

Table 1
Optimum Water Chemistry

ITEM	RECOMMENDED LEVEL
Salt	3400 to 4000 ppm
Free Chlorine	1.0 to 4.0 ppm
pH	7.2 to 7.6
Total Alkalinity	80 to 120 ppm
Calcium Hardness	150 to 300 ppm
Cyanuric Acid	80 ppm
Metals	0 ppm

Salt Level

Refer to table 2 to determine how much salt should be added to your pool for proper performance. Use the equation below to determine the gallons or liters of water in your pool.

How to Calculate Pool Size

Pool Type	Gallons	Liters
Rectangular	Length (ft.) x Width (ft.) x Average Depth (ft.) x 7.5	Length (m) x Width (m) x Average Depth (m) x 1000
Round	Diameter (ft.) x Diameter (ft.) x Average Depth (ft.) x 5.9	Diameter (m) x Diameter (m) x Average Depth (m) x 785
Oval	Length(ft.) x Width(ft.) x Average Depth (ft.) x 6.7	Length (m) x Width (m) x Average Depth (m) x 840

The optimum salt level is between 3600 and 4000ppm. The salt level can easily be checked using test strips commonly sold at your local pool store. If the salt level is low, use Table 2 to determine how much salt must be added to achieve the desired level.

On Table 2 first locate on the top row the gallonage of your pool. Then look in the first column marked current salt level and find your current salt level. Follow that row over to where it intersects with your pool gallon column. The number in that box shows the number of pounds of salt you must add in order to achieve the ideal salinity.

Remember that the only way that your pool will lose salt is if:

- You backwash your filter • Splash out • Overfill the pool • Drain the pool

Type of Salt to Use

It is imperative that you use only sodium chloride (NaCl) that is 99% pure. This is commonly available at most reputable pool stores or home centers in 50lbs bags. Do not use rock salt, salt with more than 1% yellow prussiate of soda, salt with more than 1% anti caking additives. DO NOT USE IODIZED SALT.

Adding Salt

Turn pool filter on and add salt directly to the pool. Use a brush to dissolve and disperse salt throughout pool. A pool vacuum or robotic pool cleaner will serve the same purposes. Run the pump for the next 24 hours using the main drain for suction. If no main drain is available, use the pool vacuum. Do not add salt through your skimmer; add directly into pool and brush to dissolve.

Removing Salt

The only way to remove salt or lower salinity is to drain water off and fill with fresh water.