

## WATER BALANCE PARAMETERS

### WATER BALANCE PARAMETERS FOR SWIMMING POOLS IN MARYLAND

<u>PARAMETER</u>	<u>MINIMUM</u>	<u>IDEAL RANGE</u>	<u>MAXIMUM</u>
Free Chlorine	1.5 ppm	2.0 ppm – 3.0 ppm	10.0 ppm
Combined Chlorine	0.0 ppm	None	0.2 ppm
Bromine	3.0 ppm	3.0 ppm – 5.0 ppm	8.0 ppm
Ph	7.2	7.4 – 7.6	7.8
Total Alkalinity	60 ppm	80 ppm – 120 ppm	180 ppm
Calcium Hardness	150 ppm	200 ppm – 400 ppm	400 ppm
Total Dissolved Solids	300 ppm	N/A	1500 ppm
Cyanuric Acid (if used)	30 ppm	40 ppm- 50 ppm	100 ppm
Temperature	Swimming Pools		88°F

### WATER BALANCE PARAMETERS FOR SPAS IN MARYLAND

<u>PARAMETER</u>	<u>MINIMUM</u>	<u>IDEAL RANGE</u>	<u>MAXIMUM</u>
Free Chlorine	4.0 ppm	4.0 ppm – 5.0 ppm	10.0 ppm
Combined Chlorine	0.0 ppm	None	0.2 ppm
Bromine	4.0 ppm	4.0 ppm – 6.0 ppm	8.0 ppm
Ph	7.2	7.4 – 7.6	7.8
Total Alkalinity	60 ppm	80 ppm – 120 ppm	180 ppm
Calcium Hardness	150 ppm	150 ppm – 250 ppm	400 ppm
Total Dissolved Solids	300 ppm	N/A	1500 ppm
Cyanuric Acid (if used)	30 ppm	40 ppm- 50 ppm	100 ppm
Temperature	Spas		104°F

### WATER BALANCE PARAMETERS FOR WADING POOLS AND THERAPY POOLS IN MARYLAND

<u>PARAMETER</u>	<u>MINIMUM</u>	<u>IDEAL RANGE</u>	<u>MAXIMUM</u>
Free Chlorine	3.0 ppm	3.0 ppm – 5.0 ppm	10.0 ppm
Combined Chlorine	0.0 ppm	None	0.2 ppm
Bromine	4.0 ppm	4.0 ppm – 6.0 ppm	8.0 ppm
Ph	7.2	7.4 – 7.6	7.8
Total Alkalinity	60 ppm	80 ppm – 120 ppm	180 ppm
Calcium Hardness	150 ppm	200 ppm – 400 ppm	400 ppm
Total Dissolved Solids	300 ppm	N/A	1500 ppm
Cyanuric Acid (if used)	30 ppm	40 ppm- 50 ppm	100 ppm
Temperature	Wading Pools		88°F
	Therapy Pools		96°F