



Oasis Vantage Salt & Mineral

Chlorinator

INSTALLATION AND OPERATION MANUAL

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1. IMPORTANT WARNINGS & SAFETY INSTRUCTIONS

1.1 Important Warnings



This manual contains valuable information about this product's installation, operation, and safe use. It should be given to the equipment's owner and/or operator. Basic safety precautions should always be followed when installing and using this electrical equipment. Failure to follow safety warnings and instructions in this manual can result in severe injury and/or damage to your equipment. Read and follow all warning notices and instructions included in this manual.

The power supply internally contains live components, which can cause electric shock if opened. If the power cord is damaged, it should be replaced by the manufacturer, their agent, or a similar party.

1.2 Important Safety Instructions



To reduce the risk of injury, **DO NOT** permit young children to use this product unless they have been trained by the person responsible for their safety and they acknowledge their ability to use such equipment. To reduce the risk of accidents or incidents, service on the unit should only be performed by your local pool professional.

1.3 General Warnings



The unit **must** be correctly installed in accordance with section 4.1 before startup. **Failure to correctly mount the power pack in the vertical position will result in water ingress, voiding the manufacturer's warranty.**



Failure to maintain the correct salt levels may result in damage to the salt cell or power pack.



When diluting acid, **ALWAYS ADD ACID TO WATER. NEVER ADD WATER TO ACID.**



Do not plug the unit in if carton has been wet.



Gas build up can occur with improper setup. To reduce the risk of personal injury the power pack is designed so that the electrolytic cell will only receive power when the pool pump is on. Otherwise, dangerous chlorine gas build-up can occur. If the pump is not installed to the AC socket (pump outlet) on the power pack, then the installer must ensure that the electrolytic cell is never energised when the pool pump is off, or when water is not flowing through the unit.

2. GENERAL OVERVIEW



Congratulations on the purchase of your Oasis Vantage Salt & Mineral Chlorinator. Please take a moment to read through the entire manual. Your chlorinator must be installed and operated as specified in this manual.

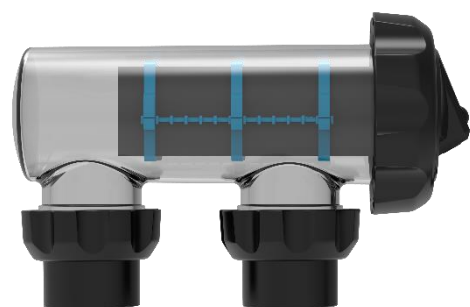
While every effort has been made to ensure that the information contained in this guide is accurate and complete, no liability can be accepted for any errors or omissions. **OASIS AQUATICS Pty Ltd** reserves the right to change the specification of the hardware and software described herein at any time without prior notice.

Please remember that your Oasis Vantage Salt & Mineral Chlorinator is not designed to chemically maintain your pool water and keep it balanced, but rather to produce chlorine from a mild salt solution within the water. We encourage regular water testing, balancing and correction if and when required to maintain the recommended balanced levels of your pool water. This is a vital part of a complete maintenance program and will ensure trouble free performance as well as a healthy and sparkling clean pool.

There is one design, comprising three different size models in our range: VA15, VA25 and VA35.

The models available are all reverse polarity units designed to automatically change direction every 4-16hrs (depending on your setting – see section 8.4 Auto Cell Cleaning to change the reversing times). This change of polarity causes the calcium to dislodge and keep the cell plates clean. Please note that occasional cleaning of the electrode plates may still be necessary, especially in pools with high calcium levels.

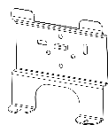
Thank you again for choosing an Oasis Vantage Salt & Mineral Chlorinator. We wish you many happy years of swimming in your crystal-clear pool.



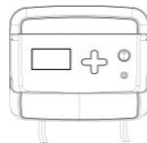
2.1 Recommendations and Helpful Hints

- Read and keep these instructions in a safe place.
- Increase chlorine production when temperature goes up.
- Use stabiliser to help retain chlorine in the pool.
- Maintain your salt levels between 3500-4000ppm for optimum performance (3500ppm ideal).
- Decrease production in cooler months when water temperature decreases.

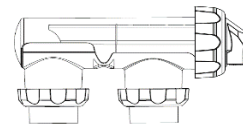
2.2 Package Contents



Wall mounting bracket
with level



Power pack



Cell housing with unions



50mm – 40mm
reducing bushes



2x green wall plugs with
screws



Installation & operation
manual

2.3 Tools Required



Drill with 6mm bit



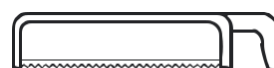
Basic PVC fittings



PVC primer & glue



No.2 Phillips screwdriver



Hacksaw

3. POOL PREPARATION

PLEASE READ THE FOLLOWING BEFORE OPERATING YOUR CHLORINATOR:

Check your salt or mineral level in your pool before starting your unit. **See section 7.4 to perform a salt test.**

Salt and mineral levels should ideally be 3500-4000ppm for optimum performance (3500ppm ideal), when measured using the onboard TDS test. For some minerals, you may require up to 30% additional product to achieve the desired onboard TDS reading, which is based on the conductivity of the water. Contact your local pool professional for further assistance.



Salt levels above 5000ppm may overload the unit and cause excessive heat and void your warranty. High salt levels will also increase the power consumption of the chlorinator, due to excessive current flow within the salt cell.

For all new pool installations please seek advice from your pool builder or your local pool professional before adding salt, as some new surfaces request no salt to be added when initially completed. If you need to run your filter for a period of time without salt, ensure to set the chlorinator output setting to 0% to prevent damage occurring to the cell.



Never add salt or minerals directly to the skimmer box. This high concentration of salt may cause damage as it passes through your filter, pump and other pool equipment.

HANDY TIPS

In colder water you will see reduced chlorine output, but this does not mean you need more salt. There will always be less chlorine demand in colder water.

We recommend 3.5kg of ultrafine salt per 1000 litres of pool water and a 50,000lt new pool needs approximately 175kg.

The unit can operate on mineral/magnesium chloride salts; however, you may require an additional 20-30% product in order to obtain the desired TDS reading via the onboard salt test (see section 7.4).

Salt should always be added to the shallow end of the pool and allowed to dissolve. **Do not** let the salt settle on the floor of the pool as it may cause damage to the surface. Use your pool brush to mix the salt into the water.

Running the pump will mix the water and help the salt to dissolve.

Operate only the pump in the first 8 – 12 hours to allow the salt to dissolve thoroughly. This can be achieved by setting the cell output to 0%, by running the filter pump directly from a GPO, or by setting Pump Single Run mode – See section 7.2.

Check your salt levels regularly. The chlorinator does not consume salt, however the salt level in your pool will reduce over time due to evaporation, dilution, and discharge to waste (e.g. when backwashing your filter).

If your chlorinator is plugged into an automation system and you want to set it to MANUAL ON (i.e. always ON when the chlorinator receives power), activate External Control mode (see section 8.5).

4. POWER PACK AND CELL INSTALLATION

4.1 Power Pack Installation



The Oasis Vantage Salt & Mineral Chlorinator has an Ingress Protection rating of IP34, enabling it to be installed outdoors. Regulations require that the power pack shall be installed outside the pool zone. The power pack shall be installed according with the AS/NZS 3000 wiring rules.

The power pack should be installed in a well-ventilated position ideally away from sunlight and rain to prolong life, and at least 1m above ground to help prevent water entry. **It must be installed vertically using the supplied mounting bracket.**

Ensure that the power pack is not stored near chemicals, fertilisers or in a closed unventilated shed with similar products as the fumes will cause excessive corrosion and damage to the internals of the power pack and may void warranty.

When mounting the power pack on a post, install a flat panel at least the same size as the power pack to act as a waterproof backing plate.

The power pack should be mounted no further than 1.5 metres from the chlorinator cell for ease of operation.



Failure to correctly mount the power pack in the vertical position will result in water ingress, voiding the manufacturer's warranty.

4.2 Cell Electrode Installation

Install the bare cell housing horizontally in the return line to the pool using high pressure PVC glue. Try to avoid using excessive glue which may discharge from the open end, causing damage to the cell seat and thread. **Do not use PVC primer on the unions.**

Direction of water flow through the cell housing is not critical, however we recommend entry from the closed end of the cell housing and exit from the end closest to the cell locking ring. This will result in less lateral water hammer over time and assist in extending the life of the cell plates.

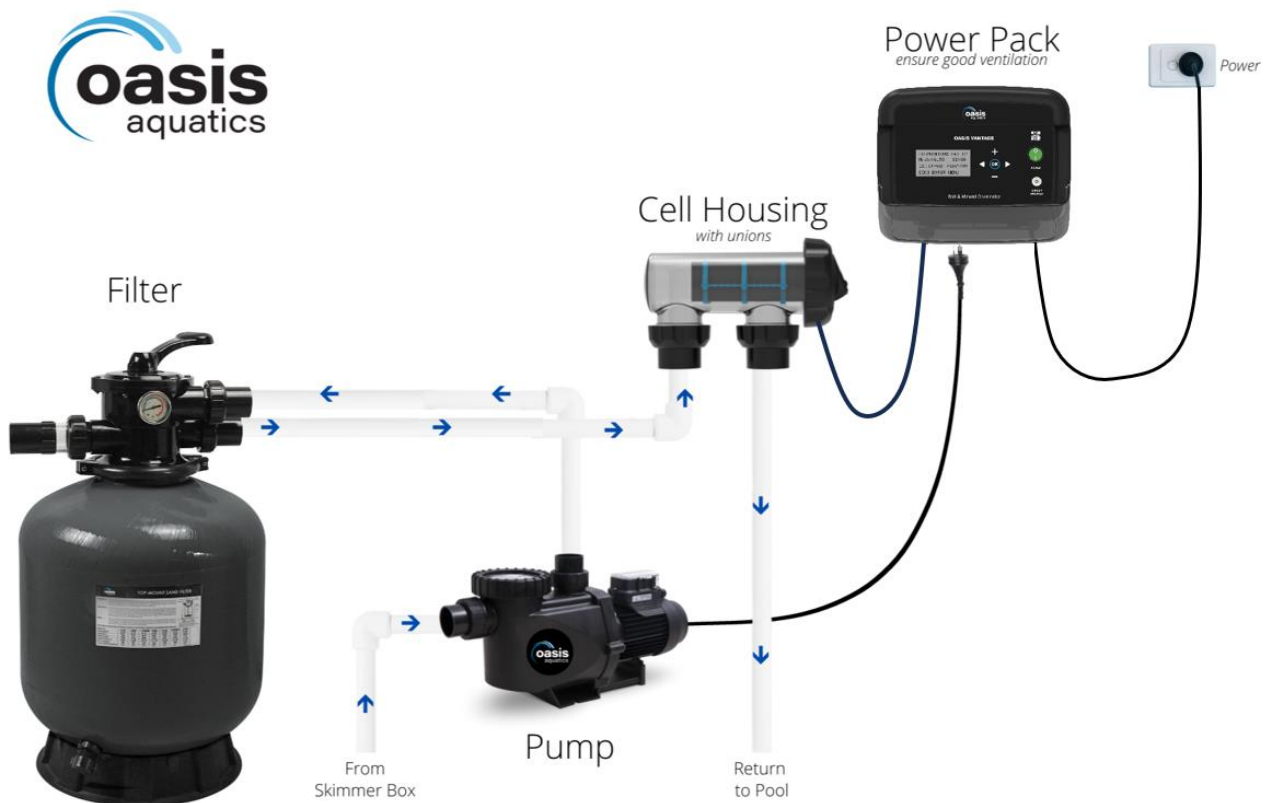
Check that the O-ring is clean and lubricated with silicone grease (**do not** use petroleum-based grease) and securely located in the cell housing.

Ensure cell locking ring is tightened by hand only (**do not** use a tool to tighten).

Connect the lead from the power pack to the cell cap, ensuring a firm fitment to prevent water entry.

Plug the power pack 3-pin plug into a suitable weatherproof RCD protected 10amp outlet and then plug the pump into the 3-pin AC socket located at the bottom of the power pack.

4.3 Installation Diagram



Important Installation Notes

- The pump rating must not exceed 8 amps.
- Water entry due to an upward spray (e.g. discharge from a cartridge filter bleed valve) or incorrect mounting will damage electrical components in the power pack.
- We **do not** recommend the use of valves on the inlet or outlet of the cell housing. If you do use a valve, then it is important to ensure that the valve cannot deadhead (lock closed) while the pump is running. It is the installers responsibility to ensure some form of flow control is installed in this instance, and that it disables the pump.
- **Always** ensure that pipe work and equipment **do not** allow gases generated from the cell to collect and build up in any part of the installation.
- It is **recommended** that the cell housing be installed horizontally to create a natural gas trap that acts as a safety device. Installation in any other way may cause explosion, injury or death if the installer does not allow for gas removal. A venturi pipe is installed/moulded within the cell housing design to eliminate any possible gas build up, although it is always recommended to ensure proper installation to eliminate this from happening.
- The cell housing must be installed in the **return** pipework to the pool. It must always be installed after the filter, gas heater, solar heating or heat pump.
- **Do not** apply priming fluid to the cell housing or unions, it is not needed and may react with the plastic.

4.4 Power Pack Operation

1. Power Switch

This switch position determines whether the power is turned ON or OFF when supplied from the AC socket.

O - Pressing the switch in at the “O” position turns the unit OFF.

I - pressing the switch in at the “I” position turns the Power ON.

2. Circuit Breaker

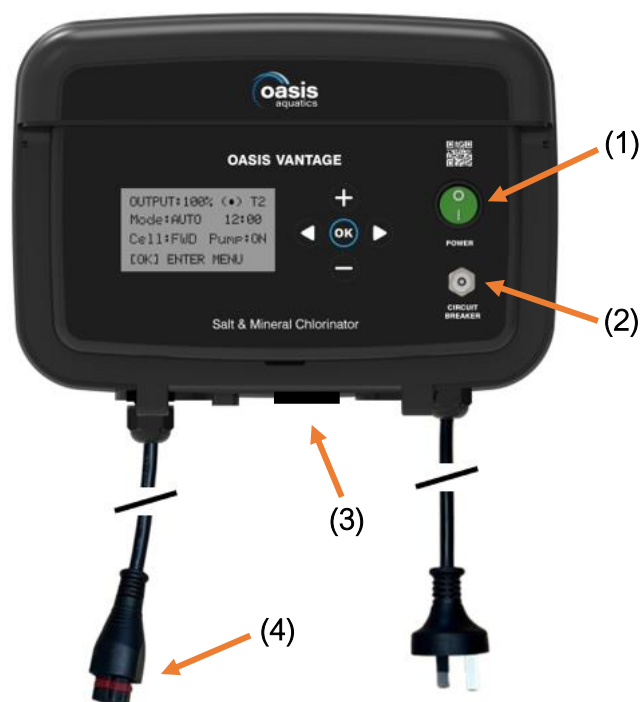
The circuit breaker only operates the cell circuit and not the pump circuit. A circuit breaker is an automatically operated electrical switch designed to protect an electrical circuit from damage caused by overcurrent, overload, or short circuit. It can be reset by pressing the button in after it has tripped. It may be damaged if you supply excessively high salt levels through the cell.

3. AC Socket (Pump Outlet)

The AC socket allows the pump to be electrically operated and controlled by the power pack.

4. Cell Lead

The proprietary cell lead comes complete with moulded gold plated/brass connectors and is connected to the cell via a watertight plug top.



5. INITIAL START UP OF YOUR UNIT

5.1 Initial Start Up

Plug the power pack 3-pin plug into a suitable weatherproof RCD-protected 10amp outlet and then plug the pump into the socket at the base of the chlorinator.

Ensure the cell is connected and the cell cable is inserted firmly into the connections on the cell cap.

Turn the 10-amp wall outlet supply switch to "ON".

Set the power switch on the front of the chlorinator to the ON [I] position.

On initial start-up of your Oasis Vantage Salt & Mineral Chlorinator the screen to the right will be displayed.

```
EMBEDDED SOFTWARE
<VER: CLxx.xx>
CHECKING SYSTEM
MODEL: 25g/hr
```

5.2 Start Up Clock Set

START UP SET CLOCK allows you to program the current time of the day.

Note that the clock is in 24-hour time

HH digits will flash, and pressing [+] will increase the time, and pressing [-] will decrease the time.

Pressing [OK] saves the selected hour HH.

MM digits will flash and pressing [+] will increase the time and pressing [-] will decrease the time.

Pressing [OK] saves the selected hour HH and MM. Pressing [<] returns you to the previous menu screen.

```
START UP SET CLOCK
ACTUAL TIME: HH:MM
[+] or [-] to change
[OK] SAVE
```

```
START UP SET CLOCK
ACTUAL TIME: HH:MM
[+] or [-] to change
[OK] SAVE [<] RETURN
```

5.3 Start Up Run Period

START UP RUN PERIOD allows you to program your daily run times.

2 CYCLES/DAY will flash and pressing [+] or [-] will change the selection.

FACTORY DEFAULT SETTINGS:

2 CYCLES/DAY - unit runs from 6am-10am and 4pm-8pm

1 CYCLE AM - unit runs from 8am - 4pm

1 CYCLE PM - unit runs from 8pm-4am

Pressing [OK] saves the selected period

Pressing [<] returns you to the previous menu screen.

```
START UP FILTER TIME
PERIOD: 2 CYCLES/DAY
[+] or [-] to change
[OK] SAVE [<] RETURN
```

5.4 Start Up Information

START UP INFORMATION allows you to customise the unit to your pool size.

Pressing [+] or [-] will change it in 1,000lt increments.

Holding the [+] or [-] in will change it in 5,000lt increments.

A reading of 40,000lt or similar flashes to show it can be changed.

Pressing [OK] confirms your selection. If you **DO NOT** know your pool size, you can press [OK] to continue and set this later or contact your local pool professional for further assistance. Pressing [<] returns you to the previous menu screen.

```
START UP INFORMATION
POOL SIZE: 40,000Ll
[ + ] or [ - ] to change
[ OK ] SAVE [ < ] RETURN
```

5.5 Default Display Screen

The default display screen is the 'home screen' of the chlorinator and displays the current unit status.

Pressing [+] or [-] will increase or decrease the desired chlorine output setting.

The (●) symbol appears when the unit is active during its timer cycle.

T2 is the default timer displaying "Dual Timer Cycle" and T1 displays "Single Timer Cycle" when single timer is selected.

You may also see P1 or P2 displayed where "Pump Run Only" timers are active, or HP displayed when a "Pump On" request is received from an Oasis heat pump (connected via the optional Heat Junction cable).

The Mode shows AUTO and this can be changed to ON, OFF or AUTO in the Power/Mode Menu (see section 8.1).

The time shows with HH:MM in 24hr clock format.

The cell status shows as FWD when the cell is in the forward direction and REV when in the reverse direction.

The pump AC socket status is displayed, either ON or OFF.

After a power failure you will be returned to the default display screen and the last saved mode will remain active.

```
OUTPUT: 100% (●) T1
MODE: AUTO HH:MM
Cell: FWD Pump: ON
[ OK ] ENTER MENU
```

Please note: To extend the life of the LCD display, the display will become dim after 10 minutes of inactivity. Any time you press the keypad, the LCD will become bright again, and automatically dim once activity has stopped after 10 minutes.

6. CONTROL PANEL OPERATION

6.1 Plus and Minus Buttons

Pressing [+] or [-] on the default display screen will increase or decrease the desired chlorine output setting.

```
CHLORINE OUTPUT
Setting: XXX%
[+] or [-] to change
[OK] SAVE [-] EXIT
```

6.1 OK Button

Menus are accessed by pressing the [OK] button.

Any inactivity in any display for longer than 60 seconds results in the display returning to the default display screen.

MAIN MENU allows you to enter all menus

Pressing [+] takes you to the last menu and using the [-] or [OK] enters the first three menus.

Pressing [-] returns you to the previous menu screen.

Pressing [+] or [-] scrolls up or down, and [OK] enters the flashing menu.

```
OUTPUT: 100% (●) T1
Mode: AUTO HH:MM
Cell: FWD Pump: ON
[OK] ENTER MENU
```

```
MAIN MENU
Simply use buttons
[+] or [-] to change
[OK] ENTER [-] EXIT
```

Below are the available menus in the Oasis Vantage Salt & Mineral Chlorinator (**See section 7.0 for the workings of all menus**).

- 1 Filter Times
- 2 Extra Pump Times
- 3 Chlor Output
- 4 Salt Test
- 5 Chlor Boost
- 6 Backwash
- 7 Service Menu

```
1 Filter Times
2 Extra Pump Times
3 Chlor Output
[+]UP[-]DN[OK] ENTER
```

```
5 Chlor Boost
6 Backwash
7 Service Menu
[+]UP[-]DN[OK] ENTER
```

7. MAIN MENU

7.1 Filter Times

Summer Settings



Ideally, run for 4 hours in the morning (6am-10am) and 4 hours in the evening (4pm-8pm). For a smaller pool you can run for fewer hours. In extreme weather it may be necessary to run longer hours. Contact your local pool professional for further assistance.

Winter Settings



In winter you should lower your running time as per your personal requirements.

Sunlight and higher bather load in summer dissipate more chlorine than in winter.

You must check your chlorine reading regularly and adjust your settings when required.

Entering the Filter Times menu from the Main Menu displays the screen to the right.

Pressing [+] then changes the timer to the Single Timer Cycle (T1).
Pressing [OK] accepts the selected cycle and enters the Timer Program.

HH:MM - DUAL CYCLE
[+] to change cycle
[OK] confirms cycle
[<] BACK

Pressing [+] changes back to Dual Timer Cycle (T2).
Pressing [OK] accepts the selected cycle and enters the Timer Program.

SETTING THE TIMER ON AND OFF TIMES

Use the [+], and [-] keys to increase or decrease the ON hour.
Press [OK] to accept the selected hour and move to the ON minutes.
Again use the [+] and [-] keys to adjust the minutes and follow the remaining prompts until all timers are set.

HH:MM - SINGLE CYCLE
[+] to change cycle
[OK] confirms cycle
[<] BACK

Pressing [<] returns you to the previous display.

TIMER 1: ON TIME
START TIME: HH:MM
[+] or [-] to change
[OK] SAVE [<] RETURN

↳ TIMER 1: ON TIME (HH)

↳ TIMER 1: ON TIME (MM)

↳ TIMER 1: OFF TIME (HH)

↳ TIMER 1: OFF TIME (MM)

TIMER 1: OFF TIME
STOP TIME: HH:MM
[+] or [-] to change
[OK] SAVE [<] RETURN

↳ TIMER 2: ON TIME (HH)*

↳ TIMER 2: ON TIME (MM)*

↳ TIMER 2: OFF TIME (HH)*

↳ TIMER 2: OFF TIME (MM)*

TIMER 2: OFF TIME
STOP TIME: HH:MM
[+] or [-] to change
[OK] SAVE [<] RETURN

* Only visible when Dual Timer Cycle is set.

7.2 Extra Pump Times

To access the Extra Pump Run Times, scroll through the Main Menu using the [+] or [-] buttons until you reach Extra Pump Times.

Press [OK] to enter the display on the right. This allows you to set a single pump run event [1. PUMP SINGLE RUN] or a permanent additional pump running time [2. PUMP ON TIMERS]. Use the [+] or [-] buttons to select the function required and press [OK] to enter or [<] to return to the previous menu.

```
Pump Run Time
1. PUMP SINGLE RUN
2. PUMP ON TIMERS
[+]UP[-]DN [OK]ENTER
```

Pump Single Run:

This setting circulates water in the pool without the producing any chlorine. Service technicians mostly use this when adding salt to the pool or if additional filter time is needed after a pool service.

```
PUMP SINGLE RUN
NOTE: Cell is not ON
during this time.
[OK] ENTER [<] RETURN
```

Follow the prompts and use the [+] or [-] to adjust the pump run time from 1 to 24 hours in one-hour increments. The default run time is 8 hours.

```
PUMP SINGLE RUN
Setting: 08:00:00hrs
[ + ] or [ - ] to change
[ OK ] START [<] RETURN
```

Once the time is set, press [OK] to start the pump. Pressing [<] allows you to exit and return to the service menu without saving any changes.

NOTE: The cell will be OFF during this time even if T1 and T2 times call for it to be ON.

```
PUMP RUN TIME LEFT
Time Left: 08:00:00hrs
[ + ] or [ - ] to change
[ OK ] STOP
```

The display will show the remaining pump run time in real-time. If the operator presses [OK] to stop this function, the display will return to the default display screen and the chlorinator will return to its previous operating mode.

Pump ON Timers:

This is typically used if you have a heat pump or energy-efficient pump and need to run the pump for longer hours than the cell.

```
PUMP ON TIMERS
This runs PUMP only
outside T1, T2 times
[ OK ] ENTER [<] RETURN
```

Follow the prompts and use the [+] or [-] to adjust P1/P2 ON and OFF times. Pressing [OK] on display [2. PUMP ON TIMERS] takes you to the display shown to the right.

```
PUMP P1: ON TIME
START TIME: HH:MM
[+] or [-] to change
[OK] SAVE [<] RETURN
```

NOTE: By default, the P1 and P2 ON & OFF times are 00:00. If the P1 or P2 times are set to 00:00, nothing happens. The Chlorinator ignores 00:00.

When these timers are set, the pump will run outside of T1 and T2 times, and the cell will be OFF during these additional pump hours. Overlapping P1/P2 and T1/T2 times means the pump will be ON for all times, and the cell will only be active during the T1/T2 times.

```
PUMP P1: OFF TIME
STOP TIME: HH:MM
[+] or [-] to change
[ OK ] SAVE [<] RETURN
```

Tip: If you are setting up additional pump hours to facilitate the use of an Oasis heat pump, consider installing a Heat Junction cable which will allow the heat pump to automatically override the filter pump at times when heating is required (available from Oasis dealers).

7.3 Chlor Output

Chlor Output allows you to adjust the chlorine output for your chlorinator. The factory setting is 100%.

You can adjust the output by pressing [+] or [-] anytime in the default display screen to increase or decrease the setting in 1% increments.

```
CHLORINE OUTPUT
Setting: XXX%
[+] or [-] to change
[OK] SAVE [-<] EXIT
```

Chlor Output is also accessed by pressing the [OK] button to enter the Main Menu and scrolling to Chlor Output.

7.4 Salt Test

The Salt Test menu function allows you to measure your swimming pool's salt or mineral level. A reading will appear on the screen; allow at least 30 seconds for the reading to stabilise.

Tip: Before performing a salt test, ensure the cell is clear of any calcium deposits, as this will insulate the electrodes and impact your readings. If manual cleaning is required, see section 10.1 - Inspecting and Cleaning the Cell Electrode.

```
SALT TEST MODE
SALT : OK

[ < ] to END
```

Enter the Main Menu by pressing [OK], then scroll to Salt Test and press [OK] again. A salt measurement is taken, and a range is displayed. An approximate TDS reading is indicated immediately after, and these measurements will alternatively scroll until the [<] button is pressed, and the display returns to the default display screen.

```
SALT TEST MODE
SALT : HIGH
Consult a Pool Shop
[ < ] to END
```

The ideal TDS reading should be "OK" and approximately 3500-4000 ppm.

If "HIGH" is displayed, the salt level is above 4500 ppm, and the salt level is too high, we suggest taking a sample to your local pool Professional for a more accurate result and further assistance.

```
SALT TEST MODE
SALT : LOW
Consult a Pool Shop
[ < ] to END
```

Similarly, if the display indicates "LOW," take a pool water sample with your pool professional for more accurate results and advice.

```
SALT TEST MODE
Approximate TDS
Level is:XXXXX ppm
[ < ] to END
```

The salt test measurement is meant to be a guide only, as many factors can impact the result. We recommend you take your pool water sample to your local pool professional before adding salt or minerals or replacing your cell.

NEVER add more salt if not required. NEVER add salt directly to the skimmer box.

7.5 Chlor Boost

Chlor Boost sets your chlorinator to operate for 8 hours and automatically sets the chlorine setting to 100%. This allows for an injection of extra sanitising time, also known as 'Chlorine Boost' or 'Super-Chlorinate'. If there is any fault during the chlor boost period, the bottom line will alternate between "CHLOR BOOST to END" and the relevant fault message.

Chlor Boost is entered by pressing the [OK] button in the Main Menu and scrolling to Chlor Boost.

The unit automatically defaults to 08:00 hours of ON time, and the timer starts counting down immediately.

```
CHLOR BOOST TIME
Setting: 08:00:00hrs
[ + ] or [ - ] to change
[ < ] to END
```

The first two digits 08 will flash while adjusting them, as shown to the right. Pressing [+] or [-] increases or decreases in increments of 01:00 hour whilst running.

When completed, the unit will return to the default display screen in the last selected mode state.

You can exit the Chlor Boost function at any time by pressing [<] and the unit will return to the default display screen in the last selected mode state.

7.6 Backwash

If you have a sand or media filter, the backwash feature overrides your filter pump and provides a convenient step-by-step process to conduct backwashing of your filter. The steps below are generic, and you should always refer to the equipment manufacturer's instructions for precise information.

Backwash is entered by pressing the [OK] button in the Main Menu and scrolling to Backwash. Entering the backwash menu assists you in operating your pump and filter during the backwash process.

```
BACKWASH MODE
Set MPValve to Back-
Wash and press
[ OK ] NEXT [ < ] EXIT
```



IMPORTANT INFORMATION BEFORE PERFORMING A BACKWASH

Never operate the filter lever while the pump is running. You may damage the seal and leaks may occur. Ensure that all valves, lids, baskets, etc. are in their correct positions.



If you have a variable speed filter pump, we recommend manually backwashing the filter using the onboard start and stop buttons on the pump itself. In backwash mode, the chlorinator activates the pump power socket at short intervals, which may result in some pumps displaying error codes due to repeat power interruptions.

Set the multiport valve to the backwash position and ensure that the handle locks in place. Press [OK] to commence the backwash. The pump will start and a 2-minute countdown will commence.

```
BACKWASH MODE
[ + ] Add 1min to TIME
[ - ] Stop Pump[OK]NEXT
TIME LEFT: 02:00 min
```

If you wish to increase the backwash time, use the [+] button. To stop the pump, press the [-] button. If you wish to restart the pump once stopped, press [+] button.

```
BACKWASH MODE
[ + ] Add 1min to TIME
[ - ] Stop Pump[OK]NEXT
TIME LEFT: 02:00 min
```

Once the dirty water in the filter waste pipe or sight glass is running clear, press [OK] to continue.

```
RINSE MODE
Set MPValve to Rinse
position and press
[OK] NEXT [<] EXIT
```

'RINSE MODE' will now be displayed. Set the multiport valve to the rinse position and ensure that the handle locks in place. Press [OK] to commence the rinse. The pump will start and a 2-minute countdown will commence.

```
RINSE MODE
[ + ] Add 1min to TIME
[ - ] Stop Pump[OK]NEXT
TIME LEFT: 1:00 MIN
```

Once the dirty water in the filter waste pipe or sight glass is running clear, press [OK] to continue.

```
BACKWASH COMPLETED
Set MPValve to Filter
position and press
[ OK ] NEXT [<] EXIT
```

'BACKWASH COMPLETE' will now be displayed. Set the multiport valve to the filter position and ensure that the handle locks in place. Press [OK] to complete the backwash.

```
BACKWASH COMPLETED
Final check on all
valves/lid positions
[ < ] to EXIT
```

Recheck all valves and press [<] to return to the default display screen.

8. SERVICE MENU

The service menu allows you to undertake several operations, including adjusting mode settings, setting the clock, pump protection, cell cleaning, external controller, display settings, pH dosing settings and other service functions.

Pressing [OK] from the default display screen enters the Main Menu.

```
MAIN MENU
Simply use buttons
[+] or [-] to change
[OK] ENTER [<] EXIT
```

Pressing [+] takes you to the last menus, press [OK] on Service Menu to enter the service sub-menus.

Pressing [+] or [-] scrolls up or down, and [OK] enters the flashing menu.

```
5 Chlor Boost
6 Backwash
7 Service Menu
[+]UP[-]DN[OK] ENTER
```

Pressing [<] returns you to the Main Menu.

8.1 Mode Setting

Pressing [OK] on Mode Setting enters the display shown to the right, and then pushing the [+] or [-] allows you to adjust the mode setting from AUTO to OFF and to ON.

```
MAIN MENU
Simply use buttons
[+] or [-] to change
[OK] ENTER [<] EXIT
```

Pressing [OK] saves the required mode and returns to the previous screen. Pressing [<] returns you to the Main Menu screen.

The default setting is in AUTO, which provides automatic operation during the programmed timer periods.

```
5 Chlor Boost
6 Backwash
7 Service Menu
[+]UP[-]DN[OK] ENTER
```

Setting the mode to OFF will disable the pump and cell.

This manual override will remain in place until another mode is selected.

```
MODE SETTING
Setting: AUTO
[+] or [-] to change
[OK] SAVE [<] EXIT
```

Setting the mode to ON will temporarily enable the pump and cell.

This manual override will remain in place until the next programmed timer cycle, or when another mode is selected (whichever occurs first).

Tip: If your chlorinator is plugged into an automation system and you want to set it to MANUAL ON (i.e. always ON when the chlorinator receives power), you can activate External Control Mode - See section 8.5 for further information.

8.2 Clock Setting

Your chlorinator comes with a built-in digital timer.

The Clock Setting displays are all shown in 24-hour format.

CLOCK SETTING
ACTUAL TIME : HH:MM
[+] or [-] to change
[OK] SAVE [-] BACK

Clock Setting is entered by pressing the [OK] button in the Main Menu, scrolling to Service Menu, and then selecting Clock Setting.



It is important to understand the difference between CLOCK SETTING and FILTER TIMES; Clock means the current time of the day (e.g. 08:00), and filter times means the times at which the unit is programmed to turn the filter pump and cell ON and OFF.

Clock Setting allows you to program the exact time of the day.

HH digits flash and pressing [+] increases the time, and [-] decreases the time.

Pressing [OK] accepts the selected hour HH.

Pressing [-] exits you to the Main Menu screen.

CLOCK SETTING
ACTUAL TIME : HH:MM
[+] or [-] to change
[OK] SAVE [-] BACK

MM digits flash and pressing [+] increases the time, and [-] decreases the time. Pressing [OK] accepts the selected minute MM.

Pressing [-] returns you to the previous display.

Tip: Make sure to set the clock in 24-hour time (e.g. 2:00pm should be entered as 14:00).

8.3 Pump Protect

Pump Protect is designed to protect your pump if there is no flow of water. This means the time the pump is allowed to run after the water sensor on the cell detects there is no flow of water. The pump will be turned off from 3 to 10 minutes after detecting no water flow.

Pump Setting is entered by pressing the [OK] button in the Main Menu and scrolling to the Service Menu and entering Pump Protect.

PUMP PROTECTION
Setting: XXX minutes
[+] or [-] to change
[OK] SAVE [-] BACK

The default setting is 3 minutes and pressing [+] or [-] allows you to adjust when the pump is turned off. Pressing [OK] saves the required protection time.

8.4 Auto Cell Cleaning

Innovative self-cleaning technology allows the polarity of the OXI cell plates to change direction every 4-16 hours (depending on your setting). The polarity change causes the calcium to dislodge, keeping the OXI plates clean. Please note that occasional cleaning of the plates may still be necessary.

CELL CLEANING TIME
Setting: XX hours
[+] or [-] to change
[OK] SAVE [-] BACK

Cell Cleaning is entered by pressing the [OK] button in the Main Menu and scrolling to the Service menu and then entering Auto Cell Cleaning.

The factory setting is every 7 hours, and this can be adjusted from as low as 4 hours (for high calcium areas) to as high as 16 hours.

In areas where the calcium hardness of the water is low (less than 200ppm) cleaning of the cell may not be necessary.

Where calcium levels exceed 200ppm, regular inspection of the cell is necessary to maintain correct operation and maximise the life of the cell. Clean the cell as required using a purpose-designed acid solution (available from all reputable pool shops).

CELL CLEANING TIME
Setting: XX hours
[+] or [-] to change
[OK] SAVE [<] BACK

Tip: Reducing the cell reversing time will reduce the expected lifetime of the cell, due to a plate surface reaction which occurs each time the electrical current changes direction. We recommend only reducing the reversing time in high calcium areas where the requirement for manual cleaning becomes too frequent to manage effectively.

8.5 External Control

If you need to set the Chlorinator to remain ON all the time, such as when using an external controller, you can do so in this menu setting.

You can access this function by pressing the [OK] button to enter the Main Menu and scrolling to Service Menu and pressing [OK].

EXTERNAL CONTROLLER
Setting: OFF
[+] or [-] to change
[OK]SAVE [<] to EXIT

Scroll through the Service Menu using the [+] or [-] buttons until you reach External Controller, then press [OK] to enter the display on the right.

The default setting is OFF. Pressing [+] or [-] allows you to adjust the setting from OFF to ON. Pressing [OK] saves the required setting.

OUTPUT: 100% (●) EX
Mode: ON HH:MM
Cell: FWD Pump: ON
[OK] ENTER MENU

The default display screen will indicate 'EX' when the external controller function is ON, and all onboard timers are overridden. The unit will operate as a slave and default to ON whenever it is connected to power.

Tip: Make sure to activate External Control when using your Oasis Vantage Salt & Mineral Chlorinator in conjunction with an Oasis Smart Pool Automation System.

8.6 Brightness

Brightness is entered by pressing the [OK] button in the Main Menu and scrolling to Service Menu and entering by pressing [OK], then selecting Brightness.

BRIGHTNESS MODE
Setting: 60%
[+] or [-] to change
[OK] SAVE [<] EXIT

Pressing [+] or [-] allows you to adjust the brightness. Pressing [OK] saves the selection. The factory setting is 60%.

8.7 pH Control (Acid Dosing)

The default setting on your chlorinator is for pH Control (acid dosing) to be turned OFF. pH Control Mode must be turned on to operate the optional Oasis pH Logix expansion unit (when equipped).

pH Control Mode is entered by pressing the [OK] button on the Main Menu and scrolling to the Service Menu, then entering pH in the service menu.

Pressing [+] or [-] allows you to adjust the pH mode settings from OFF to ON and vice versa. Press [OK] to save the selection.

pH1 Run Time is programmed automatically when setting up the swimming pool's volume in the chlorinator. The chlorinator calculates the minutes per day your pH controller should run based on the pool's volume, and this can be manually changed.

To adjust the pH Run Time, enter the Main Menu by pressing the [OK] button, scroll to Service Menu, then scroll to pH, and select pH1 Run Time.

The LCD will now show 'On Time: ---- min/day'.

Press [+] or [-] to adjust the ON Time in min/day.

Pressing [<] returns to the previous pH Control Mode menu.

Pressing [OK] saves the required run time and returns you to the Main Menu.

Saving this Run Time will result in saving the time as the new daily default running time of the unit.

```
pH CONTROL MODE
pH Mode: OFF
[+] or [-] to change
[OK] SAVE [<] BACK
```

```
pH CONTROL MODE
pH1 Run Time
pH2 Demand or Prime
[+]UP[-]DN [<] BACK
```

```
pH1 RUN TIME
ON TIME: 20 min/day
[+] or [-] to change
[OK] SAVE [<] BACK
```



Some states use undiluted acid to feed the pH controller (there is no container with a 1:3 acid-to-water water mix). In this case the operator needs to manually change the run time in menu 'ph1 run time' from the displayed result to an approximate one quarter of this reading.

For example: if 15min/day is displayed and undiluted acid is to be used, change the setting to 4min/day by following the instructions above.

If you are using a low-fuming type of acid, such as 32% sulphuric acid, then you may need to double the run time as its ability to lower the pH is less than that of hydrochloric acid. Once again, you need to test your water weekly until you reach the optimum setting for your chlorinator.

The 'pH2 DEMAND or PRIME' quantity can be manually adjusted from 0 - 5000 ml. The default reading is always 100 ml. This function is useful for Priming tubes after an acid drum change or adding the required acid from your acid demand test.

```
pH2 DEMAND OR PRIME
Acid Demand: 100ml
[+] or [-] to change
[OK] SAVE [<] BACK
```



IMPORTANT: Enter the exact amount from your test result in ml (e.g., 500 ml), and the Chlorinator automatically adds four times that amount, thereby allowing for the 1:3 ACID: WATER mix ratio in the acid

To select the 'pH Demand or Prime' function, enter the Main Menu by pressing the [OK] button and scrolling to Service Menu and then scrolling to 'pH', then select 'pH2 Demand or Prime'. Press [+] or [-] to adjust the quantity of acid required in millilitres (ml).

```
pH2 DEMAND OR PRIME
Acid Demand: 100ml
[+] or [-] to change
[OK] SAVE [<] BACK
```

Pressing [OK] saves the required quantity, the peristaltic pump starts turning, and a time-based 'min' reading starts counting down. You can lower the time by pressing the [-] menu if you wish.

Pressing [<] returns to the previous pH Control Mode menu.

```
pH2 DOSE TIME LEFT
Time Left: 24 min
[+] or [-] to change
[OK] SAVE [<] BACK
```

Pressing [OK] saves the required run time and returns you to the Main Menu.

If the lines are primed, you can stop the peristaltic pump by pressing [-] while in the 'pH2 DOSE TIME LEFT' menu to lower the 'Time Left:' to 0 min.

NOTE: When using undiluted acid to feed the pH controller (i.e., there is no container with a 1:3 mix), the operator needs to manually change the dose time in Menu 'pH1 DOSE TIME LEFT' from the displayed result to about ¼ of this reading (i.e., if 48 min is displayed, then change this to 12 min by following the instruction above).

To turn OFF the acid dosing, press the [OK] button on the Main Menu and scroll to Service menu and then scroll to pH. Press [OK] on 'pH Control Mode'. Then use the [+] or [-] button to change the selection from ON to OFF and press [OK] to save.

```
pH CONTROL MODE
pH Mode: ON
[+] or [-] to change
[OK] SAVE [<] EXIT
```

NOTE: The pH software includes a feature that adjusts the pH run time based on the chlorinator output setting. For instance, for a 50K pool, the pH run time is set to 20 minutes. In SPA mode, at 10% output, runtime is reduced to 2 minutes. If your chlorinator output is 75%, the runtime will be 15 minutes. However, if you adjust the runtime, this will become the new default runtime, and the unit will not change the output by itself.

8.8 Contrast

Contrast can be adjusted by pressing the [OK] button in the Main Menu, scrolling to the Service Menu, and selecting Contrast.

The contrast can be set from 20% to 100%. The default setting is 50%.

Pressing [+] or [-] allows you to make the contrast adjustment, and pressing [OK] saves the required contrast and returns to the default display screen.

```
CONTRAST MODE
Setting: 50%
[+] or [-] to change
[OK] SAVE [<] EXIT
```

8.9 Spa Mode

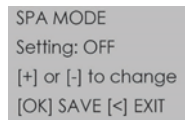
Spa Mode allows your chlorine output to be lowered when just filtering your spa and can be activated by pressing the [OK] button in the Main Menu, scrolling to the Service Menu, pressing [OK], and then selecting Spa Mode.

Pressing [+] or [-] allows you to adjust the Spa Mode settings from OFF to ON and vice versa.

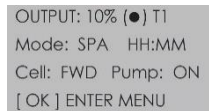
Selecting the OFF setting leaves the chlorine output setting at 100%, while selecting ON changes it to 10%. Chlorine output can be adjusted to between 0 to 20% when Spa Mode is activated.

When SPA Mode is selected, the default display screen will change, as shown to the right.

Pressing [OK] saves the required settings and returns to the default display screen.



```
SPA MODE
Setting: OFF
[+] or [-] to change
[OK] SAVE [<] EXIT
```



```
OUTPUT: 10% (●) T1
Mode: SPA HH:MM
Cell: FWD Pump: ON
[OK] ENTER MENU
```

8.10 Chlorinator HW & SW

This menu provides information about the Oasis Vantage Salt & Mineral Chlorinator' hardware and software settings. For further information, contact your pool service professional or Oasis Technical Support.

9. WATER CHEMISTRY

The Oasis Vantage Salt & Mineral Chlorinator unit is designed for use with swimming pool water balanced in accordance with the Langelier Saturation Index with a pH range of 6.8-7.8.



For best performance and operation of your Oasis Vantage Salt & Mineral Chlorinator unit, certain water balances must be maintained within your swimming pool. Have your water tested regularly. Transport the test water in an opaque container and have the test done as soon as possible as possible for best results.

THE MOST IMPORTANT NOTICE AND WARNING



Only add chemicals using the methods and quantities as indicated on the packaging provided, or as advised by your local pool professional. If in doubt of any test results you achieve, do not hesitate to consult with your local pool professional for their immediate advice.

9.1 Chlorine

Measurement Interval: Once a week

Ideal Chlorine (Free Chlorine) Levels: 2-3ppm (2-3mg/L) and no more than 4ppm (4mg/L). Adjust the chlorine output by pressing [+] in the default display screen to increase the required output set point in 1% increments up to 100%. Pressing [-] will decrease the output in 1% increments to 0%. Running the unit for longer or shorter hours can achieve the same result.

9.2 Salt

Measurement Interval: Every 4-6 weeks

Ideal Salt Levels:

- 3500-4000ppm (3500ppm ideal) and no more than 4500ppm.

Although salt is not consumed by the chlorinator, it is lost with evaporation and during backwashing, pool overflow, splashing and on bathers that use it. The correct salt level allows for the most efficient production levels and electricity consumption. We recommend the use of ultrafine or premium pool salt.



The salt level **SHOULD NOT** go below 3000ppm. Operating the unit with too little salt in the pool will damage the cell and void the product warranty.



The salt level **SHOULD NOT** go above 4500ppm. Operating the unit with too much salt in the pool will overload the power pack and cause excessive heat due to high current flow.

Tip: In colder water your Oasis Vantage Salt & Mineral Chlorinator will provide reduced output and will not reach 100%, but this does not mean you need more salt as there will always be less chlorine demand in colder water. Your output may drop by 2-3% for every 1°C below 28°C.

We recommend 3.5kg of salt per 1000 litres of pool water and a 50,000lt new pool will need approximately 175kg of salt.

The unit is compatible with mineral/magnesium chloride salts. For some minerals, you may require up to 30% additional product to achieve the desired onboard TDS reading of 3500ppm which is based on the conductivity of the water (see section 7.4 – Salt Test). Contact your local pool professional for further assistance.

Salt should always be added to the shallow end of the pool and allowed to dissolve. **DO NOT** let the salt settle on the floor of the pool as this may cause damage to the surface. Use your pool brush to mix the salt into the water. Running the pump will mix the water and help the salt to dissolve.



Never add salt/minerals directly to the skimmer box. This high concentration of salt may cause damage as it passes through your filter, pump and other pool equipment.

9.3 pH

Measurement Interval: Once a week

Ideal pH Levels:

Concrete Pools: 7.4 - 7.6

Fibreglass/Vinyl Pools: 7.0 - 7.2

A pH of 8.0 makes oxidisation only about 26% effective which is why it is critical to keep your pH in range.

A correct pH level must be maintained to prevent problems such as black spot, staining, cloudy water, etc.

An incorrect pH level can damage the surface finish and wall of your pool.

When pH is high you can add Hydrochloric Acid to lower the pH.

When pH is low you can add pH Increaser - sodium bicarbonate (soda ash) to increase the pH.

9.4 Total Alkalinity

Measurement Interval: Every 4-6 weeks

Ideal Total Alkalinity Levels:

Concrete Pools: 80 - 150ppm

Fibreglass/Vinyl Pools: 80 - 120ppm

Total alkalinity should not be confused with pH, although the two are closely related. Total alkalinity determines the speed and ease of pH change and is measured in ppm. You should use a test kit which includes a test for total alkalinity. Low total alkalinity can cause unstable pH levels. This causes an inability to keep the pH constant and may cause staining, etching and corrosion of metals. High total alkalinity will cause constantly high pH levels.

When total alkalinity is high you can add hydrochloric acid (a little at a time) to lower the total alkalinity.

When total alkalinity is low you can add pH buffer - sodium bicarbonate to raise the total alkalinity.

9.5 Calcium Hardness

Measurement Interval: Every 3 months

Ideal Calcium Hardness Levels

Concrete Pools: 250 - 300ppm

Fibreglass/Vinyl Pools: 150 - 190ppm

In addition to pH and total alkalinity, calcium hardness must be kept in balance so that your pool water does not become too corrosive or end up scaling the surface of your pool. These are symptoms of swimming pool water that is unbalanced.

9.6 Stabiliser

Measurement Interval: Every 4-6 weeks

Ideal Stabiliser Levels: 30 - 70ppm

The importance of pool stabilisers cannot be over emphasised. It is essential in helping retain chlorine in your pool. Chlorine is rapidly dissipated by sunlight and the use of stabiliser will reduce this dissipation dramatically. Without stabiliser, it may be necessary to run the unit for longer hours.

Tip: If your Oasis Vantage Salt & Mineral Chlorinator is connected to a pool automation system with an ORP sensor (such as the Oasis SmartChem), you may be required to use less stabiliser as this can affect the accuracy of ORP sensor readings.

10. CHLORINATOR MAINTENANCE

Maintenance of your Oasis Vantage Salt & Mineral Chlorinator is simple. The chlorinator is one of the most productive pieces of equipment on your swimming pool and requires some basic maintenance.

While water chemistry will always be the most important factor in maintaining stable operation, there are also other maintenance tasks to be undertaken periodically.

Ensure that the power pack (wall box) is not covered with towels or similar. There are vents that could be closed and these need air to keep the unit cool.

To extend the life of your unit we always recommend installation in an undercover area away from the elements.

Placing the unit in a closed shed or similar environment with chemicals, fertilisers and other corrosives will damage the unit and could void your warranty. The lack of ventilation could also result in high power pack running temperatures, especially where salt levels are also high.

Always keep the chlorinator cell off whilst backwashing your sand or media filter (where applicable). Please remember to turn it on again once the backwash is done and return the unit to AUTO mode. You can use the backwash function (See 7.6 Backwash for further details) or plug the filter pump into a general power outlet for simple on/off control while backwashing the filter.

At least once a year, check that the plug connections on the cell, and at the base of the unit are tight and in sound condition.

10.1 Inspecting and Cleaning the Cell Electrode

Reverse Polarity cells should not normally require cleaning, however, in areas with very hard water all calcium may not be removed. A calcium deposit might form on the lower areas of the cell, the sensor, or the sides of the cell plates. This will affect the operation of your chlorinator; however, you can clean the cell using a purpose-designed acid solution (available from all reputable pool shops).

All salt chlorinator cells must be inspected regularly and cleaned before scale/calcium builds up to the point where the electrode gaps in the cell are bridged. If the cell has excessive calcium deposits, this may damage the electrode coating as the bridging causes rubbing on the plate coatings and affects the operation. The cell should also be checked to prevent the accumulation of pool debris that for any reason may have by-passed the pool filter, particularly after backwashing.

For removal and cleaning, follow these steps:

To remove the cell, ensure that the pump is disabled by switching the unit off (use the I/O switch on the front of the power pack). If you have a pool automation system and your filter pump is not plugged into the chlorinator, you will need to disable the pump using the relevant automation system controls.

If in doubt, identify the filter pump and disconnect its lead from the power source.

If your pool equipment is below water level, isolate any applicable supply and return valves to prevent flooding of the equipment area when the cell is removed.

Unscrew the cell locking ring and remove the cell for inspection. If calcium build-up is present, disconnect the cable from the cell and take it away for cleaning.

Tip: Clean the cell as required using a purpose-designed acid solution (available from all reputable pool shops). Ensure to follow all safety, usage and disposal procedures as indicated on the packaging provided, or as advised by your local pool professional. Eye protection, mask and gloves should be worn when cleaning the cell. Do not allow any acid solution to enter the electrical connector at the end of the cell.

Check that the cell housing o-ring is clean and lubricated with silicone grease (**DO NOT** use petroleum-based lubricants).

Rinse the cell in clean water and reinstall in the housing, ensuring that the cell locking ring is hand tight and secure.

Return all valves to their normal position and reconnect / reactivate the filter pump.

If the pool equipment is above water level and there is limited or no water flow through the cell housing once the filter pump is switched back on, the pump may require manual priming in accordance with the manufacturer's instructions.

10.2 Inspecting the Power Pack

We recommend inspecting the power pack at least once quarterly.

Check that the plug connections at the base of the unit are tight and are in sound condition.

Ensure that the power lead is correctly plugged into a suitable weatherproof RCD protected 10amp outlet.

Check all cables for damage. If any damage is found, this should be repaired by the manufacturer, their agent or similar qualified person in order to avoid a hazard.

Ensure that there is adequate ventilation available to the power pack as the base of the chlorinator power pack has air vents to provide cooling to its internal components.

A special oil spray is applied to the inside of the unit at the time of manufacture to deter insects from entering the unit. To help assist in keeping the insects away, apply a surface spray periodically on the wall that the unit is mounted on. **DO NOT** spray directly into the power pack and make sure the power is off when you spray. Allow adequate time for the spray to dry before turning power on again.

11. SYSTEM TROUBLESHOOTING



If you suspect for any reason your Oasis Vantage Salt & Mineral Chlorinator is not performing or running as it should be, here are some handy troubleshooting tips that may assist you.

	Fault Indication	Potential Cause	Remedy
11.1	Fault message displays	Numerous causes	See the LCD display for the fault warning and refer to that section in this troubleshooting guide.
11.2	'High Salt' warning	Salt too high or short on cell plates	Check salt level (see section 7.4/9.2). Check that cell is clear of any foreign materials (e.g. wire, metal, touching plates, etc).
11.3	'Internal Temperature High' warning	No air flow in the area around the power pack or excessively high salt	Ensure power pack is mounted in a well-ventilated area free of chemicals and fertilisers. Check salt level (see section 7.4/9.2).
11.4	'Low Salt' or 'Clean Cell' or 'Faulty Cell' warning	Low salt level	Check salt level (see section 7.4/9.2).
		Build-up of calcium on the Cell plates	Calcium acts as an insulator and needs to be removed. Remove and clean cell (see section. 10.1).
		Water temperature is low	Winter water temperature can be very low. For every 1°C below 28°C the output can drop by 2-3%.
		Insufficient water flow through the cell	Check water flow and ensure a full chamber of water is passing over the cell. You may need to clean or backwash your filter.
11.4	'Low Salt' or 'Clean Cell' or 'Faulty Cell' warning	The cell could be damaged or at the end of its life	Damaged coating will reduce cell life and reduce output. If all conditions are correct, then the cell could be at the end of its life.
		Level low in one direction but OK in the other	The cell may need cleaning (see section. 10.1), or it could be at the end of its life.
11.5	'No Current Flow' or 'No Output' warning	No salt in pool or fault within power pack	Ensure that you have salt in the pool. Contact your supplier or Oasis Aquatics for further assistance.
11.6	'Water Flow Fault' warning	No salt in pool	If there is no salt in the pool the water sensor may not detect flow. Run the pump only (see section 7.2).
		No water flow	Possible closed valve, pump fault, burst pipe.
		Low water flow	Water does not cover the water sensor.
11.6	'Water Flow Fault' warning	Variable speed pump not supplying sufficient water to fill the cell housing	Increase the speed of the pump until the cell housing is filled with water.
11.7	'Water Temp Sudden Increase' warning	No water flow	Possible closed valve, pump fault, burst pipe.

Fault Indication	Potential Cause	Remedy
11.10 Not operating at all (no lights)	External automation system has switched the unit off	If your chlorinator is connected to an Oasis Smart or similar automation system, the unit is controlled by switching the power supply on and off. Switch on the filter pump and sanitiser using the automation system and recheck operation.
	Unit not connected to power	Check that the power lead is plugged into a power point.
	Faulty power point	Test power point using another appliance that is working without fault.
	Tripped circuit breaker	Check circuit breaker on the front of the power pack. Press white button to reset if tripped. If the circuit breaker immediately trips again, or there is still no power, an internal fault is likely. Contact your supplier or Oasis Aquatics for service.
11.11 Not operating at all (switches on but turns off)	Excessively high salt level	Check salt level (see section 7.4/9.2) and lower it if needed.
	Short circuit across cell plates	Remove cell and inspect for damage or metal debris caught between the plates. If no damage or debris is found, an internal fault is likely. Contact your supplier or Oasis Aquatics for service.
11.12 Display functions correctly but pump and cell do not turn on.	Incorrect clock or timer settings	Check that the mode setting is in ON or AUTO (see section 8.1). Check the clock and timer settings (see section 7.1/8.2).
	Active fault is inhibiting pump or cell operation	Check for any fault warnings on the LCD display. Refer to the steps for troubleshooting the applicable fault.
	Pump or cell are not plugged in.	Check all cable connections. If no issue is found, contact your supplier or Oasis Aquatics for service.
11.13 Sign of corrosion, melting or burning of the cell connector plug	Possible moisture entry to the plug	If melted, the unit will require servicing. Otherwise, clean the plug with electrical contact cleaner or similar.
11.14 Output reading is less than 100%	Water temperature is low	Winter water temperature can be very low. The chlorinator output will drop by 2-3% for every 1°C below 28°C.
	Low salt level	Check salt level (see section 7.4/9.2).
	Build-up of calcium on the cell plates	Calcium acts as an insulator and needs to be removed. Clean cell (see section 10.1)
	Insufficient water flow through the cell housing	Check water flow and ensure that a full chamber of water is passing over the cell. You may need to increase the pump speed or clean the filter.

	Fault Indication	Potential Cause	Remedy
11.14	Output reading is less than 100% <i>[continued]</i>	The cell could be damaged or at the end of its life	Damaged coating will reduce cell life and reduce output. If all conditions are correct, the cell could be at the end of its life.
		Level low in one direction but OK in the other	Cell may need cleaning (see section 10.1), or the cell may have reached end of life.
11.15	Power pack only works in one direction. No output in one direction	Faulty rectifiers, transformer or PVB	Contact your supplier or Oasis Aquatics for service.
11.16	Timer is not functioning properly in auto	Incorrect settings	Check timer settings (see section 7.1). Note that clock is in 24-hour time.
11.17	Filter pump is running continuously	Pump not plugged into the base of the chlorinator	Check that pump is plugged into the bottom of the power pack and not directly into a wall outlet. Ensure that the unit is set to AUTO mode.
		Pump request being received from heat pump via Heat Junction cable	Check for 'HP' icon on default display screen. If shown, check timer settings and cable connection on the heat pump as this is activating the filter pump.
11.18	Cell requires frequent manual cleaning due to excessive calcium build-up	Excessively high calcium	Carry out a calcium hardness test (see section 9.5) and adjust water chemistry accordingly.
		Change of direction time set too high	Change the cell cleaning times (see section 8.4).
		Power pack not reversing correctly.	Manually try changing the cell direction by holding both [<] and [>] buttons in for 3 sec (you must be in the default display screen for this to work). The cell direction should cycle between FWD and REV. Failure of this to work could indicate a faulty PCB and you should contact your supplier or Oasis Aquatics for service.
11.19	Low or No Chlorine Output	Unit not working correctly	Go through maintenance and troubleshooting sections, starting at section 10.1.
		Stabiliser is too low	Check stabiliser level (see section 9.6).
		Unit not set correctly	Basic settings such as output (%) control, clock and timer need to be checked. Review sections 5, 6, 7 & 8 of this manual and check unit setup.
		Salt level is too low	Check salt level (see section 7.4/9.2).
		pH is too high	Check pH guide (see section 9.3)
11.20	Clock loses time when mains power removed	Cell at the ends of its life	If full output is not reached, the cell may be at the end of its life
11.20	Clock loses time when mains power removed	Battery life expired	Contact your supplier or Oasis Aquatics for service.

12. WARRANTY

Australian Consumer Law

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Manufacturer's Warranty

11.1 The Oasis Vantage Salt & Mineral Chlorinator Power Pack & Electrolytic Cell will be repaired at no charge, for a period of three (3) years or 10,000 cell hours, whichever occurs first from the date of purchase should it be found, after examination, that the failure has been caused by faulty workmanship or materials. This is a back to base warranty and requires you to return the unit for inspection.

11.2 This warranty applies to the original purchaser and is not transferable under any circumstance. The original invoice, receipt or proof of purchased must be retained and produced if requested when making a claim.

11.3 Adverse operating conditions beyond the control of the manufacturer such as improper voltage or water equipment will render this warranty null and void.

11.4 Defective equipment must be returned to the manufacturer or dealer as soon as the purchaser becomes aware of the defect and all transport must be prepaid. Neither the manufacturer nor the dealer shall be responsible for any goods damaged in transit.

11.5 If after examination the equipment is found to be defective it will be repaired or replaced free of charge (other than transport costs which will be borne by the purchaser). However, if upon inspection of the equipment it is found that the terms of this warranty are not satisfied, then the usual charges of the manufacturer for repair or replacement will be made.

11.6 Products sold by the manufacturer are designed for use with swimming pool water balanced in accordance with the Langelier Saturation Index with a pH range of 6.8-7.8. Chlorine level should not exceed 4ppm and the salt level should not exceed 4500ppm.

11.7 The manufacturer will not be held liable for damage caused by, but not limited to, corrosion, scaling or stress.

The Warranty shall be void under the following circumstances:

- Installation is carried out incorrectly by any person other than a person authorised by us to do so.
- The power pack or cell is serviced by any person other than a person authorised by us to do so.
- The correct salt levels are not maintained at all times.
- The power pack is not protected from the elements.
- The power pack is not operated in a position or area with good ventilation.
- Water has been allowed to enter the power pack.
- There is damage to the power pack caused by insect infestation or penetration by dust, sand or other foreign particles.
- The equipment that has been misused, neglected, damaged, repaired without authorisation or altered in any way.
- There is other damage beyond the manufacturer's control.



13. TECHNICAL SUPPORT

For all warranty enquiries please contact your local distributor or contact **Sunlover Group** directly and we will either direct you to your nearest authorised repairer or assist you.

OASIS AQUATICS

(Part of the Sunlover Group)

Ph: 1800 815 913

Website: oasisaquatics.com.au

Email: info@oasisaquatics.com.au

DISCLAIMER

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A part of  **sunlover**

Victoria

6-8 Austral Place
Hallam VIC 3803
Australia
T: 03 9887 2131

New South Wales

Unit 2, 10 Boden Road
Seven Hills NSW 2147
Australia
T: 02 9838 0000

Queensland

11 Andy Court
Upper Coomera QLD 4209
Australia
T: 07 5679 6821

oasisaquatics.com.au
info@oasisaquatics.com.au