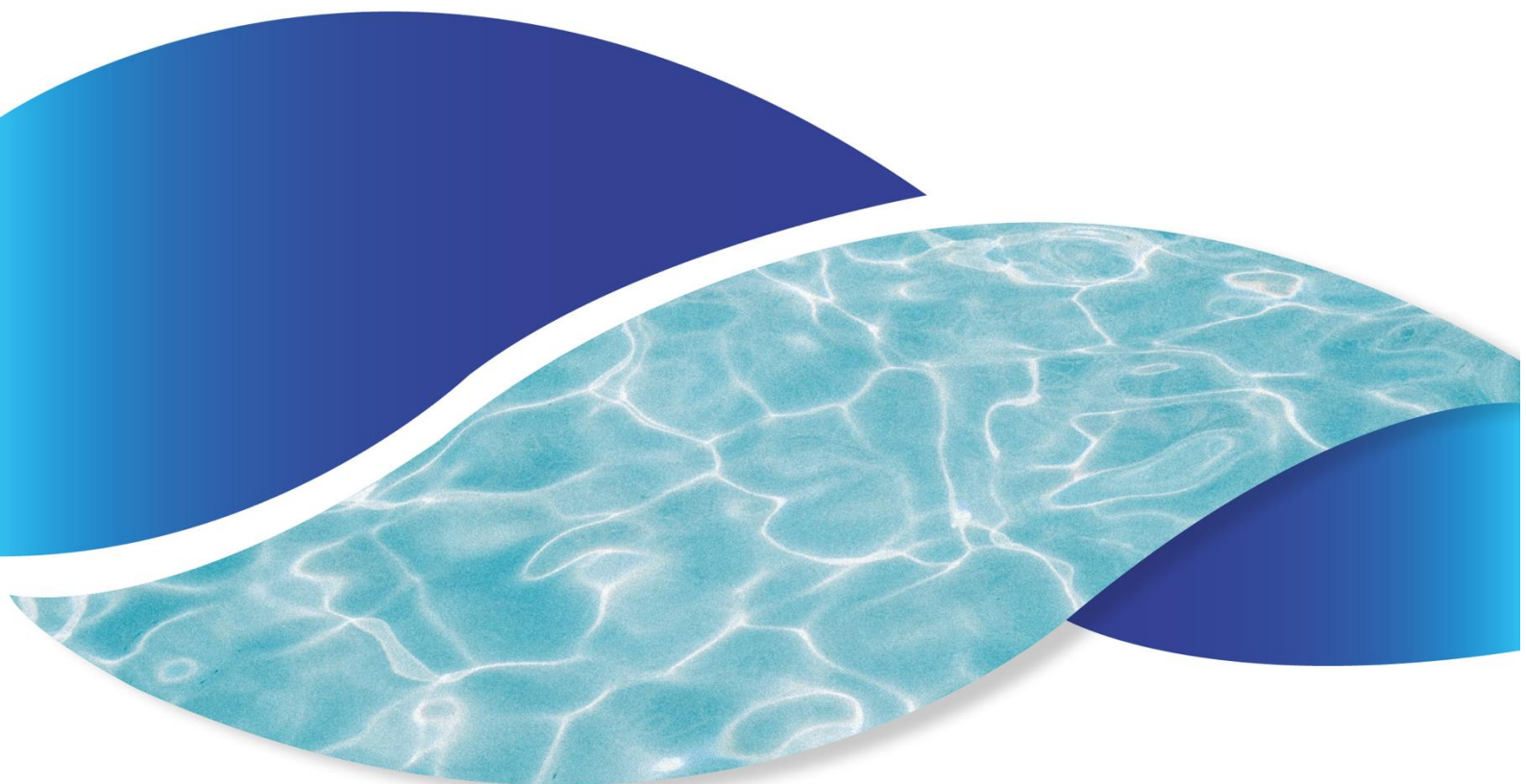


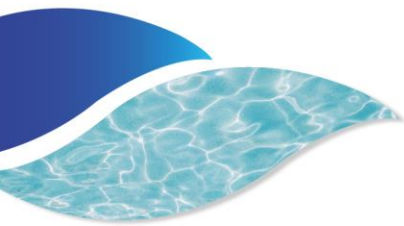


**BENIFERRO.eu**  
plug & play products



# Quickstart guide

**Pool Duo HS Salt electrolysis  
ZLAX0016-P, ZLAX0020-P en ZLAX0030-P**



## Unpacking

### Safety regulations

- The electrical installation must be carried out in such a way that:
  - The salt electrolysis and acid pump cannot work if the filter pump is not working. This can be done by adding a flow switch / flow controller ZWMX3552-P (preferred) to the installation or by using the same power line as the filter pump.
  - The acid pump and electrolysis can be turned off when the filter pump is running. This can be done by pressing the on/off button on the bottom of the dosing pump or on top of the electrolysis.
- Addition of the pool chemicals should be done downstream of the pool accessories such as heater, UV lamp, filter, and downstream of the measuring probes.
- It is recommended to put the installation of the water treatment unit in bypass configuration.
- Install the water treatment unit on a solid base or against the wall (always vertically)
- Always keep the product upright. If the product is tilted or placed on its side, the probes will not be able to measure correctly, resulting in incorrect measurements
- The product must be installed indoors.
- The acid dosing device may not be used with hydrochloric acid (HCl).
- Make sure that - in the event of a leak - the water or chemicals cannot run over the installation.
- The electronics or the device itself must never be connected to an output of a frequency converter or a frequency inverter
- The dosing device must not be on the same power circuit as that of the frequency regulator and frequency regulator it is at least 3m from the dosing unit.
- Calibrate the pH and Rx probes before first use and at least every 3 months thereafter. Verify "regularly" the chlorine content and pH with a color method.

Always take into account the safety provisions described in the manual

## Installation

Before installation: Add salt (3.5-4.5 kg/m<sup>3</sup>) to the water

1) Hang the unit in the desired place

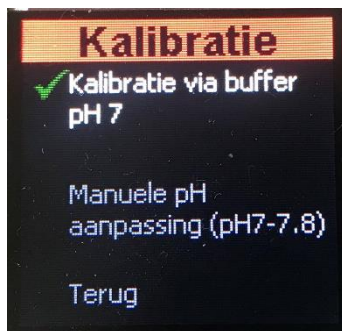
2) Glue the entrance and exit of the cell and the PVC bend, use enough glue PVC pool glue to prevent leaks. (fig1)

3) Connect to the mains. If necessary, adjust the language of the device (see below)

4) Connect the probes (left pH – right Chlorine)



5) Calibrate the probes with pH and Redox calibration solution



Immerse the probes in the pH (pH 7) and Redox (465-468 mV) calibration fluids and wait 5 minutes to equilibrate before continuing with the calibration process. Press the pH calibration button (top button) for 10 seconds and then select Calibration via buffer pH7



A timer will stop after 120 seconds and notify you if the calibration was successful.

Start the calibration of the Redox probe by pressing the Redox calibration key (bottom key) for 10 sec and perform the above operation, now for Redox.

5) Insert the probes into the dosing tube, disconnect the installation from the mains, connect water and test for leaks.

6) Set the parameters:

The settings are made by the buttons on the blue lid

Middle button is the enter button, top and bottom buttons are scroll and selection buttons



### 1 LANGUAGE :

You choose the desired Language

### 2 DOSING METHOD:

#### Attention!

With salt electrolysis you may NOT use the dosing methods Continuous and proportional.

For salt electrolysis you can choose 2 options:

Option 1: Salt time or

Option 2: Salt Rx, choice goes to Salt RX for Start-up.



Choose option 2 : Salt RX.

### 3) PH+ or PH-

PH- (min) must always be set when using the dosing unit on salt electrolysis

It is not possible to add both PH+ and PH-: PH- or PH+, never both at the same time.

### 4) PH SP(SetPoint)

As a rule, the pH will be regulated at 7.4

### 5) Rx SP(Redox SetPoint)

At startup, we recommend setting the setpoint to 700mV. When this set point is reached, measure the chlorine using a reliable staining method. If the chlorine content is too low, increase the set point. If the chlorine content is too high, lower the setpoint. ATTENTION: with salt electrolysis it sometimes happens that the RX measurement (temporarily) does not work. Read the manual for more details. Regularly measure the chlorine level during the start-up phase

### 6)Flow switch; no , yes

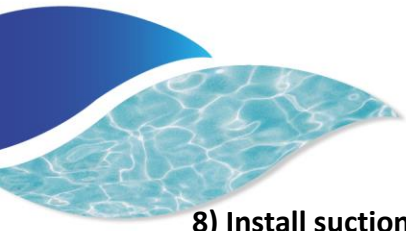
The unit ZWMX7525-P is entered on the unit without a flow switch NO

The unit ZWMX7526-P has been entered on the unit with a flow switch YES

### 7) Safety alarm: on or off or info

The alarm function ensures that the installation stops at very high/low pH and at very long dosing.

During a first start-up it is sometimes necessary to temporarily set the alarm to "off". Once the pool is at the requested values, we then set the alarm back to "ON"



### 8) Install suction nipple

Insert the suction cap of Ph into the acid canister. It is recommended not to lower the suction cap to the bottom of the can. If something goes wrong with the dosage, not the entire can of acid will be pumped into the pool.

### 9) Start the installation

If the installation is leak-free: connect to the mains. Start the installation by turning on the electricity from the pump. Switch on the dosing pump with the on/off button at the bottom of the dosing device.

Verify the pH, and if necessary adjust the pH manually to 7.2-7.4.

### 10) Start the chlorinator

Press the start-stop indicator at level 3

1. Led monitor (displays the water temperature under normal operation, displays the corresponding error code if any problem occurs)
2. level indicator light (1 light represents level 1; 2 lights represents level 2; ... 5 lights represent level 5)
3. Chlorine production level control button
4. boost indicator light
5. Boost button
6. level reduction button
7. Operation Indicator Light
8. Start/stop button

**Good luck !**



**A pool is not balanced after a few hours of dosing, be patient!!**