

Adding Salt to Your Pool or Spa

- Only use approved pool grade salt that is specifically labelled for swimming pool and spa use
- Salt must be greater than 99% pure
- Do not use rock salt, salt with yellow prussiate of soda, salt with anti-caking additives or iodised salt
- Add salt to pool as far as possible from filtration suction points
- Where applicable, close main drain valve before adding salt and leave closed until salt has completely dissolved
- Remove any suction cleaners from pool until salt has completely dissolved

Whether new or old, do not assume a pool or spa full of water has zero salinity. A substantial amount of salt may be present in the water if the pool was previously treated with liquid chlorine, or if the pool was filled by a water source containing salt. Depending on the geographical area, tap water can have a measurable salinity level.

It is important to test the water first before calculating the initial salt dosage or you may over-salt the pool water. Use table below to calculate the amount of water required to bring the salinity level. You will need to know your current salinity level, and the pool volume in litres.

Current Salt Level (ppm)	Pool Volume (Litres)									
	10,000	20,000	30,000	40,000	50,000	60,000	70,000	80,000	90,000	100,000
0	30 kg	60 KG	90 kg	120 kg	150 kg	180 kg	210 kg	240 kg	270 kg	300 kg
250	28 kg	55 KG	83 kg	110 kg	138 kg	165 kg	193 kg	220 kg	248 kg	275 kg
500	25 kg	50 KG	75 kg	100 kg	125 kg	150 kg	175 kg	200 kg	225 kg	250 kg
750	23 kg	45 KG	68 kg	90 kg	113 kg	135 kg	158 kg	180 kg	203 kg	225 kg
1000	20 kg	40 KG	60 kg	80 kg	100 kg	120 kg	140 kg	160 kg	180 kg	200 kg
1250	18 kg	35 KG	53 kg	70 kg	88 kg	105 kg	123 kg	140 kg	158 kg	175 kg
1500	15 kg	30 KG	45 kg	60 kg	75 kg	90 kg	105 kg	120 kg	135 kg	150 kg
1750	13 kg	25 KG	38 kg	50 kg	63 kg	75 kg	88 kg	100 kg	113 kg	125 kg
2000	10 kg	20 KG	30 kg	40 kg	50 kg	60 kg	70 kg	80 kg	90 kg	100 kg
2250	8 kg	15 KG	23 kg	30 kg	38 kg	45 kg	53 kg	60 kg	68 kg	75 kg
2500	5 kg	10 KG	15 kg	20 kg	25 kg	30 kg	35 kg	40 kg	45 kg	50 kg
2750	3 kg	5 KG	8 kg	10 kg	13 kg	15 kg	18 kg	20 kg	23 kg	25 kg
3000	IDEAL	IDEAL	IDEAL	IDEAL	IDEAL	IDEAL	IDEAL	IDEAL	IDEAL	IDEAL
3250	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3500	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH
3750+	DILUTE	DILUTE	DILUTE	DILUTE	DILUTE	DILUTE	DILUTE	DILUTE	DILUTE	DILUTE

*Use of this table for spas will require some simple division i.e. for a 1000 litre spa, divide the salt required in the 10,000 litre column by 10.

The ideal salt level for ALL Pool Lab chlorinators EXCEPT the PL ECO is 3000ppm (absolute maximum is 5000ppm).

The PLECO requires a salt level of 5600ppm – multiply salt required in the table by 1.85 to attain 5600ppm (absolute maximum is 7600ppm).

Please Note: Although salt chlorinator diagnostics will advise when to add salt you must always perform a salt test with a salinity meter to determine exact salt requirement before adding. Salinity levels higher than the absolute maximum will cause the chlorinator to stop producing chlorine in order to protect the power supply and cell from damage.

Operation at near to ideal salinity will maximise cell life, self-cleaning efficiency, and chlorine output. Pools with a salt level at or near absolute maximum should be diluted immediately to prevent damage to the cell.

In cases where water temperature is continually maintained above 35°C the ideal salt level is effectively reduced by approximately 500ppm.