

CHLORINATION of a PUBLIC POOL and SPA POOL: CHEMICAL PARAMETERS								
TYPE OF POOL	Minimum Free Cl₂ (mg/L)	Total Cl₂ (mg/L)	Combined Cl₂ (Chloramines)	pH	Alkalinity (mg/L as CaCO₃)	Isocyanuric Acid (mg/L)	Ozone (mg/L)	ORP
Outdoor	1.0	<10.0	<1.0	7.0 – 7.8	80 - 200	N/A	0.0	720 mV
Outdoor pH > 7.6	2.0	<10.0	<1.0	7.0 – 7.8	80 - 200	N/A	0.0	720 mV
Outdoor stabilised with isocyanuric acid	3.0	<10.0	N/A	7.0 – 7.8	80 - 200	< 50	0.0	720 mV
Outdoor stabilised with isocyanuric acid (pH > 7.6)	4.0	<10.0	N/A	7.0 – 7.8	80 - 200	<50	0.0	720 mV
Indoor	2.0	<10.0	<1.0	7.0 – 7.8	80 - 200	N/A	0.0	720 mV
Indoor (pH > 7.6)	3.0	<10.0	<1.0	7.0 – 7.8	80 - 200	N/A	0.0	720 mV
Spa	2.0	<10.0	<1.0	7.0 – 7.8	80 - 200	N/A	0.0	720 mV
Spa (pH > 7.6)	3.0	<10.0	<1.0	7.0 – 7.8	80 - 200	N/A	0.0	720 mV

BROMINATION of a PUBLIC POOL and POOL SPA: CHEMICAL PARAMETERS					
TYPE OF POOL	Minimum Br₂ (mg/L)	Maximum Br₂ (mg/L)	pH	Alkalinity (mg/L as CaCO₃)	ORP
Outdoor	2.25	9	7.2 – 8.0	80 - 200	700 mV
Indoor	4.5	9	7.2 – 8.0	80 - 200	700 mV
Spa	4.5	9	7.2 – 8.0	80 - 200	700 mV

LOG AND TESTING REQUIREMENTS

DISINFECTION PARAMETERS

Metered continuous system: Chlorine/ bromine and pH must be tested manually once each day before the pool is opened for use.

Automated system: Chlorine/ bromine and pH must be recorded (from machine) before opening the pool and then once during the period the pool is in use. In addition, the pool must also be tested manually once through the day.

Peak bathing load: it is advisable that the testing frequency be increased for: increased bathing load; increased outdoor temperature; shallower pool depth; and longer hours of operation etc.

CHEMICAL PARAMETERS

Alkalinity: must be tested daily if bromine and calcium hypochlorite (granular chlorine) are used in the disinfection process. Tested monthly if sodium hypochlorite (liquid chlorine) is used in the disinfection process.

Ozone: If used in the disinfection process, ozone must not be present in the pool, but levels must be tested once per week.

Cyanuric Acid: If used in the disinfection process, must be tested once per week.

RECORDS

Must be made and kept for at least 6 months of the results of any testing required