



For Inground & Portable Spas



Are you using the best products to care for your spa?

The **SPA FRESH** System is the complete spa care and maintenance program.

The advantage of the **SPA FRESH** System is that it contains no chlorine or bromine and is great for asthmatics and people with sensitive skin. In fact, there is no need to shower or bath after using your spa.

Hot spa water requires special treatment to avoid it becoming a breeding ground for bacteria and germs.

All spas need the following basic maintenance.

1. Regularly managed balancing of the pH, total alkalinity and calcium hardness levels of the spa water.
2. Regular dosage of a bactericide to clarify and sanitise the recirculated water by effectively killing bacteria. This will result in clear spa water.
3. Regular cleaning of the spa filter cartridge/s, to eliminate build-up and prevent clogging of the element pores.
4. Periodic cleaning and scouring of the spa pipes with a degreaser strong enough to eliminate accumulated body fats and organic waste.

The **SPA FRESH** System is a simple 3 Step Program and requires fewer chemicals.



Step ONE

Clear the Water

Generally water supplied by water authorities contains chlorine. The amount varies, often dependant upon the water table level and local conditions, however chlorine will be there. Other organic and inorganic matter is also present in many cases.

SPA FRESH brand - **Shock** - chlorine free oxidiser is used to oxidise or “burn up” these contaminants and leave the water free of chlorine and ready to balance and then sanitise.

It is important to always allow at least 4 hours of filtering time between adding the **SPA FRESH Shock** and adding another chemical. If this is not done, the **SPA FRESH Shock** will simply oxidise whatever has been added to the water and it will be wasted.

SPA FRESH SHOCK– Spa/Pool Oxidiser

SPA FRESH Shock is recommended when initially starting up your new spa and also for weekly maintenance. Dosage rates are 60grams/1000 litre with new water and 30grams/1000 litre as a maintenance level. Premix the chemical, pour into the spa and, with the spa cover removed filter for 4 hours. **SPA FRESH Shock** is a chlorine free oxidiser ideal for the regular cleaning and maintenance of spas as well as those in need of a quick clean up. Excessive organic material in spa water causes cloudiness and an odour. **SPA FRESH Shock** will rapidly burn up the organic material.



Step TWO

Adjust & Balance the Water

For bather comfort, the efficient use of chemicals and the protection of spa equipment, it is important to balance the water. While this can sound complicated and does use terms we are not all familiar with, it is in reality very simple.



There are basically three elements that need to be balanced – pH, Total Alkalinity, and Calcium Hardness. **SPA FRESH 4 Way Test Strips** should be used as a simple test for the levels of each of these, as well as **SPA FRESH Sanitiser** (which of course should be zero until the initial dose is added).

pH is a measurement of the water which determines whether the water is acidic (like vinegar) or alkaline (like caustic soda or bleach) or somewhere in between. On a scale which runs between 0 (acidic) and 14 (alkaline) neutral is 7.

Human skin prefers an environment close to neutral pH level.

Chemicals work most efficiently in water that is closer to neutral pH levels. **SPA FRESH Sanitiser** works efficiently at 7.0 - 7.8 pH.

This makes **SPA FRESH** very acceptable to our skin and maintaining pH in this band also protects the spa equipment.





Total Alkalinity is measured in 'parts per million' or ppm. In other words, the total parts of total alkalinity per million parts of water. The recommended level for total alkalinity is between 80ppm – 120ppm. It is acceptable to allow this to get up to 160ppm. When alkalinity is below 80 ppm, the water will probably be cloudy and will often feel a bit slimy. Human skin reduces total alkalinity in the water which is why it is necessary to check regularly.

Calcium Hardness, once again measured in ppm, it is important that the calcium levels are neither too low nor too high. High calcium levels produces water that is described as hard. This tends to 'calcify' surfaces. Low calcium levels will cause water to be cloudy and will also potentially damage spa equipment. Ideal levels are 100 – 200 ppm and levels below 50 or above 200 ppm are unacceptable.

Rain water normally has no calcium, whereas bore water is generally high in calcium. It is recommended that calcium level is adjusted up to at least

30 ppm before attempting to adjust pH and Alkalinity, then complete the raising of Calcium Hardness level.

SPA FRESH BRAND WATER ADJUSTERS

a) SPA FRESH Spa Cal Up will increase low water hardness preventing etching, pitting and corrosion of spa pool surfaces and metallic components. It is important to test the hardness level of the spa water. This can be done using your water testing unit or Test Strips.

Note: Level recommended in spas is 100 – 200ppm.

DOSE RATES

Spa Size	Spa Cal Up	PPM Rise
1,000 litre	10 grams	10ppm

If **SPA FRESH Spa Cal Up** is required, mix into a bucket of water following safety procedures.

Do not add directly to spa water as staining or scaling may occur with some spa surfaces.





IMPORTANT

Add **SPA FRESH Spa Cal Up** in one third doses, followed by at least 30 minutes of filtration time between each additional application. (Preferably allow a day between each addition). With the filter running, slowly pour diluted product in to the spa in front of the spa return. This is done to allow even distribution through the spa water. Leave the filter running for at least 30 minutes after application.

Test level after several hours. Correct levels will prolong life of filtration and filtering equipment.

b) SPA FRESH Alkalinity & pH Increaser

It is important to maintain balance of pH and total alkalinity in your spa. Balanced water protects your equipment and enables bactericides to perform at maximum effectiveness. For best results use **SPA FRESH 4 Way Test Strip** to determine if **SPA FRESH Alkalinity & pH Increaser** is required to raise pH and alkalinity or if **SPA FRESH pH Down** is needed to bring the pH down.

Use both products sparingly to avoid overshooting in either direction.

SPA FRESH Alkalinity & pH Increaser

has been formulated to protect heat exchangers from the damaging effects of scale and corrosion.

- Test alkalinity & pH by using **SPA FRESH 4 Way Test Strips**
- Maintain alkalinity at 80 - 120 ppm and pH at 7.2 - 7.6
- Using the label, determine the correct amount of Alkalinity & pH Increaser required. Scoop up container of spa water and add the required dosage of **SPA FRESH Alkalinity & pH Increaser**
- Dissolve SPA FRESH Alkalinity & pH Increaser completely in the bucket & pour back into spa.
- Re-check pH & alkalinity using Test Strips.
- Repeat process if needed to attain correct level.



Balanced water improves filter performance. Check pH, alkalinity & calcium hardness levels at least once a week.

c) SPA FRESH pH Down is used to lower the pH level of the spa pool water to a desired level. If **SPA FRESH pH Down** is required, mix recommended amount, no more than 50 grams at a time, into a bucket of water, following safety instructions. Do not add directly to spa water as staining may occur.

Never add more than 100 grams/1000 litres in a 24 hour period.

With filter running, slowly pour diluted product into spa directly in front of spa returns. This is done to allow even distribution through spa water. Leave spa cover off and filter for at least 30 minutes after adding. Test pH level and if necessary repeat above directions.





Step THREE

Sanitise the Water

Clearing the water (Step 1) and balancing the water (Step 2) are both done to prepare the water for the hero event – Sanitising the water to kill the bacteria and make the water safe and healthy.

SPA FRESH™ - Sanitiser - spa conditioner, clarifier, bactericide

SPA FRESH Sanitiser uses hydrogen peroxide to oxidise the bacteria and organic materials in the spa water. It is totally safe and does not leave you smelling of chlorine when you leave the spa. **SPA FRESH Sanitiser** is allergy free and is gentle on the skin compared with other sanitisers. Another benefit is that **SPA FRESH Sanitiser** is environmentally friendly and biodegradable. **SPA FRESH Sanitiser** cleans and conditions the spa in one action. The spa conditioner prevents the build-up of organic slime on the spa walls and seats. Available in 5 or 15 litre packs, **SPA FRESH Sanitiser** will help keep your spa water clear and

odour free.

Heat spa water to desired temperature (generally between 26 – 36 degrees C.) Add **SPA FRESH Sanitiser** – at the rate of 1 litre per 1000 litre of water. Your spa is now ready for your enjoyment.

Remember to run filter for approximately 4 hours per day and after each use.



Spa MAINTENANCE ~ Estimated Weekly Chemical Dose Rate



WEEKLY MAINTENANCE CHART

SPA USAGE	STEP 1 SHOCK	STEP 2 BALANCE WATER	STEP 3 SANITISE WATER			
			SPA FRESH SANITISER (Conditioner, Clarifier & Bactericide)	IF USING OZONE OR NATURE 2 WITH SPA FRESH	USING SPA FRESH PEROXIDE TEST STRIPS	
HIGH USE 2 – 4 PEOPLE EVERYDAY	ADD 30g/1000L FILTER FOR 4hrs BEFORE ADDING OTHER PRODUCTS	CHECK EVERY WEEK pH LEVEL Ideal level pH 7.2 - 7.6 If low pH add SPA FRESH pH & ALKALINITY UP	ADD 750mL/1000L (PER WEEK)	ADD 550 - 650mL PER 1000L (PER WEEK)	SPA SHOULD BE MAINTAINED AT 100ppm OF SPA SANITISER DO NOT ALLOW TO DROP BELOW 40ppm	
AVERAGE USE 2-4 PEOPLE 2-3 TIMES/WEEK	EVERY 2 WEEKS ADD 30g/1000L FILTER FOR 4hrs BEFORE ADDING OTHER PRODUCTS	If high pH add SPA FRESH pH DOWN ALKALINITY Ideal level 80 - 120ppm If higher to reduce pH level dump 1/3 of water & refill CALCIUM HARDNESS Ideal level 100 - 200ppm If low add SPA FRESH CAL UP If high check TDS levels	ADD 500mL/1000L (PER WEEK) (2 MEASURE JUGS)	ADD 375 - 400mL PER 1000L (PER WEEK)	IF TEST IS SHOWING PPM	ADD SPA SANITISER mL/100L
					100ppm	NIL CHECK AGAIN IN 2 DAYS
					100ppm	0ml
					60ppm	270ml
					40ppm	400ml
					20ppm	570ml
					10ppm	650ml
					0ppm	1000ml

Leave cover off while Spa Shock is in use. After heavier than normal use – add Spa Shock, filter for 4hrs, check balance of water and when O.K. recharge Spa Fresh Spa Sanitiser level. Clean filter cartridges regularly with Spa Fresh Filter Cleaner only. NEVER clean filters using products containing chlorine. If algae are present, treat water with Algicide as directed.



REGULAR MAINTENANCE

The **SPA FRESH Test Strip** is simple to use and indicates if there is a sufficient amount of **SPA FRESH Sanitiser** in your spa Water. The **SPA FRESH Test Strip** will let you know if you need to add more **SPA FRESH Sanitiser**. Simply remove the strip from the vial, swirl in the spa water in a circular motion for 3 turns then line up with the scale on the side of the vial to read the level of hydrogen peroxide present in the water. Ideal level is 100 ppm or above. NEVER allow the level to drop below 40 ppm. See the maintenance chart for addition rates to replenish the sanitizer to correct levels

SPA FRESH Filter Scrub

Some body fats cannot be removed from your filter cartridge simply by hosing it down. Just as cold water alone doesn't remove fat and grease from a frying pan, cold water will not remove all the fats in the filter. **SPA FRESH Filter Scrub** cleans and degreases your filter cartridges by oxidising -

burning up the fats – without harming the filter cartridge. Regular use of **SPA FRESH Filter Scrub** (every 1-2 weeks) will prevent cloudy, smelly spa water and prolong the life of the filter cartridge.

SPA FRESH Liquid Clarifier

Very occasionally, when a lot of bathers have been using the spa and perhaps debris has been carried into the spa, it may be necessary to Clarify the water to assist in clearing and restoring its natural sparkle. Should this be necessary, use one capful of **SPA FRESH Liquid Clarifier** per 1000 litres of spa water, circulate for 1 hour and then filter for 2 hours.





WHEN TO DUMP WATER

Total Dissolved Solids - (T.D.S.)

No matter how well the water has been managed, it will eventually reach a stage where the water becomes saturated with dissolved solids. This can vary with spa use, bather hygiene, water type, water management and surrounding environment. Anywhere from 6 weeks to 16 weeks is common. Spa manufacturers recommend that water be dumped once the T.D.S measurement reaches 1000 – 1500 ppm.

Cleaning the pipes before dumping

Always degrease the pipes before dumping water.

SPA FRESH Spa Pipe Degreaser is ideal for cleaning water pipes around spas removing body fats, algae, shed skin and hair which accumulate in the spa pipes after spa use. Always use **SPA FRESH Spa Pipe Degreaser** just before dumping the spa water.

First remove the filter cartridge. Then add 50mls of **SPA FRESH Spa Pipe Degreaser** to every 1000 litre of spa water. Avoid overdosing as using too much **SPA FRESH Spa Pipe Degreaser** may result in foaming.

Turn blower on and off several times to flush softened fats from the pipes, then circulate water for between 30 – 60 minutes depending on the amount of debris build-up in the pipes. Dump water and hose out jets.

Note: If you have an in ground spa, always leave $\frac{1}{4}$ of the water in the bottom (only remove $\frac{3}{4}$ of the water) this will prevent the spa from popping out of the ground.

When the spa is empty wipe the inside of the spa with **SPA FRESH Spa Pipe Degreaser** on a cloth and rinse spa thoroughly to remove all traces of degreaser prior to refilling.

