

Chemical Treatment Chlorine (Lithium Hypochlorite) System

To ensure that the spa water is safe and is not harmful to equipment, there are certain things we need to measure and maintain at the recommended levels. We also need to maintain our spa cleanliness.

We recommend the following two chemical treatment and maintenance systems for your spa

Chlorine (Lithium Hypochlorite) System – A Guide Only

The use of Bromine is NOT RECOMMENDED due to its potential corrosive effect on some spa equipment if not managed. ALWAYS keep chemicals out of reach of others, children & animals. ALWAYS follow manufacturer's instructions.

Chlorine (Lithium Hypochlorite) is a sanitiser. It is used to sanitise the water in the spa so that it is safe for the user. It kills bacteria and acts very quickly. The ideal Chlorine level for a portable spa is 2 – 4ppm.

Total Alkalinity aids in the control of the pH level by minimising its fluctuation. The ideal Total Alkalinity level for a spa is 150 to 200ppm

pH is a measure of the acidity and alkalinity of the spa water. The ideal pH level for a portable spa is 7.2 – 8.0.



Calcium Hardness is generally only a problem in water sourced from Mount Gambier, Rain water, Bore water & River water. Water from these sources either have very high or low levels of hardness. The ideal calcium hardness level for a portable spa is 100 – 200ppm. To test the levels you will need to use the 5 in 1 Test Strips.

Initial Treatment

- ADD 1 tablespoon of Lithium (ADD 2 tablespoons for Swim Spas)
- ADD 1 level cap of Spa Start & Balance (ADD 5 level caps for Swim Spas)
- Test water with Test Strips (adjust if required)

Before Each Use (30 minutes before entry)

- Test water with Test Strips
- **If Chlorine level is low ...**
- ADD 2 teaspoons of Lithium (ADD 1 tablespoon for Swim Spas)
- Turn on spa pumps to circulate water
- Retest with Test Strips (repeat if required)

After Each Use (after getting out)

- ADD 1 tablespoon of Lithium per person (ADD 2 tablespoons for Swim Spas)
- Turn on spa pumps to circulate water

Weekly

- Turn spa OFF
- Remove filter cartridges and hose down under pressure to remove any build up
- Shock dose with 2 tablespoons of Lithium (ADD 4 tablespoons for Swim Spas)
- Test water with Test Strips
- **If Chlorine level is low ...**
- ADD 1 tablespoon of Lithium (ADD 2 tablespoons for Swim Spas)
- Check water level and top up if required
- Replace filter cartridges
- Turn spa ON

If you use your spa often and keep it at a high temperature you may need to increase the amount of Lithium....
Use Often/Test Often

Monthly

- Turn spa OFF
- Remove filter cartridges and hose down under pressure to remove any build up
- Soak filter cartridges in Cartridge Cleaner
- Shock dose with 2 tablespoons of Lithium (ADD 4 tablespoons for Swim Spas)
- Test water with Test Strips
- **If Chlorine level is low ...**
- ADD 1 tablespoon of Lithium (ADD 2 tablespoons for Swim Spas)
- Check water level and top up if required
- Hose down filter cartridges under pressure once soaking is complete and replace
- Turn spa ON

Quarterly

- Turn spa OFF
- Remove front cabinet panel and check for any leaks from equipment. Tighten barrel unions on pumps
- Replace cabinet panel
- Remove filter cartridges and hose down under pressure to remove any build up
- Soak filter cartridges in Cartridge Cleaner
- Drain all of the spa water (drain 30% of spa water for Swim Spas)
- Clean acrylic spa shell and remove any grit from floor of spa
- Remove, clean and replace headrests
- Fill spa to a level just covering top jets
- Hose down filter cartridges under pressure once soaking is complete and replace
- Turn spa ON
- Complete Initial Chemical Treatment (Swim Spas test levels and adjust as required)

Other Water Treatment Products

- Flat n Foam (Chlorine systems only)
- If water becomes foamy add to spa water