



TORQUAY LUXURY SPA 1600 LITRES START UP INSTRUCTIONS

Note: It is extremely important that you fill your spa with water and fit the hardcover as soon as the spa is delivered even if your electrician is not coming straight away.

Remove the filters from the spa, see page 18 in your user manual.
Place a hose in the filter box to fill the spa with water, see page 19 in your user manual.
Remove the fittings from your hose to prevent them falling into the spas plumbing.

Set your main diverter on the spa to the centre so that both sides of the spas plumbing will fill up with water.
Refer to page 21 your user manual to locate the main diverter.

Fill the spa with water until the top of the highest jets are completely under water then place your filter back in the spa.

Your hardcover must always be on the spa when not in use, and the spa must always be filled with water.
An empty or partially empty spa of water during sunlight hours can cause deforming, 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, melting, crazing, discolouration, blisters or holes in the spa's acrylic and fittings, so it is especially important your hardcover is on the spa when not in use and the spa is always filled with water during daylight hours.

GARDEN HOSE FITTING

Locate the small plastic bag in the spas packaging, this bag has the garden hose fitting which you will need when it comes time to drain the spa in the future.

HARDCOVER INSTALLATION

Locate your hardcover screws & Hardcover keys, these will be with the hardcover itself.
Place your hardcover on the spa and position it to fold in the direction of your preference.
On each strap of the hardcover 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 hardcover 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 smaller screws supplied in the green bag 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.

AROMATHERAPY FITTING

Your spa has an inbuilt aroma therapy stick, you can locate it on page 1 in your user manual. With the spas power turned off remove the silver fitting by turning it anticlockwise, this will separate from the spa and you will now see a D shaped handle, lift the handle upwards to remove it. You should now have the aroma therapy canister in your hand, the canister has a plastic transport cover which needs to be removed. You can remove it by unscrewing the blue cap and sliding the opaque cover off which will expose the scented stick inside, screw the blue cap back onto the aroma stick and dispose of the opaque cover. Reinstall the stick back into the spa, now screw the silver fitting back onto the spa by turning it clockwise do not overtighten the fitting it only needs to be lightly tightened. From here turning the D shaped handle clockwise runs the aroma therapy scent when you have the air blower turned on and turning the D shaped handle anticlockwise will turn the aroma therapy scent off.

Have a qualified electrician connect the spa to power.

Electrician Note: DO NOT CHANGE THE DIP SETTINGS ON THE CIRCUIT BOARD.

The power supply your electrician needs to connect is 32Amp Dedicated Single Phase connection with the appropriate sized Residual Current Device in your houses metre box.

Please refer to page 5 through to page 6 of your user manual.

The panels to remove from the spa to find the electrical connection point will be the panels directly underneath the digital touch pad on the spa. Your electrician can drill a hole anywhere through the fibreglass base to pull the electrical cable through. You need to open the cabinet where you plan to drill the hole to make sure the area is clear of any parts.

Once the spa has power connected to it and it is filled with water your electrician can turn the power on. Never turn the spa on if you do not have it filled with water. The spa will go through a self-check mode where you will see a series of numbers appearing on the touch pad, the spa will then do a purge cycle and turn on all the pumps. The spa will turn itself off once the purge cycle is complete and will begin its first filter cycle where you will see water movement in the middle of the spa. If you leave the spa alone it will automatically start heating the spa to 38 degrees. If you want to change the temperature go to page 22 in your user manual and follow the instructions to set the time of day and your desired temperature. Make sure that the spa is set in Standard Mode.

Now go to the below chemical instructions and balance the spas water

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Aqua Pulse Spas

EACH TIME THE SPA IS COMPLETELY FILLED WITH FRESH WATER

Note: Do not apply any chemicals to the spas water if there is no power supply. The spa will be fine with the water unbalanced for a week if you are waiting for an electrician.

Add 64ml of Liquid Lithium

Add straight into the spas water away from the filter box and run jet 1 for 5 minutes to mix it in.

Four hours after applying the first dose of Liquid Lithium balance the pH, Alkalinity & Calcium Hardness in the water by following the instructions listed below under the title **ONCE A WEEK BALANCE THE WATER**

Note: Unbalanced pH, Alkalinity & Calcium Hardness will damage your spas parts and void your spas warranty.

CHEMICAL INSTRUCTIONS

AFTER COMPLETION OF USAGE FOR THE DAY

Add 64ml of Liquid Lithium Add straight into the spas water away from the filter box and run jet 1 for 5 minutes to mix it in.

ONCE A WEEK CLEAN THE FILTER

Remove the filter from the spa and wash thoroughly with a garden hose, then place the filter 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 filter submerged to soak for 24 hours.

After 24hours remove the filter and 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 filter and alternate between the filter each week to make the cleaning process easier. Filters which are not cleaned weekly can cause your spa to stop cleaning & heating.

Replace your filter every twelve months, however if you are rotating between two filters this will require replacement every two years. To order your replacement filter:

<https://www.aquapulsespas.com.au/products/universal-cartridge-filter-2>

ONCE A WEEK BALANCE THE WATER

Note: When balancing the water in your spa you must wait 4 hours between adding each chemical and always add the chemical away from the filter box. Your jet 1 must be run for a minimum of 5 minutes after applying any chemical.

Note: Detergents will cause foaming in the water. To avoid foaming do not allow any body lotions or swimmers which have been through your washing machine to enter the water. You may need to shower prior to using your spa and with your swimmers just rinse them off and hang them out to dry to avoid introducing detergents to the spas water which causes foaming.

Top the spas water up with at least two buckets of fresh water.

Balance the spas water using **3 in 1 Test Strips**

Use the readings you get off the test strips to balance the:

Free Chlorine, pH & Alkalinity

To Balance your Calcium Hardness, you need to take a sample of your spas water into a pool or spa store for accurate testing. Do not use any brand of Test Strips to balance Calcium Hardness they will not be accurate enough.

HOW TO BALANCE FREE CHLORINE / LIQUID LITHIUM ideal reading is between 1-3ppm.

If your reading is **lower than 1ppm** raise the free chlorine / liquid lithium by adding

64ml Liquid Lithium.

Add straight into the spas water away from the filter box and run jet 1 for 5 minutes to mix it in.

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HOW TO BALANCE TOTAL ALKALINITY ideal reading is between 80-120ppm.

If your reading is **lower than 80ppm** raise the total alkalinity by adding **Alkalinity Increaser #4**.

28g will raise the Total Alkalinity by approximately 10ppm.

Example reading is 60ppm and I want to get close to 100ppm
 $100\text{ppm} - 60\text{ppm} = 40\text{ppm} \div 10\text{ppm} = 4 \times 28\text{g} = 112\text{g}$ to apply

Do not use more than 55g in one day it will bind the chemical to the shell & feel like sandpaper if you apply more.

Use a bucket and scoop some of the spas water into the bucket until it is roughly $\frac{3}{4}$ full, then add the Alkalinity Increaser #4 to the bucket of water and stir (avoid contact with your skin), once dissolved pour the water from the bucket into the spa and run jet 1 for 5 minutes.

If your reading is **higher than 120ppm** lower the total alkalinity by adding **pH Reducer #6**.

28g will lower the Total Alkalinity by approximately 10ppm.

Example reading is 150ppm and I want to get close to 100ppm
 $150\text{ppm} - 100\text{ppm} = 50\text{ppm} \div 10\text{ppm} = 5 \times 28\text{g} = 140\text{g}$ to apply

Do not use more than 40g in one day it will bind the chemical to the shell & feel like sandpaper if you apply more.

Use a bucket and scoop some of the spas water into the bucket until it is roughly $\frac{3}{4}$ full, then add the pH Reducer #6 to the bucket of water and stir (avoid contact with your skin), once dissolved pour the water from the bucket into the spa and run jet 1 for 5 minutes.

HOW TO BALANCE pH ideal reading is between 7.2-7.8.

If your reading is **lower than 7.2** raise the pH by adding **Alkalinity Increaser #4**.

28g will raise the pH by approximately 10ppm. (10ppm = 1.0 from the reading)

Example reading is 7ppm and I want to get close to 7.5ppm
 $7.5\text{ppm} - 7\text{ppm} = 0.5\text{ppm} \times 28 = 14\text{g}$ to apply

Do not use more than 55g in one day it will bind the chemical to the shell & feel like sandpaper if you apply more.

Use a bucket and scoop some of the spas water into the bucket until it is roughly $\frac{3}{4}$ full, then add the Alkalinity Increaser #4 to the bucket of water and stir (avoid contact with your skin), once dissolved pour the water from the bucket into the spa and run jet 1 for 5 minutes.

If your reading is **higher than 7.8** lower the pH by using **pH Reducer #6**.

28g will lower the pH by approximately 10ppm. (10ppm = 1.0 from the reading)

Example reading is 8ppm and I want to get close to 7.5ppm
 $8\text{ppm} - 7.5\text{ppm} = 0.5\text{ppm} \times 28\text{g} = 14\text{g}$ to apply

Do not use more than 40g in one day it will bind the chemical to the shell & feel like sandpaper if you apply more.

Use a bucket and scoop some of the spas water into the bucket until it is roughly $\frac{3}{4}$ full, then add the pH Reducer #6 to the bucket of water and stir (avoid contact with your skin), once dissolved pour the water from the bucket into the spa and run jet 1 for 5 minutes.

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HOW TO BALANCE CALCIUM HARDNESS ideal reading is between 250-400ppm.

If your reading is lower than 250ppm raise the Calcium Hardness by adding **Hardness Raiser #11**.

16g will raise the Calcium Hardness by approximately 10ppm.

Example reading is 200ppm and I want to get close to 325ppm.
 $325\text{ppm} - 200\text{ppm} = 125\text{ppm} \div 10\text{ppm} = 12.5 \times 16\text{g} = 200\text{g}$ to apply.

Use a bucket and scoop some of the spas water into the bucket until it is roughly $\frac{3}{4}$ full, then add the Hardness Raiser #11 to the bucket of water and stir (avoid contact with your skin), when completely dissolved (this may take several hours) pour the water from the bucket into the spa and run jet 1 for 5 minutes.

Do not use any brand of Test Strips to balance Calcium Hardness.

To balance your Calcium Hardness, you will need to take a sample of your spas water into a pool or spa store for accurate testing. When you apply the Calcium Hardness required this may make your water go cloudy, don't panic it will clear up in a couple of days.

If your reading is **higher than 400ppm** lower the Calcium Hardness by adding **Calcium Remover**.

4.8ml will lower the Calcium Hardness by approximately 10ppm.

Example reading is 450ppm and I want to get close to 325ppm.
 $450\text{ppm} - 325\text{ppm} = 125\text{ppm} \div 10\text{ppm} = 12.5 \times 4.8\text{ml} = 60\text{ml}$ to apply.

Add straight into the spas water away from the filter box and run jet 1 for 5 minutes to mix it in.

EVERY 6 MONTHS PIPE FLUSH & DRAIN THE WATER

NEVER DRAIN YOUR SPA IN DAYLIGHT HOURS YOU MUST ALWAYS DRAIN YOUR SPA AT NIGHT-TIME AND REFILL YOUR SPA THE SAME NIGHT.

An empty or partially empty spa of water during sunlight hours can cause deforming, 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, melting, crazing, discolouration, blisters or holes in the spa's acrylic and fittings, so it is especially important your hardcover is on the spa when not in use and the spa is always filled with water during daylight hours.

To drain your spa add some water so that the water is higher than the normal water line this will help to clean off chemical residue which can build up at the water line. Now put 1 Litre of Spa Pipe Flusha #12 into the water and run all pumps for at least 20 minutes, then turn the power supply to the spa off and drain the water. Place your garden hose in each jet and flush out any residue left in the pipes. Sponge out any remaining water in the spa, wipe down the complete shell with a soft cloth, do not use any chemicals. Pipe Flusha cleans your spas pumps & heater which helps prevent premature failure of these parts.

When refilling the spa make sure that the drain has been closed and place the hose in the filter box to refill the spa with water. Do not forget to remove the fitting off the hose.

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INSTRUCTIONS YOU MUST FOLLOW TO PROTECT YOUR SPAS WARRANTY

The prescriptions provided here are based on using **Bond branded** Liquid Lithium & **Pool Pro branded** pH Reducer #6, Alkalinity Increaser #4 & Hardness Raiser #11 & Calcium Remover chemicals only. Other branded chemicals might say the same thing on the label or say they are suitable to be used in a spa, but the active ingredient of the product can be totally different which will require different prescriptions which we cannot help you with. You could cause accidental irreversible damage to your spa if you use different branded chemical's.

CHEMICALS WITH ANY AMOUNT 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 PRODUCTS ARE ALL KNOWN TO CAUSE SOME FORM OF DAMAGE TO ACRYLIC SPAS & SOME OF THESE PRODUCTS WILL MAKE THE FIBREGLASS SPA SHELL DEFORM IN SHAPE CAUSING THE STAINLESS STEEL FRAME TO PROTRUDE THROUGH THE SHELL AND CREATE BUBBLES AND HOLES IN THE SPAS ACRYLIC WHICH IS IRREVERSABLE.

Your warranty will be made void if you use any of these products.

3 in 1 Test Strips are not 100% accurate as the colours may be read differently by each person who reads them. We recommend that you use these test strips as a rough guide only and you must retest each day before applying more chemicals to prevent overdosing.

You must visit us or a local pool store with a water sample once you fill the spa to get an accurate water test done to check that the balances are correct.

We recommend that you have the spa water tested weekly at a pool or spa store to gain accurate results of the water chemistry. Do not add any doses of Liquid Lithium for 48 hours prior to taking your water in for testing. 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 once a week 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.

For Example:

	Spa Chemical Parameters	Swimming Pool Chemical Parameters
pH	7.2ppm – 7.8ppm	7.2ppm – 7.6ppm
Alkalinity	80ppm – 120ppm	100ppm – 150ppm
Calcium Hardness	250ppm – 400ppm	175ppm - 350ppm

The chemical adjustments they ask you to make are most likely to balance it to the swimming pool parameters which means you will either overdose or underdose the amount you require.

WE WILL NOT BE HELD RESPONSIBLE FOR POOR ADVICE SUPPLIED BY ANOTHER POOL OR SPA STORE.

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.

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