



# ACID CLEANING KIT (P/N 523103)

FOR INTELLICHLOR<sup>®</sup> AND iCHLOR<sup>®</sup> SALT CHLORINE GENERATORS

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## INSTALLATION AND USER'S GUIDE

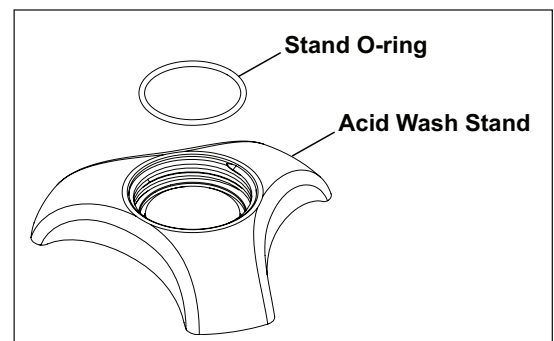
IMPORTANT SAFETY INSTRUCTIONS  
*READ AND FOLLOW ALL INSTRUCTIONS*  
SAVE THESE INSTRUCTIONS

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The IntelliChlor and iChlor Electrolytic Cell must be acid cleaned if excessive scale forms between the plates or debris is present. For more information about cleaning the electrolytic cell, refer to the IntelliChlor User's Guide (P/N 520589) or iChlor Installation and User's Guide (P/N 522709).

### Kit Contents:

- Stand O-ring
- Acid Wash Stand



### Removing the Sanitizer Cell and Installing the Acid Cleaning Kit

1. Disconnect the IntelliChlor or iChlor power cable from the power center. If the IntelliChlor or iChlor cell is connected to an IntelliTouch load center, disconnect the cable from the load center.
2. Remove the electrolytic cell from the pool system plumbing. To remove the cell, first switch off the system pump and unscrew both unions.  
**Note:** If the cell cable is attached to the system pipe, you may need release the cable from the pipe to allow the cell to be placed in the bucket.
3. Place the o-ring in the acid wash stand.
4. Thread the acid wash stand onto the flow switch side of the IntelliChlor or iChlor cell.
5. Proceed to "Acid Washing the Electrolytic Cell" on the next page.

## Acid Washing the Electrolytic Cell

If the electrolytic cell has a tendency to scale, it is recommended that every two months the cell be removed and inspected for scale formation and/or debris. Some filters allow debris to pass through to the cell, possibly lodging between the plates in the cell. A small amount of scale formation is normal. If by looking through the cell it is observed that there is excessive scale formation between the plates or debris is present, the cell must be cleaned either by using a high-pressure jet of water from a garden hose or by acid cleaning. Acid cleaning must be performed if the cell cannot be reasonably cleaned using water from a high-pressure garden hose.

### To acid wash the Electrolytic Cell:

1. Remove the electrolytic cell from the pool system plumbing as described on the previous page.
2. Install the acid cleaning kit on to the IntelliChlor or iChlor cell as described on the previous page.

#### **WARNING**



**Working with muriatic acid can be dangerous. When cleaning the electrolytic cell always wear rubber gloves and eye protection. Always add acid to water, do not add water to acid. Always work in a well-ventilated area. Splashing or spilling acid can cause severe personal injury and/or property damage.**

3. Create an acid solution by mixing one quart of muriatic acid with one gallon of tap water in a plastic five (5) gallon bucket. ALWAYS add acid to the water, NEVER add water to the acid. Always wear eye protection and use rubber gloves. Always work in a well-ventilated area.
4. Stand the cell, with the acid wash stand installed, on a flat surface. See the image to the right.
5. Carefully pour the acid solution into the cell until the blades are just covered. Allow the acid solution to bubble, and to clean the blades. The acid should only be contained in the cell and not around it.



A foaming action will begin, which is caused by scale (calcium carbonate) being dissolved from the plates. If rigorous foaming action does not begin, the cell does not need to be cleaned (STOP THE CLEANING PROCESS - go on to step 6). Otherwise, allow the cell to remain in the solution until the foaming has stopped. However, do not leave in acid for more than 1/2 hour. Excessive Acid Washing will damage the electrolytic cell.

6. Pour the acid solution back into the five gallon bucket. Rinse the cell thoroughly with clean tap water and inspect. If clean, replace the cell and resume normal operation.  
**Note:** If deposits are still visible, repeat steps 5-6. Additional acid may need to be added to the solution.
7. After the acid wash procedure is complete it is recommended that a sample of pool water be analyzed by an authorized IntelliChlor or iChlor service representative for excessive hardness and/or improper water balance.
8. If no scale or debris deposits are observed in the cell after two bimonthly inspections, it is not necessary to continue bimonthly inspections. However, due to possible changes in pool water chemistry and filtering effectiveness, it is recommended that the cell be removed for inspection at least twice a year.
9. Unscrew the acid wash stand and o-ring from the threaded end of the cell. The acid cleaning kit can be used again for future cell cleaning.
10. Using the two unions, reinstall the cell into the system plumbing, connect the power cable to power source or load center and then switch the pump on.

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