

## IDEAL RANGES

CHEMICAL	AMOUNT	CHEMICAL	AMOUNT
Free Chlorine	1.0 - 3.0 ppm	pH	7.2 – 7.8
Combined Chlorine	0.00 - 0.05 ppm	Calcium Hardness	200 – 350 ppm *
Total Chlorine	1.0 - 3.0 ppm	Stabilizer (Cyanuric Acid)	30 – 70 ppm
**With Waterpurification	0.6 – 1.0 ppm	Salt Level (Zodiac)	3000 – 3900 ppm
Bromine	3.0 – 5.0 ppm	Copper	0.00 – 0.03 ppm
Alkalinity	80 - 120 ppm	Iron	0.00

SANITIZERS		WATER-BALANCING		SPECIALTY	
Unstabilized Granular Chlorine (HTH Extra)	11.5	Alkajuster	8.5	Algaecide 40-60%	6.5
Unstabilized Liquid Chlorine	12.5	HyCal	7.4	Algaecide 5-10%	7.0
Stabilized Granular Chlorine	6.0	pH Up	11.3	Clarifier	7.0
Stabilized Chlorine Tablets	3.0	pH Down	1.4	Stain & Scale Control	5.0
Bromine Tablets	4.5	Stabilizer	4.5	Vinyl Tile & Liner Cleaner	10.5
				Filter Cleaner	1.6
				Pool Line Anti-Freeze	8.5
				Oxidizer	2.3

## IMPORTANT TIPS!

When doing a series of adjustments, make sure to adjust pH levels first, then alkalinity.

Calcium Levels should be on the higher end in Concrete Pools.

Calcium Levels should be on the lower end in Salt Pools.

Always add the chemical to the water, never the water to the chemical.

## MAKING CHEMICAL ADJUSTMENTS

CHEMICAL	TO INCREASE	TO DECREASE
Chlorine	Unstabilized Granular or Liquid Chlorine	Dilute the pool water. Keep the pool surface exposed to allow burn-off
Alkalinity	Alkajuster	Dilute the pool water
pH	pH Up	pH Down
Calcium	HyCal	Dilute the pool water
Salt	Add Salt	Dilute the pool water
Copper/Iron	N/A	If Stain Erase doesn't work: -Dilute the pool water -Stain and Scale Control -Natural Chemistry Products
Bromine	Bromine Tablets Oxidizer	Dilute the pool water