

## WATER CHEMISTRY

The pool water needs to be **checked and balanced at least every four weeks** to maintain a safe and healthy pool. See below:

Salt Level Required:	2700 - 3400 ppm
Free Chlorine:	1 - 3 ppm
pH:	7.2 - 7.8
Cyanuric Acid:	20 - 30 ppm
Total Alkalinity:	80 - 120 ppm
Calcium Hardness:	200 - 400 ppm
Phosphate:	0.20 ppm (MAX)

## ORP AND pH PROBES

Both of these probes need to be **cleaned and calibrated every six months** in order to maintain efficiency.

## ACID PUMP

The acid pump needs the squeeze tube **checked and lubricated every six months**. The acid feed tube needs to be **replaced every twelve months**.

## TURBO CELL

The turbo cell should be **checked every twelve months** for scale build up or damage.

## FLOW SWITCH

It is recommended that this be **checked every twelve months**.

# BASIC AQUARITE+ TROUBLESHOOTING

Orp / REDOX Low Chlorine <i>LOW Fault error</i>	Check water flow.
	Check water balance.
	Check cell orientation is correct if vertical water must enter from the bottom.
	Check the salt level; if too low or high it will shut down chlorine production. (ideal levels between 2700 and 3400PPM)
	Water temperature below 15 deg will not produce due to poor conductivity.
	Check chlorine production of the cell, if low shut off the system, release pressure and check for build up in the cell and clean if required. Replace cell if aged.
	Clean and calibrate the probe.
	Swap chip.
	May need to replace the probe.
High Chlorine	Check water balance.
	Check generation level in the electrolysis menu, reduce by 2g/Hr per day until the desired level is reached.
	Clean and calibrate probe.
	Swap chip.
	May need to replace the probe.
pH High pH	AL3 Alarm may need to increase alarm time to allow more time to maintain pH level in the pool.
	Reading is different from a water test. Check chip, check acid pump connection.
	Is the acid pump turning? Check fuse on PCB above pH. terminal.
	Clean and calibrate probe.
	May need to replace the probe.
	Increase dosing pump feed rate.
	May need to replace the acid pump.
Low pH	Reduce acid pump dosing rate (puts less acid into the pool)
	Clean and calibrate probe.
	Swap chip.
	May need to replace the probe.
Flow	Clean filter/backwash.
	Check if the flow switch is installed correctly. The Flow switch needs 30cm of pipe running into it, if this cannot be achieved try rotating the flow switch to a 45 deg angle.
	Check wiring for the flow switch it should be installed in the +12 and Flow terminals (B and C)
Blank Screen	Screen blank= no power. Check the fuse on the bottom of the unit.
	Check wired connection to PCB.
	Try with a spare screen if available.
	Replace unit.
	Screen black has power check wired connection.
Replace screen.	
Unit not powering up	Check the fuse at the bottom of the unit.
	Replace unit.
Pump not powered	If the pump doesn't power up check the setting to see if a VS pump was set up this will disengage pump socket.
	Check the Pump on separate Power Supply, if no power troubleshoot the Pump.
	Check the internal circuit breaker.
	If still not working, replace the unit.
Probe Maintenance	Cleaning the probes
	Turn off the power and disconnect probe, use a soft toothbrush and regular toothpaste to clean and then rinse with fresh water.
	<b>PROBES MUST NOT BE ALLOWED TO DRY OUT THEY MUST BE WET AT ALL TIMES OR WARRANTY WILL BE VOID.</b>