



# AQUASPA™

BY LO-CHLOR

## USER GUIDE



THE REVOLUTIONARY CHLORINE AND BROMINE FREE SYSTEM  
FOR SPAS, HOT TUBS AND SWIM SPAS

**Welcome to the world of**

**AQUASPA™**  
**BY LO-CHLOR**

**Chlorine and Bromine free  
Spas, hot tubs and swim spas**

For more information on the AQUASPA™ range  
please visit our website

[www.aquaspa.com.au](http://www.aquaspa.com.au)

# AQUASPA™ USER GUIDE

## Chlorine and bromine free system for spas, swim spas and hot tubs

CONGRATULATIONS for selecting the AQUASPA™ chlorine and bromine free sanitising system.

AQUASPA™ is a proven system that is gentle for bathers without any odour or effects associated with chlorine and bromine treatments. AQUASPA™ is a wholly owned Australian product manufactured in Australia.

We are sure you and your family will enhance your spa experience with the addition of AQUASPA™ to your spa.

By following the simple instructions in this user guide you will soon be enjoying chlorine and bromine free bathing.

## AQUASPA™ RANGE



AQUASPA™  
CALCIUM ENHANCER



AQUASPA™ INSTANT  
FILTER KLENZ



AQUASPA™  
SPA SHOCK



AQUASPA™  
pH REDUCER



AQUASPA™  
ANTI-FOAM



AQUASPA™  
SPA SANITISER



AQUASPA™  
PIPE KLENZ



AQUASPA™  
ALKALINITY ENHANCER



AQUASPA™  
SPA KLEER



AQUASPA™  
CHLORINE REMOVER

## SPA MAINTENANCE OVERVIEW

A spa represents a great investment in your health, lifestyle and enjoyment. This section is designed to give you a better understanding of the key areas that affect your spa, water quality and sanitiser effectiveness.

### WATER BALANCE

Water balance refers to the pH, Total Alkalinity and Calcium Hardness level of the spa water. These act together and have an effect on water quality, equipment and your sanitiser. They should be checked and maintained in accordance with the spa manufacturer's instructions. Generally, water is regarded as either balanced, corrosive or scaling.

Balanced water refers to water whereby the correct pH, Total Alkalinity and Calcium Hardness levels are achieved.

Corrosive water usually refers to water with a low pH that is acidic. This will shorten the life of equipment in your spa and may also make water uncomfortable for bathers either in aggressive fuming or skin irritation.

Scaling water refers to water where the pH is generally too high and can lead to cloudy water and calcium deposits forming in pipes and around equipment.

### SANITISER

The primary purpose of a sanitiser is to kill potentially harmful bacteria in your spa. Heated water provides a fertile environment for bacteria to thrive in, and your sanitiser is your defence against infections.

Always dose accordingly and never use your spa without an effective sanitiser.

## FILTRATION

There is no system that alone can provide sparkling water. It must be used in conjunction with effective filtration. Your filters remove oxidised organic debris and suspended matter from the spa, providing clear, sparkling water. Your filtration system should be run in accordance with manufacturer's recommendations to ensure optimum clarity, however it may need to be increased to compensate for higher bather loads etc. A cartridge will only hold a certain amount of debris, before flow rates and filter effectiveness will diminish. Clean your cartridges & replace after 9,000hrs use.

## TREAT A NEW SPA, SWIM SPA OR HOT TUB WITH AQUASPA™

Congratulations on purchasing your own spa, swim spa or hot tub. You and your family will enjoy countless hours of fun, relaxation and therapeutic benefits. Treating your new spa or swim spa with the AQUASPA™ chlorine and bromine free system is an easy process that will get you in your spa as quickly as possible!

1. Fill spa, swim spa or hot tub. Leave cover off.
2. Check pH, Alkalinity and Calcium Hardness level. The ideal level of pH is between 7.4-7.6. The ideal level of Alkalinity is between 125 - 150ppm and the ideal level of Calcium Hardness is between 200-275ppm.
  - Use AQUASPA™ ALKALINITY ENHANCER or AQUASPA™ pH REDUCER to necessary, to adjust pH and Alkalinity.
  - See full testing
  - Use AQUASPA™ CALCIUM ENHANCER to increase Calcium if necessary.
3. Add AQUASPA™ CHLORINE REMOVER at 50ml per 1,000 ltrs. Run filter pump only for 30 minutes.
4. Add AQUASPA™ SPA SANITISER at 60ml per 1,000 ltrs. Run filter pump only for 1 hour.
5. Add AQUASPA™ SPA SHOCK at 20g per 1,000 ltrs. Run filter pump only for 30 minutes.
6. Add AQUASPA™ SPA KLEER at 60ml per 1,000 ltrs. Run filter pump only for 30 minutes.
7. Run filter pump for a minimum of 6 hours, or until water is clear.
8. After 24 hours remove filter cartridge and clean.

## IMPORTANT NOTES

- More is NOT BETTER - DO NOT OVERDOSE.
- When adding chemicals, run filter pump only.
- A light brown foam around the waterline may occur, depending on the quality of the source water. This is a normal reaction as the Shock oxidizes water impurities. Simply wipe off with soft cloth.
- AQUASPA™ is NOT compatible with chlorine or bromine based products. Always remove cover when adding chemicals and LEAVE UNCOVERED FOR AT LEAST HALF AN HOUR to allow spa to 'breathe'.

## CONVERT AN EXISTING SPA, SWIM SPA OR HOT TUB TO AQUASPA™

Converting an existing spa to the AQUASPA™ system is an easy process. Soon we'll have you enjoying the benefits of no chlorine odour, and a sanitising system that is gentle on both you and your pocket! By following the simple steps below you'll soon be back in your spa.

1. Remove cover from spa, swim spa or hot tub.
2. Remove filter cartridges and thoroughly clean using AQUASPA™ INSTANT FILTER KLENZ.
3. Add AQUASPA™ PIPE KLENZ at 250ml per 1000 ltrs, and then run pump for 2 hours and drain and flush.
  - See label for full instructions.
4. Scoop foam residue from spa, drain spa then thoroughly wipe spa with soft cloth drain and flush.
5. Refill spa through filter box with fresh water. Reinstall filter cartridges.
6. Check pH, Alkalinity and Calcium Hardness level. The ideal level of pH is between 7.4 - 7.6. The ideal Alkalinity is between 125 - 150ppm and the ideal level of Calcium Hardness is between 200 - 275ppm.
  - Use AQUASPA™ ALKALINITY ENHANCER or AQUASPA™ pH REDUCER if necessary, to adjust pH and Alkalinity. See full testing
  - Use AQUASPA™ CALCIUM ENHANCER to increase Calcium if necessary.
7. Add AQUASPA™ SPA SHOCK at 50gms per 1,000 ltrs. Run filtration pump only for 1 hour.
8. Add AQUASPA™ CHLORINE REMOVER at 50ml per 1,000 ltrs. Run filter pump only for 30 minutes.

9. Add AQUASPA™ SPA SANITISER at 60ml per 1,000 ltrs. Run filtration pump only for 30 minutes.
10. Add AQUASPA™ SPA KLEAR at 60ml per 1,000 ltrs. Run filtration pump only for 30 minutes.
11. Run filter pump for at least 6 hours or until water is clear.
12. After 24 hours, remove filter cartridge and clean.

## IMPORTANT NOTES

- More is NOT BETTER - DO NOT OVERDOSE.
- When adding chemicals, run filter pump only.
- A light brown foam around the waterline may occur, depending on the quality of the source water. This is a normal reaction as the Shock oxidizes water impurities. Simply wipe off with soft cloth.
- AQUASPA™ is NOT compatible with chlorine or bromine based products. DO NOT ADD THESE.
- Remove cover when adding chemicals and leave uncovered FOR AT LEAST HALF AN HOUR to allow spa to 'breathe'.

## MAINTAIN A SPA, SWIM SPA OR HOT TUB WITH AQUASPA™

Maintaining a AQUASPA™ spa, swim spa, or hot tub is a simple, easy 3 STEP process.

- When adding chemicals run filter pump only. Add chemicals 30 minutes apart.

STEP 1: Add AQUASPA™ SPA SANITISER once per week at 60ml per 1,000 ltrs.

STEP 2: Add AQUASPA™ SPA KLEER once per week at 60ml per 1,000 ltrs.

STEP 3: Add AQUASPA™ SPA SHOCK once per week at 20gms per 1,000 ltrs.

- Add AQUASPA™ SPA SHOCK at 20 gms per 1,000 ltrs after each use for optimum water clarity. Use AQUASPA™ INSTANT FILTER KLENZ to clean filter cartridges once per week OR after heavy bathing loads
  - If people drink alcohol in the spa they significantly increase the amount of perspiration and body fats in the spa. These body fats are trapped in the filter cartridge until it becomes clogged and then cloudy water will result. For optimum water clarity filter cartridges should be cleaned afterwards. The ideal level of pH is between 7.4 - 7.6. The ideal level of Alkalinity is between 125 - 150ppm and the ideal level of Calcium Hardness is between 200 - 275ppm. Use AQUASPA™ ALKALINITY ENHANCER to increase pH. Use AQUASPA™ pH REDUCER to decrease pH.
- When adjusting pH it is better to use HALF RECOMMENDED DOSE at a time, rechecking after 1 hour. Use AQUASPA™ ENHANCER to increase Calcium.

## IMPORTANT NOTES

- More is NOT BETTER - DO NOT OVERDOSE.
- When adding chemicals, run filter pump only.
- A light brown foam around the waterline may occur, depending on the quality of the source water. This is a normal reaction as the Shock oxidizes water impurities. Simply wipe off with soft cloth.
- AQUASPA™ is NOT compatible with chlorine or bromine based products. DO NOT ADD THESE to spa.
- Always remove cover when adding chemicals and LEAVE UNCOVERED FOR AT LEAST HALF AN HOUR.
- Spas should be allowed to breathe daily for half an hour with cover removed
- Spas should be drained at least ONCE A YEAR and more often with higher bather loads, using AQUASPA™ PIPE KLENZ used to clean oils and body fats from pipe work.

## TROUBLE SHOOTING - CLOUDY WATER

Cloudy water can be caused by one of 4 issues:

1. Incorrect water balance.
  - CHECK AND ADJUST pH TO BETWEEN 7.4 - 7.6
  - CHECK AND ADJUST ALKALINITY TO BETWEEN 125 - 150PPM.
2. Incorrect dosing of AQUASPA™ SPA SANITISER and AQUASPA™ SPA KLEER. Either too much or too little can cause cloudy water.
  - TEST SANITISER LEVEL. (15PPM) IF SPA HAS BEEN OVERDOSED, REMOVE 1/3RD OF WATER AND DILUTE WITH FRESH WATER, THEN RETEST.
3. Blocked filter cartridges.
  - REMOVE FILTER CARTRIDGES AND CLEAN WITH AQUASPA™ INSTANT FILTER KLENZ.
  - SHOCK DOSE SPA WITH DOUBLE DOSE OF AQUASPA™ SPA SHOCK AND OPERATE FILTER FOR 2 HOURS.
4. Build up of body fats in pipe work.
  - USE AQUASPA™ PIPE KLENZ TO CLEAN INTERIOR PIPE WORK.
  - RUN FOR 2 HOURS, DRAIN AND FLUSH SPA, THEN THOROUGHLY CLEAN.

## FOAMING

Foaming is usually caused by either incorrect water balance or an excess build up of body fats in the filter or pipe work.

- ADD ONE CAP OF AQUASPA™ ANTI FOAM TO STOP FOAMING.
- This, however, will only mask the problem and not eliminate it. Further steps to correct problem
- CLEAN FILTER CARTRIDGE USING AQUASPA™ INSTANT FILTER KLENZ.
- IF FOAMING PERSISTS, USE AQUASPA™ PIPE KLENZ DRAIN AND REFILL SPA.

## OFFENSIVE ODOUR

A strong chemical or offensive odour is usually caused either by a low pH, overdosing with Sanitiser, or the presence of body fats. Check and adjust pH, and dilute spa with fresh water if necessary. Body fats can be treated by a dose of AQUASPA™ SPA SHOCK. Change with fresh water if necessary.

## AQUASPA™ TESTING PROCEDURE

Water should be checked when spa is first filled and weekly thereafter.

The test kit tests for biguanide AQUASPA™ Spa Sanitiser) and pH.

- To increase sanitiser level add AQUASPA™ SPA SANITISER - Sanitiser level should be 15-20ppm.
- To increase pH use AQUASPA™ ALKALINITY ENHANCER. pH level should be between 7.4 and 7.6.
- Do not add more than 40gms per 1000 ltrs at a time of Alkalinity Enhancer.
- To decrease pH use AQUASPA™ pH REDUCER.
- To increase Total Alkalinity, add AQUASPA™ ALKALINITY ENHANCER. Alkalinity should be 125 - 150ppm
- Do not add more than 40gms per 1000 ltrs at a time of Alkalinity Enhancer.
- To increase Calcium Hardness level add AQUASPA™ CALCIUM ENHANCER.
- Calcium Hardness should be between 200 - 275 ppm.

For technical assistance with the entire AQUASPA™ range of chemicals please phone our friendly help desk on 1-800 64 POOL (7665) or email us at [info@lochlor.com.au](mailto:info@lochlor.com.au).

For more information on the AQUASPA™ range go to [www.aquaspa.com.au](http://www.aquaspa.com.au)

## LARGER SIZES AVAILABLE

The 3 core products in the Aquaspa™ Range are essential for you to enjoy a chlorine free experience in your spa, hot tub or swim spa. With this in mind we are pleased to offer these in larger sizes as outlined below.

**AQUASPA™ SPA SANITISER** - the heart of the AQUASPA™ chlorine free range, the AQUASPA™ SPA SANITISER provides ongoing protection against harmful bacteria in your spa. Add weekly to ensure correct levels are kept. Available sizes 500mls, 2.5L and 5L.

**AQUASPA™ SPA KLEER** - is a unique clarifier that works in harmony with AQUASPA™ SPA SANITISER to provide exceptional water clarity. It is also added at a weekly dose and is available in 500mls, 2.5L and 5L bottles.

**AQUASPA™ SPA SHOCK** - is a powerful non chlorine oxidiser that helps burn out impurities and body fats. Add weekly and after bather use. Available in 500g and 1Kg bottles.



For more information on the AQUASPA™ range please visit our website

[www.aquaspa.com.au](http://www.aquaspa.com.au)

# Chloë McCardel

## WORLD RECORD MARATHON SWIMMER AND ENDORSER OF LO-CHLOR PRODUCTS

Australian marathon swimmer Chloë McCardel successfully completed the world record 124km swim in the Bahamas in 2014 to become the holder of the longest open-water solo continuous swim in history.

Chloë is a huge fan of Lo-Chlor's chlorine free range after successfully swimming 16 hours in a swim spa to complete another historical world record in January 2014 at the Melbourne Pool & Spa Expo.

Chloë McCardel is proud to be ambassador and partner to Lo-Chlor Chemicals and endorses its range of chlorine free solutions.

CHECK OUT CHLOË & HER LATEST NEWS AT  
[WWW.CHLOEMCCARDEL.COM](http://WWW.CHLOEMCCARDEL.COM)

