

Chlorinator Maintenance

How to clean your cell.

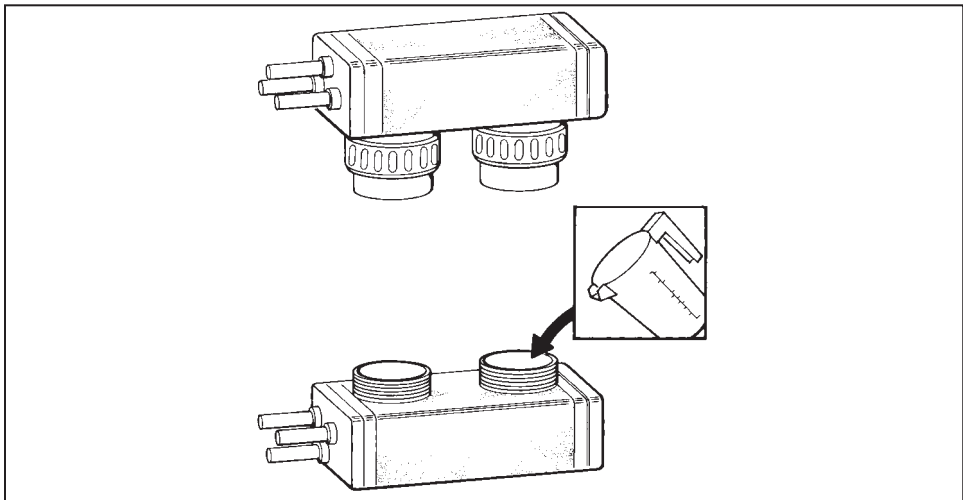
In unusual situations, the self cleaning electrodes may benefit from occasional manual cleaning to remove scale build-up as the result of having very "hard" water or continuous high pH conditions, which can occur with new plaster finishes.

1. Switch off the filter pump and chlorinator, close necessary valves.

Note: Always turn pump off prior to installing or removing any Clearwater Cell.

Your pump/filter system is operated under pressure and pressure must be released before you begin. Open the air relief valve on your pool filter to release the pressure in the system.

2. Unplug the leads from the cell terminals.
3. Undo the two barrel unions joining the cell housing to the pool filtration system and carefully remove the cell housing. Lay the housing upside down on a flat surface with the inlet ports on top.



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4. Mix cleaning solution in a suitable plastic vessel by adding one (1) part of Hydrochloric (muriatic) acid to ten (10) parts water. **Note: To avoid splash, always ADD MURIATIC ACID TO WATER rather than water to muriatic acid. Solutions stronger than 1:10 will damage cell and void warranty.** Pour the cleaning mixture into the upturned cell housing until the electrodes are completely covered. Allow the cleaning solution to dissolve the calcium deposits for approximately 5 minutes. When the electrodes are clean, pour the cleaning solution and the calcium residue out of the cell housing into a bucket of water. This can now be disposed of down a drain. **Note: Never mix chemicals together. Always rinse bucket and drain area after cleaning cell.**

To avoid personal injury when working with pool chemicals, always wear rubber gloves and eye protection and work in a well ventilated area. Use caution when choosing a location to open and use chemicals as they may damage any surface in which they come in contact.

5. Repeat the procedure if necessary. Take care to avoid splashing the cell terminals and other equipment with the acidic cleaning solution. Wash down any spills with plenty of fresh water.
6. Rinse the electrodes in clean water and refit the cell and housing to the filtration system. Tighten the barrel union connections to prevent leaks.
7. Replace the electrical connectors after drying and smearing lightly with silicone grease.
8. Reset valves and switches. Turn pump and chlorinator on.
9. Confirm chlorine output and settings on the powerpack. Timer settings are automatically retained.

Your Zodiac Chlorinator has been designed with an electronic flow switch. This device automatically switches the chlorinator "OFF" when water through the cell stops. To prevent cell damage and personal injury, do not in any way interfere with this system that has been designed for your protection.

Damage caused by insects.

The case of the chlorinator power pack has small vents to allow internal components to remain cool in hot weather. Sometimes small insects may enter the case of the power pack, and this can cause damage to the internal electrical components. To avoid this, spray some insect repellent on surfaces around the powerpack.