



**Aqua Pulse  
Spas**

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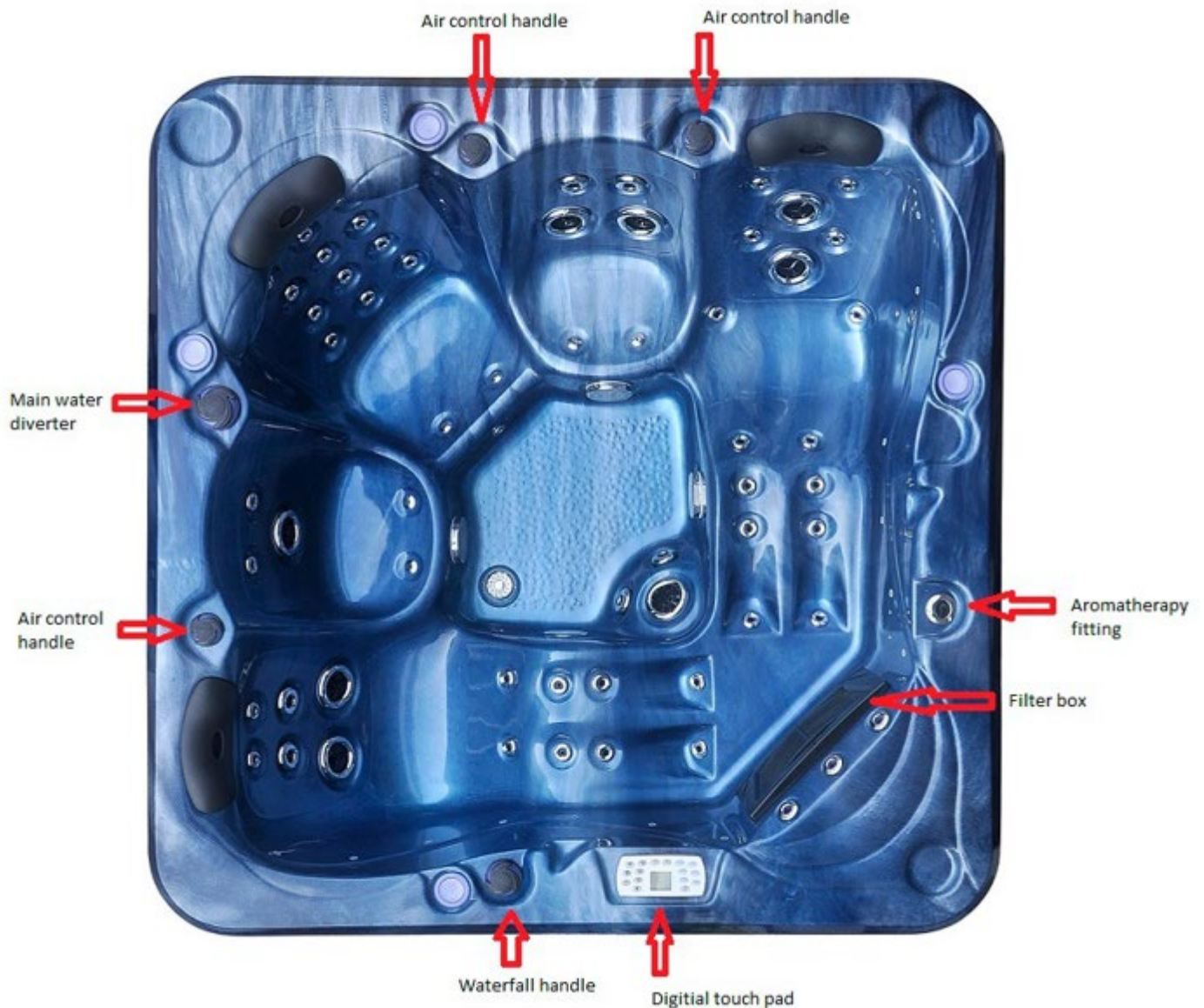
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# Portsea Luxury Spa

## USER MANUAL



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## IMPORTANT SAFETY INSTRUCTIONS

Your physiological response to hot water is very subjective and depends on your age, health and medical history. If you don't know your tolerance to hot water or experience dizziness, headaches, or nausea you should exit the spa immediately and cool down.

## WARNINGS

### **Children in and around the spa should be supervised at all times by a responsible adult.**

- Use caution when entering or exiting the spa, where practical install a safety grab bar or handrail and set of stairs with non-slip tape on the stair treads (cease use of the stairs immediately if the non-slip tape is not intact). Turn off all the jets before entering or exiting the spa to improve visibility while entering or exiting the spa. Remember that wet surfaces can be slippery.
- Do not allow anyone to submerge their head under the water.
- Do not use the spa unless all suction guards are installed to prevent body and hair entrapment. Do not sit in front of or on top of the suction fittings or skimmer. This will obstruct proper circulation of the water and may result in personal injury.
- Never operate the spa pumps without having all suction and return lines open.
- Always keep the vinyl cover installed and locked when the spa is not in use.
- Never allow anyone to sit or stand on the vinyl cover.
- People using medications and or having any adverse medical history should consult a physician before using the spa.
- People with infectious diseases should not use the spa.
- Do not use the spa if you are under the influence of alcohol or drugs.
- Do not consume alcohol or drugs while using the spa.
- Pregnant women should consult a physician before using the spa.
- As prolonged immersion in water temperatures more than 38°C (100°F) may damage your health, we recommend measuring the water temperature with an accurate thermometer before entering the spa. We also recommend establishing lower temperatures and shorter periods of use for users who may be affected by hot water temperature.
- To avoid the possibility of hyperthermia (heat stress) occurring it is recommended that the average temperature of spa-pool water should not exceed 38°.
- Do not use the spa immediately following strenuous exercise.
- You must use a Licenced Electrical Contractor to connect the spa to power.
- The power must be supplied through a residual current device (RCD) to Australian Standards.
- If your power supply cable is damaged switch the spa off at the residual current device inside yourhouses meter box, contact a Licenced Electrical Contractor to replace the cable.
- Live parts and connections must be inaccessible to any person in the spa.
- Earthed appliances must be permanently connected to fixed wiring.
- Do not permit or use electric appliances (such as lighting, telephone, radios, televisions etc.) within 2 meters of the spa.
- Test the GFCI (Ground Fault Circuit Interrupter) or residual current device (RCD) monthly.
- If water is leaking from the spa stop using the spa and turn it off at the residual current device (RCD) in the meter box until a qualified technician has resolved the problem.
- In daylight hours do not leave the spa empty or partially empty of water for any period of time, this can cause terminal damage to the spa fibreglass shell & acrylic layer.
- Post emergency phone numbers for Police, Fire Department and Ambulance at the nearest phone.
- Install a CPR Resuscitation chart within easy view of the spa.
- Check with your local council to see if you require a building & fencing permit for your spa.

## **HYPERTHERMIA**

Since your spa can be set to reach temperatures of 40°C (104°F) users should be aware that extended submersion in water that exceeds normal body temperature can lead to hyperthermia. Hyperthermia occurs when the internal temperature of the body reaches several degrees above the normal body temperature of 37°C (98.6°F). The symptoms of hyperthermia include drowsiness, lethargy, and an increase in the internal temperature of the body. The effects of hyperthermia include:

- Unawareness of impending hazard.
- Failure to perceive heat.
- Failure to recognize the need to exit the spa.
- Physical inability to exit the spa.
- Foetal damage in pregnant woman.
- Unconsciousness resulting in the danger of drowning.

If you feel any of the symptoms of hyperthermia safely exit the spa immediately. Please note that the use of Alcohol, Drugs or Medication can significantly increase the risk of Hyperthermia.

## **CONSIDERATIONS REQUIRED FOR THE LOCATION OF YOUR SPA**

Contact your local council to determine if a building permit is necessary and for information on applicable bylaws (distance from property lines, buildings, fencing requirements etc.). If you are doing any excavating contact Dial before You Dig on 1100 to ensure that there are no underground lines.

Locate the spa where possible within close distance of a door to the house, this will maximize potential winter use. If possible, locate the spa where you will enjoy some privacy. Make sure your spa is positioned so that access to all cabinet panels will not be blocked. Blocking access to any cabinet panel on the spa will render the spa unserviceable, you must have 900mm of clear uninterrupted space on all sides of the spa for a service technician to have space to make repairs. Service technicians will not move your spa to gain access to a cabinet panel which has been blocked in. Decking in your spa is not recommended you may render your spa unserviceable if the entire deck is not easily removable. Our technicians will not remove your deck to service your spa.

## **SPA FOUNDATION**

Your spa needs a good solid foundation supporting the whole base of the spa. The foundation on which your spa sits must be able to support the weight of the spa the water in it and the weight of its users. If the foundation is inadequate the spa may shift, this will cause stress to the spa shell which may lead to the shell cracking. Damage caused by an inadequate or improper foundation is not covered under this warranty. It is the responsibility of the spa owner to provide a proper foundation for the spa. A spa containing both water and people is extremely heavy, if you are installing the spa onto decking or any other elevated structure you must consult a structural engineer to ensure that the structure will support the weight of the spa. Ideally the spa should be installed onto a concrete base at least 4" thick with reinforcing steel inside the concrete. If you are installing your spa indoors ensure that your choice of flooring is impermeable to water. Ensure that water drains away from the spa protecting the cabinet and electrical components from water damage. Do not place any item underneath the spas base to level the spa this will cause stress to the spa shell which may lead to the shell cracking. Damage caused by packing under the spas fibreglass base is not covered under this warranty.

## **WATER SUPPLY**

Spas do not require a permanent water supply however there must be a water supply and hose within reach to fill the spa.

## **ELECTRICAL SAFETY**

Do not place your spa within 3 metres of overhead power lines.

In case of an emergency, you must have an accessible power shut off point within 3 meters of the spa.

## **ELECTRICAL INSTALLATION**

You will need a suitable electrical supply to run the spa. The Portsea Luxury Spa requires a hardwired 32Amp Residual Current Device Protected Dedicated Power Connection. Your Licenced Electrical Contractor can hardwire the spa straight to the meter box in your house or they can install a hardwired 32Amp residual current device protected dedicated isolation switch.

## **ALL ELECTRICAL CONNECTIONS REQUIRE YOUR LICENCED ELECTRICAL CONTRACTOR TO INSTALL THE APPROPRIATE SIZED RCD IN THE HOUSES METER BOX.**

It is the responsibility of your Licenced Electrical Contractor to ensure the Residual Current Device is installed at the correct mA required by the law.

When appointing an electrician to prepare your spas electrics check that they are suitably qualified and licenced to do so. Do not attempt to install the spas electrics yourself if you are not a fully Licenced Electrical Contractor. The spa must be wired on its own fused circuit back to your household meter box. The spa should not be sharing power supply with any other appliances.

We recommend you install a hardwired 32Amp residual current device protected dedicated Rotary Isolation Switch so that the spa can be isolated from the power supply in an emergency or for service work. This is simply a rotary on/off switch but should be sited more than 2 metres away from the spa so that users cannot be in the spa whilst operating the switch.



**Rotary Isolation Switch**

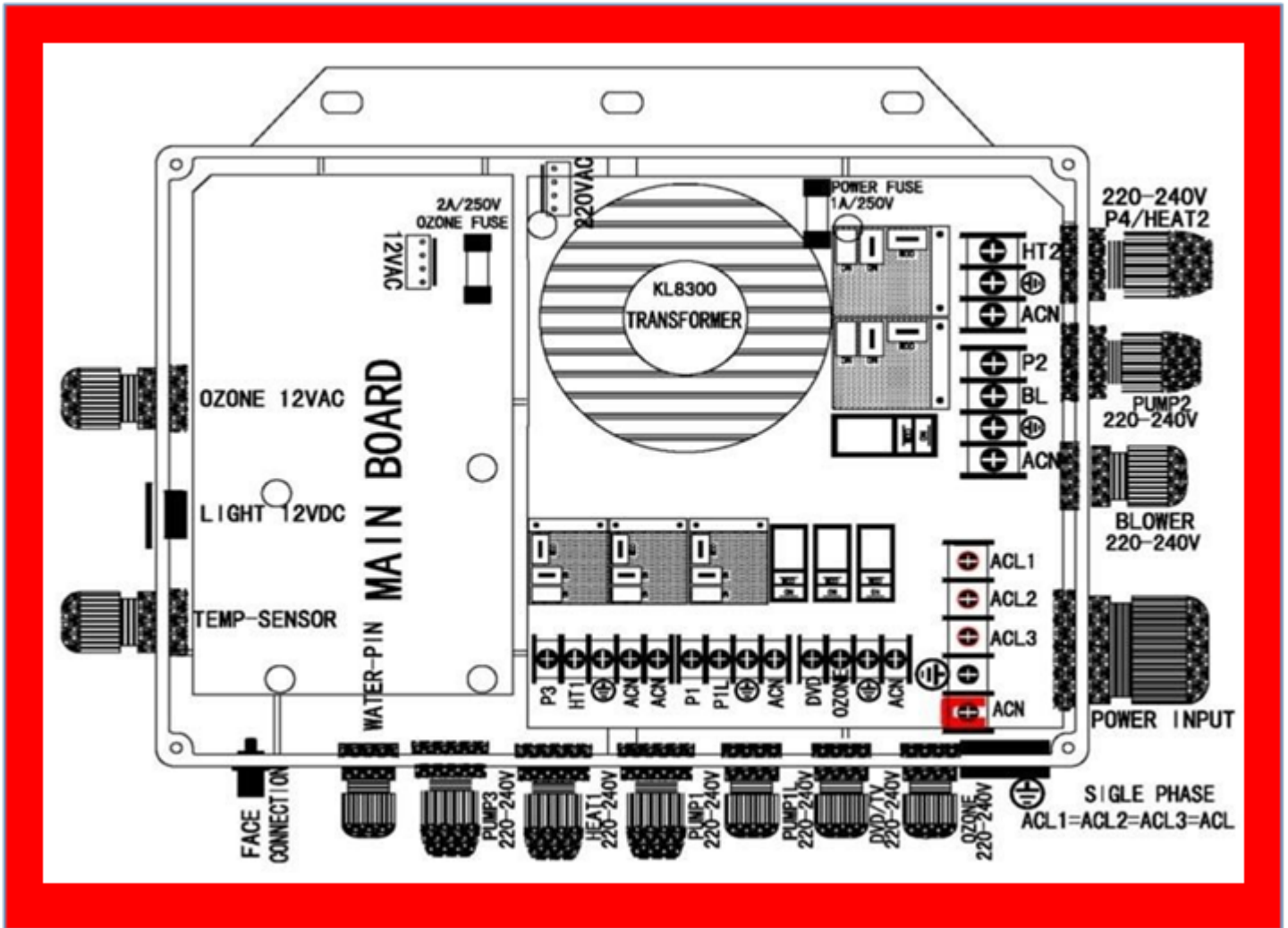
## **ELECTRICAL CONNECTION POINT LOCATION**



To hardwire the spa your Licenced Electrical Contractor will locate the electrical connection point here, unscrew and remove the cabinet panels directly underneath the spas touch pad.

While your electrician is on site make sure all the pumps are running before they leave site.





**IMPORTANT USAGE WARNINGS – NON WARRANTY FAULTS**

Spas are extremely delicate products and require regular maintenance. Below we will list a number of common causes of problems which are not covered under this warranty. Should we ever need to visit you to repair your spa you will be charged the full cost of a repair if we found that the cause was the result of poor maintenance or customer negligence. Paying full attention to the issues below will help to reduce the risk of damage to your spa.

## **WATER TREATMENT**

The most crucial aspects of spa maintenance is water treatment. Improper water balance will cause damage to the spas fibreglass shell, acrylic shell, pumps, jets, heater, headrests, vinyl cover and fittings. If we find improper water balance in your spa, these parts will not be covered under this warranty.

Please note that your spas headrests and filter box face are sensitive to chemical exposure, they will eventually discolour and turn white. If you over sanitize the water or allow them to float in the water, this can happen immediately. Discoloured headrests and filter box faces will not be covered under this warranty. Do not clean the spas headrests or filter box face with the spas water only use fresh tap water to clean the headrests and filter box faces.

We recommend that you have the spa water tested weekly at a professional pool or spa store to gain accurate results of the water chemistry. When you test at other pool or spas stores, you can use the test results they give you to calculate any adjustments you need to make using our how to balance the water instructions. You do need to be careful to not just apply the amounts of chemical that they tell you to apply. The reason for this is that they might set the parameters differently to what your spa requires.

Water chemistry test history from a professional pool or spa store showing results for Free chlorine, Total chlorine, pH, Alkalinity, Calcium hardness, Cyanuric acid & Salt must be kept as a dated once-a-month digital reference as part of your warranty terms. This test history will be required in the event of a warranty claim. Your warranty will be made void if you cannot show these results, or these results show you have used chemicals with ingredients we have asked you not to use or the results show you have not maintained the water to the ideal readings we have provided you with.

### **CHEMICALS WITH ANY OF THESE INGREDIANTS CANNOT BE USED IN YOUR SPA.**

Bromine, Granular chlorine calcium, Trichlor chlorine, Dichlor chlorine, Stabilised chlorine, Cyanuric acid, Liquid pool chlorine, Hydrochloric acid, Magnesium, Epsom salt, Hydrogen peroxide chlorine free, Phlihexanide hydrochloride chlorine free, Polyhexamethylene biguanide chlorine free.

**THESE CHEMICALS ARE ALL KNOWN TO CAUSE SOME FORM OF DAMAGE TO FIBREGLASS - ACRYLIC SPAS.**

**SOME OF THESE CHEMICALS WILL BREAK DOWN THE BONDS OF THE FIBREGLASS – ACRYLIC SHELL WHICH ALLOWS THE FIBREGLASS – ACRYLIC SHELL TO BE RE SHAPPED. THE WEIGHT OF THE WATER WILL PUSH DOWN ON THE FIBREGLASS – ACRYLIC SHELL AND RESHAPE IT OVER THE STAINLESS-STEEL STRUCTURAL FRAME CAUSING THE STRUCTURAL FRAME TO BECOME VISABLE THROUGH THE SHELL. SOME OF THESE CHEMICALS WILL BREAK DOWN THE ACRYLIC SHELL CAUSING BUBBLES & HOLES IN THE ACRYLIC SHELL.**

**THESE ISSUES ARE IRREVERSABLE.**

Your warranty will be made void if you use any of these chemicals, even if you only used it once.

If your monthly water test results show any amounts of these chemicals in your water, please contact your store of purchase immediately for advice.

## HOW TO REMOVE YOUR SPAS FILTERS

Remove the flat head screw in the filter box face and dispose of it.

### DO NOT REINSTALL THE SCREW.

1. Slide the face plate on the filter box vertically upwards until it separates away from the filter box.
2. Remove the leaf catcher by sliding it horizontally towards the centre of the spa.
3. To remove the filter, turn the handle on the top of the filter anti-clockwise until you can lift the filter out of the filter box.
4. To install the filter, place the filter inside the filter box and turn the handle on the top of the filter clockwise. Do not turn the filter with force just gently screw it in so it can be easily removed for weekly cleaning.
5. To install the leaf tray slide it horizontally into the filter box, make sure the tray sits in the middle of the locating grooves. The filter face plate will not install if you have the leaf tray outside of the locating grooves.
6. To install the face plate on the filter box slide the face plate vertically downwards.



### Note:

The black filter face will go white where the water and air meets from chemical exposure. This is unpreventable and can occur very quickly if you over sanitize the water.

## WEEKLY FILTERS CLEANING

Once a week remove the filters from the spa and wash thoroughly with a garden hose, then place the filters in a bucket of cold water and add 125ml of Filter Cleaner & Degreaser #9 or Filter Cleaner & Degreaser 1Litre Bottle. Agitate the water and leave the filters submerged to soak for 24 hours. After 24hours remove the filters, wash it thoroughly and allow it to completely dry out in an area exposed to the sun or wind.

It is recommended to purchase a spare filters and alternate between the filters each week to make the cleaning process easier. Filters which are not cleaned weekly can cause your spa to stop cleaning & heating. Your filter needs to be replaced every twelve months, however if you are rotating between two filters this will require replacement every two years.

To order your replacement filters <https://www.aquapulsespas.com.au/products/universal-cartridge-filter-2>

## FILLING YOUR SPA WITH WATER – AVOIDING AIR LOCKS

The correct way to fill your spa with water is to remove the spas filter and place your hose inside the filter box. Be sure to remove the fitting off the hose to prevent it from falling into the spas plumbing.

Placing the hose inside the spas main seating area may cause a build-up of air inside the plumbing creating an air lock. Air locks can stop the pumps and heater from working.

To help avoid this problem ensure you fill up the spa through the filter box. You can tell if you have an air lock by turning on the pumps, if no water appears to circulate through the system, it is very likely that you have an air lock. To resolve this problem, turn the pump off and loosen the unions at the side of the suction end of the pump until water begins to flow through, then retighten the union and try turning the pump on again.

Alternatively contact the store of purchase for advice on other ways to remove an air lock. Avoid over filling your spa with water.



### Note:

Please ensure the drain fitting is closed before filling the spa with water, see instructions on page 10.



## **VINYL COVER INSTALLATION**

Locate the screws and keys, which are packaged inside the vinyl cover.

Place the vinyl cover on top of the spa. Your vinyl cover is not square, you may need to rotate it to fit the spa.

On each strap of the vinyl cover there is a black plastic lock. Press the two prongs on each lock together and gently pull downwards to remove the section of the lock which you will need to screw onto the spas cabinet. With the section of the lock you have in your hand place it behind the prongs which are attached to the vinyl cover strap lined up so that the bottom of each part is flush. Now raise the section of the lock you have in your hand towards the top of the spa by 2cm and mark the position of the two holes on each lock onto the spas cabinet. Using the screws supplied screw each lock onto the spas cabinet. Do not pre-drill holes the screws will self-tap in, if using a drill stop before the screw is completely tight and finish tightening the screw by hand, if you over tighten the lock you will crack the plastic.

## **VINYL COVER USE & CARE**

To lift the vinyl cover, place your hand underneath the valance and lift the vinyl cover itself. The handles & valance on the vinyl cover are not for lifting or pulling the vinyl cover, lifting or pulling on the handles or valance will tear the vinyl & stitching. Never stand, sit, or apply any weight to the vinyl cover this will bend or break the vinyl cover. Do not open the zippers on your vinyl cover they can be extremely difficult to close and may not close at all. To clean your vinyl cover wipe both the top vinyl and underside over with a damp fresh tap water cloth. Do not use the spas water to wipe the vinyl cover this will leave chemical stains on the vinyl. To extend the life expectancy of your vinyl cover apply 303 aerospace protectant to the vinyl side of your vinyl cover every 30 days and balance your spas water weekly as per the chemical instructions we have supplied you with. Poorly balanced water can blister your vinyl cover, breakdown the stitching & leave algae stains on the cover.

Your vinyl cover must always be locked to the spas cabinet when the spa is not in use. Leaving the vinyl cover off exposes your spa to the elements which can cause permanent damage to the spas acrylic shell and fittings, it also allows leaves, dust etc. to enter your spa. Debris in the spa can cause blockages or damage to the equipment.

## **CABINET CARE**

Do not use any chemicals to clean your cabinet. The best way to clean your cabinet is to regularly wipe it down with a micro fibre cloth and fresh tap water. Where possible try to keep the cabinet from being exposed to the sun as this causes colour fade in the cabinet and can also cause the cabinet to warp.

## **ACRYLIC SHELL CARE**

Once a week use a chemical free micro fibre cloth and wipe down the acrylic spa shell in and above the water line. The acrylic will show scratches, crazing and chaffing marks, this is unavoidable and is not a manufacturing fault it's normal wear and tear for acrylic.

## EMPTY SPA WARNING

An empty or partially empty spa of water during daylight hours can cause deforming, changes to the shape of the shell, melting, crazing, discolouration, blisters or holes in the spa's fiberglass, acrylic and fittings, this can happen within minutes of the spa being emptied or partially empty. Your warranty does not cover deforming, changes to the shape of the shell, melting, crazing, discolouration, blisters or holes in the spa's acrylic and fittings, so it is especially important your vinyl cover is on the spa when not in use and the spa is filled with water at all times during daylight hours.

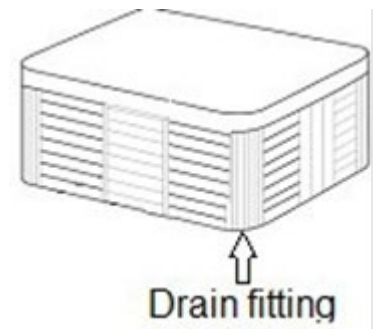
## DRAINING THE SPA - USING THE DRAIN FITTING WARNING:

Never drain or partially drain your spa of water in daylight hours.

Always drain your spa at night time & fully refill your spa with water the same night.

An empty or partially empty spa of water during daylight hours can cause deforming, changes to the shape of the shell, melting, crazing, discolouration, blisters or holes in the spa's fiberglass, acrylic and fittings, this can happen within minutes of the spa being emptied or partially empty. Your warranty does not cover deforming, changes to the shape of the shell, melting, crazing, discolouration, blisters or holes in the spa's acrylic and fittings, so it is especially important your vinyl cover is on the spa when not in use and the spa is filled with water at all times during daylight hours.

To locate your drain fitting it will be found on the touchpad side of the spa in either the left or right hand corner of the black fibreglass base underneath the synthetic cabinet. When you want to operate the drain fitting turn the handle clockwise and at the same time pull the handle away from the spa to release it from the locking keyway. When the drain fitting is pulled fully away from the fibreglass base you can now unscrew and remove the handle by screwing it anticlockwise. With the handle off you can now connect the supplied hose connection and attach your garden hose, now push the drain halfway back in toward the fibreglass base and it will begin draining the spa. Once drained remove the garden hose and garden hose connection. Replace the handle by screwing it on clockwise and push the drain fitting back into the fibreglass base. Once in the fibreglass base slightly turn the handle which will prevent it from coming out when you refill the spa with water.



## **OPENING & CLOSING WATER JETS**

The larger water jets in your spa can be manually turned on or off.

Turning the stainless-steel jet face clockwise will turn the jet on which will allow the water to flow through the jet.

Turning the stainless-steel jet face anticlockwise will turn the jet off slowing the water from flowing through the jet.

The smaller stainless-steel jets in your spa can not be opened & closed, they will always remain open.

## **WATERFALL HANDLE**

Your waterfall handle can be located on the spa image on page one.

To run your waterfalls, turn on a water pump and turn the waterfall handle to the left.

To turn the waterfalls off turn the waterfall handle to the right.

Do not apply force to the handle at the fully open or fully closed positions you will break it if you do, turn it softly.

The waterfall handle must be in the closed position when the spa has its vinyl cover on.

## **AIR CONTROL HANDLES**

The air control handles can be located on the spa image on page one.

These handles control the amount of air pressure the jets receive.

Turning the handle to the left will increase the water jets pressure.

Turning the handle to the right will decrease the water jets pressure.

## **AROMATHERAPY CONTROL HANDLE**

Your spa has an inbuilt aroma therapy stick which can be located on the spa image on page one. With all the pumps turned off unscrew the fitting from the spa and take out the stick. Remove the plastic transport cover by unscrewing the blue cap and sliding the opaque cover off to expose the scented stick inside, screw the blue cap back onto the aroma stick leaving the opaque cover off. Reinstall the stick back into the spa, do not overtighten the fitting it only needs to be lightly tightened. Turning the handle clockwise runs the aroma scent when you have the air blower turned on and turning the handle anticlockwise will turn the aroma scent off.

## **WATER DIVERTER**

The diverter handle can be located on the spa image on page one.

This handle is used to move where the water is delivered within the spa.

When you turn the handle to different positions the water pressure will change and move location within the spa.

When the pumps are running this handle will make loud noise from the water pressure flowing through the handle, the noise level will vary depending on where the handle is positioned.

Do not turn this handle while the pumps are running and do not apply force to the handle at the fully open or fully closed positions you will break it if you do, to make adjustments turn the handle softly when the pumps are turned off.

## **AROMATHERAPY CONTROL HANDLE**

Your spa has an inbuilt aroma therapy stick which can be located on the spa image on page one. With all the pumps turned off unscrew the fitting from the spa and take out the stick. Remove the plastic transport cover by unscrewing the blue cap and sliding the opaque cover off to expose the scented stick inside, screw the blue cap back onto the aroma stick leaving the opaque cover off. Reinstall the stick back into the spa, do not overtighten the fitting it only needs to be lightly tightened. Turning the handle clockwise runs the aroma scent when you have the air blower turned on and turning the handle anticlockwise will turn the aroma scent off.

## **MY SPA IS TOO HOT IN SUMMER, THE TEMPERATURE OF THE WATER IS HIGHER THAN I HAVE SET**

During summer there may be times when the spas water exceeds the set temperature. This is not a fault in the spa it is simply the ambient air temperature causing this. To combat this problem, you can use ice to cool down the water.

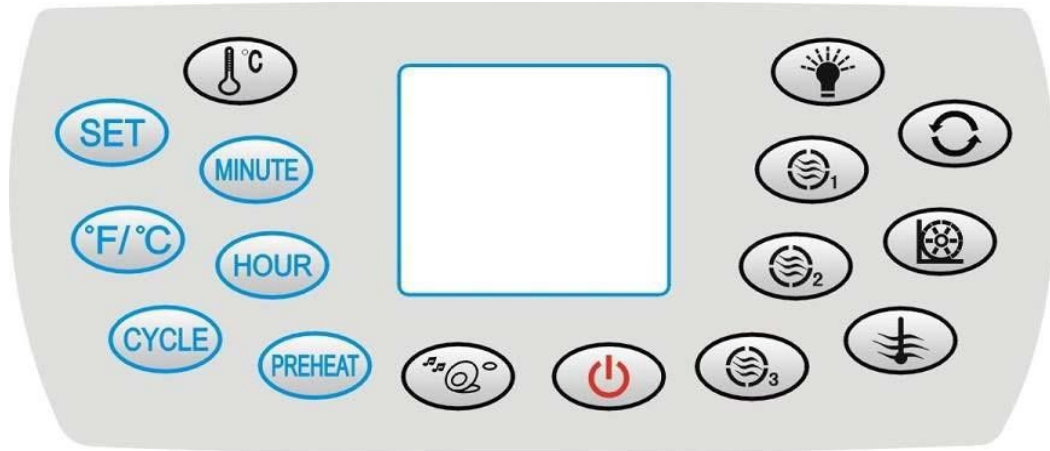
## **FROST PREVENTION SYSTEM**


If the temperature of the spas water drops below 5°C the spa will switch on the heater until the spa reaches the temperature of 8°C.

## **OZONATOR**








The spas ozonator will automatically turns itself on when the spa is running filter cycles, there are no adjustments you are able to make. When the ozonator is running, the bubbles you see and the noise level you hear will vary. Sometimes you will see less bubbles and hear less noise, sometimes you will see more bubbles and hear more noise, this is normal operation and is not cause for concern.

## OPERATING YOUR PORTSEA LUXURY SPA

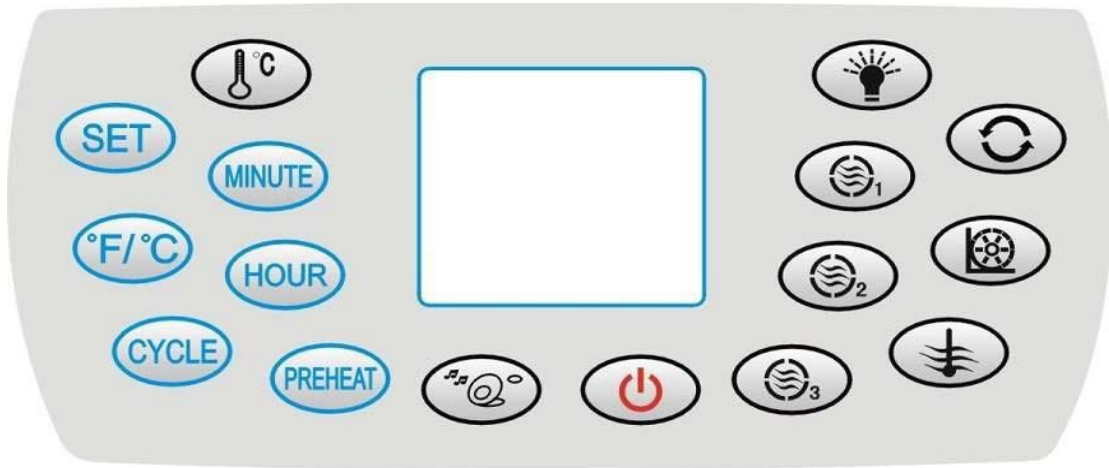








- Your spa has two modes of operation, Standby and Active modes.
- To switch between Standby and Active modes press 
- The spa will display '---' to indicate that the spa is in Standby mode.

**Please Note:** The Blue buttons will only operate when the spa is in Standby mode and the Black buttons will only operate when the spa is in Active mode.

BUTTON	FUNCTION	MODE
	Changes Between Active & Standby Modes	N/A
	Sets Cycle Cleaning and Filtration	Standby Mode Only
	Sets Heating Cycle	Standby Mode Only
	Sets Fahrenheit or Celsius	Standby Mode Only
	Sets Temperature	Active Mode Only
	No Function	Active Mode Only
	Turns on LED Lights	Active Mode Only

## OPERATING YOUR PORTSEA LUXURY SPA



BUTTON	FUNCTION	MODE
	Turns on Water Jets 1	Active Mode Only
	Turns on Water Jets 2	Active Mode Only
	No Function	Active Mode Only
	Air Blower	Active Mode Only
	Turns on Heater for Manual Heating (Jets 1 & 2 must be off)	Active Mode Only
	Starts Cycle Cleaning	Standby Mode Only




## SETTING THE TIME



When turning on the spa for the first time you will need to set the clock time. To

set the clock time the spa must be in Standby mode.

Please ensure the spa is in Standby Mode (---). The three horizontal dashes must be displayed.

Press the  button to enter the time setting mode.

The hour and minutes will begin to flash on the display.

Press the  and  buttons to adjust the time, the time is set in a 24 hour clock.

Once the desired time is selected wait for 5 seconds.

The hour and minutes will remain static once this has completed.

If your spa loses power you may need to reset your time of day and being a digital clock the clock itself can gain or lose time requiring adjustments to be made.

## SETTING THE CYCLE CLEANING


In order to keep your spa clean you need to set the cycle cleaning. This feature will automatically turn on all of the spas jets temporarily to purge the spas water and then will run the spas filter for the set period of time. You must run this feature for a minimum of 6 hours every day.

To set the 6-hour cleaning cycle ensure the spa is in Standby Mode (---)

Now press 

Now enter the time of day you want the spa to begin the cycle cleaning, using a 24-hour clock.

To adjust the time, press the  and  buttons.

Once you have selected an appropriate time press 

Now enter the duration for which you want the spa to cycle clean.

To adjust the duration, press the  and  buttons, you must set at least a 6-hour period  
Which will read 6:00

Once you have selected an appropriate duration press 

Now press the  button.

This symbol  will now appear on the display panel to indicate that cycle cleaning has been set.

## SETTING THE CYCLE HEATING


Use the preheating function at the same time you run your cleaning cycle.

Ensure the spa is in Standby Mode (---)

Press 

Now enter the time of day you want the spa to begin preheating using a 24-hour clock.  
(Use the same time set for the cleaning cycle).

To adjust the time, press the  and  buttons.


Once you have selected an appropriate time press 


Now enter the duration for which you want the spa to preheat  
(Use the same time you have set for the cleaning cycle)

To adjust the duration, press the  and  buttons and set at least a 6-hour period, which will look like 6:00.

Once you have selected an appropriate duration press 

Now set the temperature you want the spa to preheat too.


Press the  button to adjust the temperature to the desired temperature.


Now press this  button an 'on' sign (see below) will now be displayed next to the time which indicates that the preheating has been set.



## TURNING ON THE HEATER MANUALLY- MAINTAINING HEAT

Ensure the spa is in Active Mode.


Press the  button to adjust the temperature to the desired temperature.

Press this  button to turn on the heater manually.

You will see the word heat flashing on the touchpad, once the heat word goes solid and stops flashing the spa is heating. If you leave the spa in active mode and leave this button turned on permanently it will maintain the set temperature within 3 degrees. For example, if you set the spa to 38 degrees it will take the spa to 38 degrees automatically turn off and when the spa drops 2 to 3 degrees in temperature it will turn back on and re heat the spa to 38 degrees. If the heat word is not flashing or solid on the touch pad the button has been turned off and will need to be re pressed to turn this feature back on.

## TURNING ON THE HOT WATER MASSAGE PUMP

Ensure the spa is in Active Mode.

Press this  button to turn on the hot water pump.

To turn off the hot water pump press the same button again.

This pump will automatically turn itself off after a set amount of time running, if it turns off while you are in the spa you can press the same button to make it run again.

## TURNING ON THE AIR BLOWER

Ensure the spa is in Active Mode.

Press this  button to turn on the air blower.


To turn off the air blower press the same button again.


This air blower will automatically turn itself off after a set amount of time running, if it turns off while you are in the spa you can press the same button to make it run again.

## TURNING THE WATERFALL ON & OFF

The waterfall will only run whilst the spa is heating once the desired heat is reached the waterfall will not run. When using the waterfall handle do not apply pressure to the handle at the fully open or fully closed positions you will break the handle if you do.

To run your waterfall, turn the manual – maintaining heat button on and set the temperature button at least two degrees above the current water temperature.


Press the  button to adjust the temperature two degrees higher than the current temperature.


Press this  button to turn on the heater manually.

Now turn the waterfall control handle anticlockwise to run the waterfall. To turn the waterfall off turn the waterfall control handle clockwise until the waterfall stops running. Reduce the temperature button back to the original temperature. Make sure you turn the waterfall control handle to the closed position when you finish using this feature. If you leave the waterfall handle in the open position the spa will leak water when the hardcover is on the spa.

## **TURNING THE LIGHTS ON & OFF**

Ensure the spa is in Active Mode.

Press this  button once to turn on the lights, the lights will now alternate between a number of colours.

To hold a particular colour press this  button second time.

To turn the lights off press the button a third time

## TROUBLESHOOTING

Symptoms	Possible Cause(s)	Possible Resolutions
No Power	MCB Switch off Inadequate wiring of power to spa Fuse blown in control box RCD Tripped RCD Connected Improperly	Check MCB Consult electrician Replace fuse Reset Consult electrician
No Circulation	Impeller clogged Water level too low	Access and clean Top up water
RCD Repeatedly Tripping	Power Supply Short in Grounding	Check power supply is adequate Consult your electrician.
Jet Surge	Water level too low Pump suction are blocked	Top up water Clear the suction
No Heat	Heater is not switched on Water level is too low Heating element is damaged	Turn on heating (See Manual) Top up the water Contact seller
Noisy Motor	Damaged or worn bearings Low voltage Low water level Frozen pump	Contact seller Check electrical supply Top up the water Thaw out
Display Panel Not Working	Poor connection	Unplug and reconnect the cable
Pump doesn't turn on	No power to the pump Low water level Air Lock	See "No Power" above Top up the water See "Air Lock" in user's manual
Thermometer button flashes when the Heat Button is pressed	Not enough pressure to the circulation pump	Operate the circulation pump for a few minutes before turning on the heater.

**UNLESS YOU HAVE THE APPROPRIATE ELECTRICAL LICENCE DO NOT OPEN THE SPAS COMPUTER BOX, PLEASE CONTACT THE STORE OF PURCHASE FOR DETAILS OF A LICENCED CONTRACTOR.**

If you have any issue with your spa and the troubleshooting does not resolve your issue, please contact the store of purchase before engaging a technician or electrician for help. We will arrange a time for one of our technicians to be available to assist your technician or electrician with phone advice. Failure to do so may lead to your technician or electrician not being able to find or fix the fault leading to further unnecessary call outs to your site.