

Balance Water

These instructions are repeated in the User Manual and should be repeated if the pool is refilled.

Adjust water balance

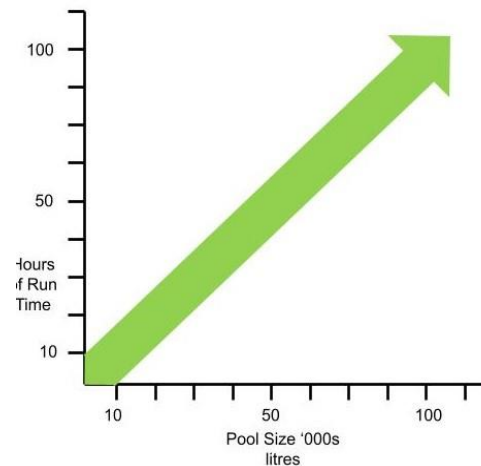
Parameter	Minimum	Ideal Range	Maximum	Adjust by
pH	6.8	7.1 - 7.4	7.6	Use Hydrochloric Acid or Sodium Bisulphate to reduce. Sodium Bicarbonate to increase
Calcium Hardness	160	170 - 250ppm	400	Use Calcium Chloride to increase
Alkalinity	50	60 -150ppm	200	Use Sodium Bicarbonate to increase
TDS	1000	1000-1500ppm	1500	Use Pool Salt to increase – Dilute to decrease

Do not use Cyanuric Acid (Stabliser) as this will interfere with the oxidising capability of the Enviroswim system

3. Commission

Complete your warranty from at <https://www.enviroswim.com/warranty-registration/>

- Balance the water as per above. Ensure all Enviroswim switches are set to OFF and variable controls (Ioniser and ORP) at minimum (fully counter clockwise).
- Turn on the pool pump so that water is flowing through the filtration system, including the Enviroswim ionization/oxidation wet cell housing and ultrasonic emitter pipe. Make sure that the ionization/oxidation wet cell housing is filled with water. Set the left-hand switch on the Enviroswim unit to MANUAL.
- Turn on the right hand ON/OFF switch on the control box.
- Turn the knob on the control box under the ORP meter slowly clockwise until the ORP meter reads between 13 - 15 Amps.
- Turn the ioniser switch to maximum. Run the unit for approximately 1 hour per 1,000 litres of water and test copper level.
- Perform chemical tests to determine readings for pH, ORP, alkalinity, copper, and calcium hardness then adjust accordingly. Refer to User Manual for appropriate treatments.
- Test the copper level - copper level can only be checked when pH is in the correct range. When the copper levels are within the range of 0.2-0.4 ppm, set the timeclock for the appropriate run time (1 hour per 10,000 litres) and adjust the Ioniser output to around 40%.
- Start-up is now complete. Refer to the User Manual for a guide on run times. Remember every pool is different. Factors that will impact runtime are location, bather load, season, type of cover and water temperature.



When can I use the pool?

When all the water levels are balanced correctly, as per the above table.

Balance Water

1. Plan

2. Install

3. Commission

What's in the Box?

- 1 x Enviroswim Control Unit
- 1 x Complete Wet cell housing
 - 1 x Oxidiser Plate
 - 1 x Copper/silver Electrodes
- 1 x Ultrasonic Chamber
- 1 x Power Cable
- 4 x 40/50mm reducing bushes
- 1 x Installation Guide
- 1 x User Manual
- 1 x Copper test kit



1. Plan

- Plan layout of components
 - Check component dimensions.
 - Confirm sequence of components in water flow.
 - Check cable lengths for control box location.
 - Power Supply
- Confirm additional materials required
 - Pipe fittings and Pipe adhesive
 - Cable ties
 - Mounting Screws
- Tools
 - Pipe Saw
 - Drill and Bits
 - Screwdriver

Review instructions next page

IMPORTANT SAFETY INSTRUCTIONS

ATTENTION INSTALLER

This installation guide contains important information about the installation of this product. For complete instructions on operation and safe use of this product refer to Enviroswim ES-3 User Manual.

WARNING - READ AND FOLLOW ALL INSTRUCTIONS. IMPORTANT SAFETY INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

WARNING - To reduce the risk of injury, do not permit children to use this product.

WARNING - When mixing acid with water, ALWAYS ADD ACID TO WATER, NEVER ADD WATER TO ACID.

WARNING - There are no serviceable parts in the control box. Return to Enviroswim for service.

WARNING - Do not operate electrolytic cell without proper flow or water circulation. A build-up of gases can occur and cause hazardous conditions.

CAUTION - Use of chemicals other than those recommended may be hazardous. Follow the Chemical Manufacturer's Instructions.

CAUTION - This unit is for use with permanently installed pools. Do not use with storable pools. A permanently installed pool is constructed in or on the ground or in a building such that it cannot be readily disassembled for storage. A storable pool is constructed so that it is capable of being readily disassembled for storage and reassembled to its original integrity.

CAUTION - Some modern variable speed pumps have settings that produce inadequate water flow to either fill the ES-3 wet cell or create sufficient flow to affect the ES-3 processes. Ensure the wet cell housing has adequate flow of water and is full of water while the Enviroswim is operating.

READ ALL THESE INSTRUCTIONS

For advice phone 07 5655 6150 or email : info@enviroswim.com

2. Install

Ultrasonic Chamber
1.8 Metre Lead



290mm

For 50mm pool pipe, reducers for 40 mm included.

Ultrasonic Chamber may be installed anywhere within the filtration pipework, with any orientation.

WARNING :
Ensure cell is mounted oriented as shown. Horizontal with water flow from underneath. Other orientations may disable water level sensor. Water Inflow should always be at oxidiser end.

Oxidiser Plates
1.8 Metre Lead



140mm

360mm

Recommended Maintenance Access

250mm

Recommended Maintenance Access

150mm

Copper/silver Electrodes
1.8 Metre Lead

135mm

WARNING : Do not use primer on acrylic cell.

Actual Size Drilling Template

Recommended sequence guide

Mains Power Supply:
240V/50Hz 10Amp
earthed power supply



Under side

380mm

10 amp
Power
socket



Electronic Control Unit

465mm

Rear side mountings 380mm center to center

(170mm deep)

165mm

Filter
Media or
Cartridge
(No Zeolite)

Ultra Sonic
Chamber
Can be installed
anywhere or Horizontal
or vertical

Ultra Sonic

Oxidiser

Ioniser

Wet Cell

Heater - Optional

Acid Doser (optional)



From Skimmer Box

Return
to pool