2 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 cell housing.
- 2.2.3 If further inspection is required remove the cell from the cell housing.
- 2.2.4 Look into both ends of the cell. A clean cell will have no white deposits on 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 cell housing by removing the cables and loosening the threaded collar.
- 2.3.3 With the cell removed use a high pressure hose nozzle to spray off as much loose scale and debris as possible. Use a plastic or wooden tool to remove deposits off the plates.

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- 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 Place the cell in a bucket and fill with the acid. Ensure that the acid fill line is below the cell head and cable connector area, submerging this area will damage the cells electronics and void the warranty.
  - 2.3.7 Clean the cell until the foaming action stops (typically 5 to 10 minutes). Rinse the cell with fresh water and re-install into the cell housing.

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## 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 Compu Pool Products warrants the original purchaser of the unit for a period of 2 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 Compu Pool Product'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. Compu Pool Products or its agent will replace at no charge all parts return freight paid, which display faulty workmanship or materials.
- 3.1.5 Compu Pool Products 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.



