



# Aqua Pulse Spas

## **LORNE CLASSIC SPA START UP INSTRUCTIONS**

Remove the filters from the spa, see page 8 in your user manual.

Place a hose in the filter box to fill the spa with water, see page 7 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 9 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 filters back in the spa.

**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.

Your hardcover must always be on the spa when not in use, and the spa must always be filled with water.

An empty spa on a hot day will cause melting, crazing, discolouration and blistering in the spa's acrylic and fittings. This can happen within minutes of the spa being emptied. Your warranty does not cover melting, crazing, discolouration and blistering 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 filled with water.

The screws to fit your hardcover clips onto the spa's cabinet are in a small green zip lock bag taped to the packaging on the spa, make sure you locate them before you dispose of the packaging. In the same pack there will be a drain fitting which you will need when it comes time to drain the spa. On the hardcover itself you will find the clips which you need to screw onto the spas cabinet to lock the hardcover down.

### **NEVER CONNECT POWER USING AN EXTENSION LEAD.**

Have a qualified electrician connect the spa to power.

The power supply your electrician needs to connect is a 10Amp 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.

Once the spa has power connected to it and it is filled with water your electrician can turn the power on. You will need to press the reset button on the safety switch built into the power lead to turn the spa on.

Never turn the spa on if you do not have it filled with water.

While your electrician is still on site, put the spa into Active mode, see page 10 in your user manual.

Once you are in active mode press Jets 1, see page 11 in your user manual.

You should now have water movement within the spa, let the spa run for 5 minutes then press Jets 1 to turn the pump off.

If you have no water movement at this stage have your electrician contact the store while they are still onsite.

Now go to page 12 in your user manual and follow the instructions to set the time of day.

Now go to page 12 in your user manual and follow the instructions to set the cycle cleaning.

Now go to page 13 in your user manual and follow the instructions to set the cycle heating

Now go to your weekly chemical instructions and balance the spas water.

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## LORNE CLASSIC SPA 1200 LITRES WEEKLY CHEMICAL INSTRUCTIONS

### EACH TIME THE SPA IS COMPLETELY FILLED WITH FRESH WATER

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.

Place a **Nature 2 Stick** on the spas leaf catcher inside the filter box. Dispose of the two smaller yellow sticks inside the box and just use the larger section of the Nature 2 Stick.

With the supplied cable tie, attach the nature 2 stick to the leaf catcher to prevent it from falling into the spas plumbing.



### **Add 38g of Granular Chlorine.**

Use a bucket and scoop some of the spas water into the bucket until it is roughly  $\frac{3}{4}$  full, then add the granular chlorine to the bucket of water and lightly stir (avoid contact with your skin), after 30 seconds pour the water from the bucket into the spa and run jet 1 for 5 minutes.

**Do not put any of the chlorine granules left in the bucket into the spa they need to be thrown out.**

**The granules are coated in chlorine and it is just the chlorine coating we want to apply to the water.**

**Chlorine granules will damage your spas acrylic and parts, which will void their warranty.**

Note: **GRANULAR CHLORINE IS COROSIVE.** Be careful not to contact yourself or the spas acrylic, cabinet, head rests or hardcover with the chlorine as it will cause damage. We recommend you remove the spas headrest prior to using the granular chlorine and replace them the next day to avoid discolouration.

Balance the pH, Alkalinity & Calcium Hardness in the water by following the instructions listed below under the title ONCE A WEEK

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

### AFTER EACH USE OF THE SPA

**Add 18g of Spa Shock #8** Add straight into the spas water and run jet 1 for 5 minutes to mix it in.

### ONCE A WEEK

#### **Clean the filters.**

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 and wash them thoroughly and allow them to completely dry out in an area exposed to the sun or wind.

It is recommended to have spare filters to rotate when cleaning the filters each week.

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.**

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# Aqua Pulse Spas

## LORNE CLASSIC SPA HOW TO 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.

### Spa Shock #8

Regardless of if the spa has been used or not used **Add 18g** once a week of **Spa Shock #8** Add straight into the water and run jet 1 for 5 minutes to mix it in.

**FREE CHLORINE / GRANULAR CHLORINE** ideal reading is anywhere between 0-3ppm.

Each week you test the free chlorine / granular chlorine it should be reading 0ppm this is normal.

**IF YOUR READING IS 1PPM OR HIGHER  
DO NOT ADD ANY MORE GRANULAR CHLORINE UNTIL NEXT WEEK.**

If your reading is **0ppm** raise the free chlorine / granular chlorine by adding **38g** of **Granular Chlorine**. Use a bucket and scoop some of the spas water into the bucket until it is roughly  $\frac{3}{4}$  full, then add the granular chlorine to the bucket of water and lightly stir (avoid contact with your skin), after 30 seconds pour the water from the bucket into the spa and run jet 1 for 5 minutes.

Do not put any of the chlorine granules left in the bucket into the spa they need to be thrown out.

The granules are coated in chlorine and it is just the chlorine coating we want to apply to the water.

Chlorine granules will damage your spas acrylic and parts, which will void their warranty.

**Note: GRANULAR CHLORINE IS COROSIVE.** Be careful not to contact the spas acrylic, cabinet, head rests or hardcover with the chlorine as it will cause damage. We recommend you remove the spas headrest prior to using the granular chlorine and replace them the next day to avoid discolouration.

**TOTAL ALKALINITY** ideal reading is between 80-120ppm.

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

21g will raise the Total Alkalinity by approximately 10ppm.

Do not use more than 42g in one day if you are making the adjustment from a 3 in 1 test strip reading.

Accurate pool or spa store readings can apply the recommended dose in one day, test strips reading need to be retested between doses.

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**.

21g will lower the Total Alkalinity by approximately 10ppm.

Do not use more than 36g in one day if you are making the adjustment from a 3 in 1 test strip reading.

Accurate pool or spa store readings can apply the recommended dose in one day, test strips reading need to be retested between doses.

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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# Aqua Pulse Spas

## LORNE CLASSIC SPA HOW TO BALANCE THE WATER

**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.**

21g will raise the pH by approximately 10ppm. (10ppm = 1.0 from the reading)

Example reading is 7ppm and I want to get close to 7.6ppm

$7.6\text{ppm} - 7\text{ppm} = 0.6\text{ppm} \times 21\text{g} = 12.6\text{g}$  to apply

Do not use more than 42g in one day if you are making the adjustment from a 3 in 1 test strip reading.

Accurate pool or spa store readings can apply the recommended dose in one day, test strips reading need to be retested between doses.

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.**

21g will lower the pH by approximately 10ppm. (10ppm = 1.0 from the reading)

Example reading is 8ppm and I want to get close to 7.6ppm

$8\text{ppm} - 7.6\text{ppm} = 0.4\text{ppm} \times 21\text{g} = 8.4\text{g}$  to apply

Do not use more than 36g in one day if you are making the adjustment from a 3 in 1 test strip reading.

Accurate pool or spa store readings can apply the recommended dose in one day, test strips reading need to be retested between doses.

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.

**CALCIUM HARDNESS** ideal reading is between 250-400ppm.

If your reading is lower than 250ppm raise the Calcium Hardness by adding

**Hardness Raiser #11.**

12g will raise the Calcium Hardness by approximately 10ppm.

**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.

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.

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# Aqua Pulse Spas

## **LORNE CLASSIC SPA INSTRUCTIONS YOU MUST FOLLOW TO PROTECT YOUR SPAS WARRANTY**

The prescriptions provided here are based on using Pool Pro branded chemicals only other branded chemicals will require different prescriptions which we cannot help you with. You do need to be careful if you use another brand chemical as the title on the label might say the same thing as the Pool Pro label but the contents of the product can be totally different and you could cause damage to your spa accidentally.

### **THE FOLLOWING CHEMICALS CANNOT BE USED IN YOUR SPA**

Bromine

Liquid chlorine

Hydrochloric acid

Hydrogen peroxide

Polyhexamethylene biguanide

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 Chlorine 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 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.

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 must be kept as a reference, the water chemistry test history will be required in the event of a warranty claim. It is a requirement of the Warranty Terms to keep a printed monthly water test result of the water chemistry from a professional pool or spa store. Your warranty will be made void if you cannot show the results of monthly water chemistry history printed from a recognisable professional pool or spa store.

The chemical amounts in how to balance the water are only a guide for the average spa user who uses the spa once or twice a week. If your spa is more heavily used and you are struggling with cloudy water, you will need to increase the amount of Granular Chlorine you apply.

You can use a **MAXIMUM DOSE RATE OF 9.6G OF GRANULAR CHLORINE A DAY** make sure you follow the weekly instructions for free chlorine / granular chlorine every time you use any amount of granular chlorine. Do not overdose the granular chlorine, you will damage your spa. If the cloudy water persist you will need to take a water sample to a pool or spa store to resolve the issue.

Power supplied to your spa must be supplied as per our instructions in your spa's user manual. Failure to connect your spa as per these instructions or the use of an extension lead will void your spas warranty.

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# Aqua Pulse Spas

## **EVERY 4 MONTHS**

Replace the Nature 2 Stick.

Place the new **Nature 2 Stick** on the spas leaf catcher inside the filter box.

Dispose of the two smaller yellow sticks inside the box and just use the larger section of the Nature 2 Stick.

With the supplied cable tie, attach the nature 2 stick to the leaf catcher to prevent it from falling into the spas plumbing.

## **EVERY 6 MONTHS DRAIN THE WATER**

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

An empty spa on a hot day will cause melting, crazing, discolouration and blistering in the spa's acrylic and fittings. This can happen within minutes of the spa being emptied. Your warranty does not cover melting, crazing, discolouration and blistering in the spa's acrylic and fittings, so it is very important that you drain the spa at night-time and refill your spa the same night.

To drain your spa remove the filters, leaf tray and Nature 2 Stick, 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 1Kg of **Spa Pipe Flusher #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.

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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