



TECHNICAL INFORMATION

MANAGING YOUR POOL

It is extremely important to regularly monitor and test the pool water to ensure proper disinfection. Good management should include the following and achieving their desired values:

pH, Aquabrite, Copper and Total Alkalinity.

More information on the Desired Values are provided with the following pages.

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ITEM DESCRIPTOINS and DESIRED VALUES	
pH 7.2 . . . Maximum of 7.4	6.8 - 7.0 For Fibreglass or Paint
Only correct the pH 24 hours after the TA,(as below) is balanced.	
Add 500g {maximum per day} of dry acid mixed in a plastic watering can, to the surface of the pool with the filter pump running.	
Check the pH the following day (a false reading may be obtained if done on the same day) Fill the large tube with pool water to the pH line.	
Add 1 drop of solution (antichlor) #4, swirl to mix.	
Add 5 drops of solution (phenyl red) #2, again, swirl to mix.	
Read the pH by comparing the colour in the tube against scale of colours representing pH adjacent to the tube.	
AQUABRITE . . Pink	2+ppm
Use the small test tube, fill to the top.	
Add a DPD #1 tablet and shake to dissolve, then leave for 15 minutes before reading the colour against the chlorine scale (reacts faster with warmer water at spa water temperature.)	
Colour should be pink, not yellow or colourless. If colour is less than 2 (on the chlorine scale) then add a 1 Kg pack of AQUABRITE to each 50,000L of pool water.	
COPPER TEST . . . Yellow	0.6 ppm
This test is normally only required once a month.	
Collect a sample of pool water in the empty tube of the Aquamatics Copper Test Kit provided.	
Add 10 drops of copper reagent.	
Leave for two(2) minutes before reading the colour.	
Check the colour - must not be darker than the highest reading on the colour card in the Test Kit.	
Should the colour be darker than the highest reading on the colour card, the pool is being over-ionised and the ionic water purifier should be turned off until the copper reading drops to within the normal operating range.	
Measure the copper every week until the system settles down. Generally, operate the ionic Water Purifier for 1 Hr per day for every 10,000L of water in the pool.	
TOTAL ALKALINITY (TA)	80 - 100 ppm
This is a measurement of bicarbonate, (TA), in parts per million (ppm)	
Collect a sample of pool water in the larger test tube and fill to lower line marked on tube.	
Add 2 drops of blue dye marked #1, then add dropwise the clear solution marked #3, counting the number of drops it takes until the blue colour disappears.	
Note: 8 - 10 drops indicates 80 to 100 ppm.	
For every drop short of 12 drops, add 1kg of bicarbonate (maximum per day) slowly through the skimmer box.	

SUMMARY OF TEST RESULTS

There can be no compromise to ensure water quality. The Aquabrite System achieves the highest standard of disinfection as the following summary of results comparing chlorine to Aquabrite illustrates.

Bacteria Strain	Time Elapsed (minutes)	Bacteria Left Alive with Chlorine (1.2ppm) with Aquabrite	
E.Coli	2	54,000 / 100ml	< 100 / 100ml
	16	10,000 / 100ml	< 2 / 100ml
P.Aeruginosa	2	79,000 / 100ml	< 100 / 100ml
	16	10,000 / 100ml	< 2 / 100ml
Raw Sewage	2	2,400 / ml	< 120 / ml
	8	650 / ml	< 4 / ml

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