

# SPA POOLS

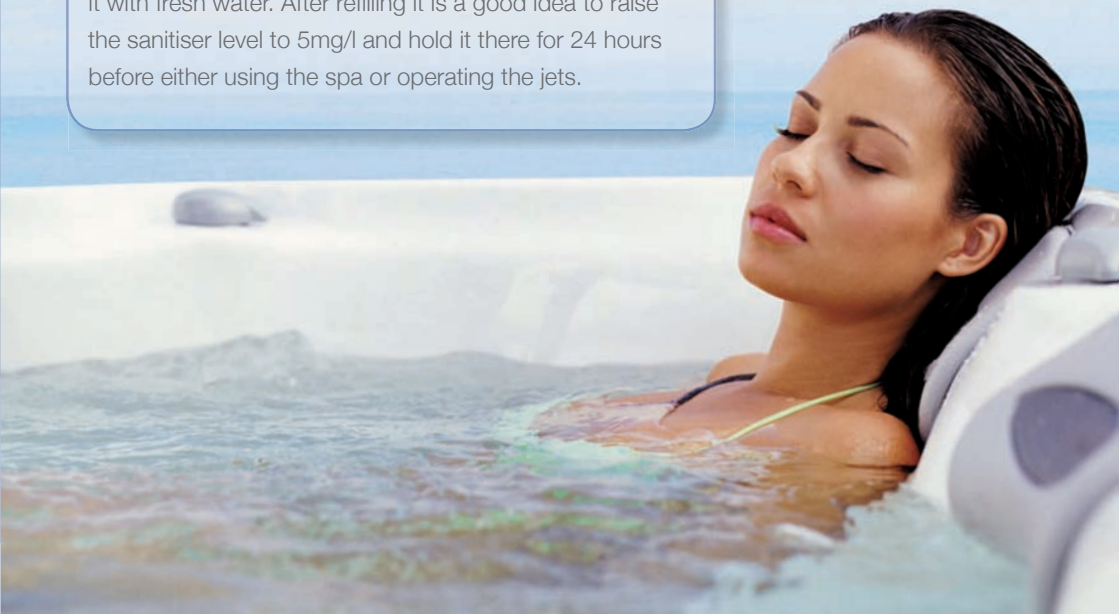
By carrying out some simple tests, following some basic guidelines and using the Fi-Clor range of products, your spa will give you many years of relaxing enjoyment.

## Why chemicals?

Chemicals are necessary for a number of reasons: to kill bacteria that may otherwise lead to cross infection, to keep the water comfortable for those using the spa and to keep it crystal clear and inviting.

## Draining & refilling

Your spa supplier will fill the spa and chemically treat it on installation. Periodically, every 2–3 months depending on usage, it will be necessary to drain your spa and refill it with fresh water. After refilling it is a good idea to raise the sanitiser level to 5mg/l and hold it there for 24 hours before either using the spa or operating the jets.



# Troubleshooting Guide 14: SPA POOLS

## Routine chemical treatment

Test the spa water at frequent intervals - at least daily for privately owned spas and every few hours for spas open to the public - using test strips or a test kit. Knowing the volume of your spa, treat as necessary in accordance with the guidelines below (mg/l is the same as ppm):

Test	Normal operating levels	Dose rates
Free Chlorine	3 – 5mg/l	To increase add <b>Fi-Clor Spa Chlorine Granules</b> . To raise the chlorine level by 1mg/l (ppm), dose at a rate of 2g per 1m <sup>3</sup> (220 gallons). Add 10g to raise the chlorine by 5mg/l.
Total Bromine	4 – 6mg/l	Add <b>Fi-Clor Spa Bromine Tablets</b> as required.
pH	7.2 – 7.6	To increase add <b>Fi-Clor Spa pH Increaser</b> at a rate of 10g per 1m <sup>3</sup> (220 gallons). This will raise the pH by approx 0.2. To decrease add <b>Fi-Clor Spa pH &amp; Alkalinity Reducer</b> at a rate of 10g per 1m <sup>3</sup> (220 gallons). This will lower the pH by approx 0.2.
Total Alkalinity	100 – 200mg/l	To decrease add <b>Fi-Clor Spa pH &amp; Alkalinity Reducer</b> at a rate of 10g per 1m <sup>3</sup> (220 gallons). This will lower the alkalinity by approximately 10 – 20mg/l. To increase add <b>Fi-Clor Spa Alkalinity Increaser</b> at a rate of 30g per 1m <sup>3</sup> (220 gallons). This will increase the alkalinity by approximately 10 - 20mg/l.
Calcium Hardness	175mg/l +	To increase add <b>Fi-Clor Spa Hardness Increaser</b> at a rate of 10g per 1m <sup>3</sup> (220 gallons).
Temperature max.	39°C	

## Spa problem solving chart

Problem	Cause	Solution
Eye and/or skin irritation	A high level of organic pollution	Shock dose with <b>Fi-Clor Spa Non-Chlorine Shock</b> or <b>Fi-Clor Oxy-Brite® Spa</b>
	The pH is outside acceptable range	pH over 7.6 - reduce with <b>Fi-Clor Spa pH &amp; Alkalinity Reducer</b>  pH below 7.2 - raise with <b>Fi-Clor Spa pH Increaser</b>
	Sensitivity to chlorine/bromine	Sanitise your spa with the <b>Fi-Clor Spa Active Oxygen</b> system consisting of tablets and liquid - a gentle alternative to chlorine or bromine.
Foaming	Build up of contaminants – body oils and/or cosmetics	Treat with <b>Fi-Clor Spa Anti-Foam</b> Shock dose regularly with <b>Fi-Clor Oxy-Brite® Spa</b>
Smells	Build up of organic pollution	Shock dose with <b>Fi-Clor Spa Non-Chlorine Shock</b> or <b>Fi-Clor Oxy-Brite® Spa</b>
Staining on the shell and coloured water	High concentration of metals in the water	Treat with <b>Fi-Clor Spa Anti-Scale</b> or take a sample to your local approved Fi-Clor dealer for analysis
Grease along the waterline	Dirt and sunscreen in the water	Clean with <b>Fi-Clor Spa Surface Cleaner</b>
Cloudy water	Low sanitiser level	Test regularly and maintain between 3 - 5mg/l (Chlorine) / 4 - 6mg/l (Bromine)
	Ineffective filtration	Check cartridge filter and either clean using <b>Fi-Clor Spa Cartridge Cleaner</b> or replace. If installed, backwash the sand filter regularly.
	Build up of dissolved solids	Treat with <b>Fi-Clor Spa Water Clarifier</b> to aid filtration Drain spa and refill with fresh water every 2 months.
Excessive scaling	Water out of balance	Take a sample to your local approved Fi-Clor Dealer for analysis. Use <b>Fi-Clor Spa Anti-Scale</b> when refilling

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Your Fi-Clor Dealer

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