



## Watermaid Pool Salt Calculator - US Gallons

New or Re-filled Pool - Pounds (lb) of salt Required to attain desired level (up to 6000 PPM) from zero salt-level																			
Required Salt Level	Pool Volume (US Gallons)																		
	PPM	4,000	6,000	8,000	10,000	12,000	14,000	16,000	18,000	20,000	22,000	24,000	26,000	28,000	30,000	32,000	34,000	36,000	38,000
500	17	25	33	42	50	58	67	75	83	92	100	109	117	125	134	142	150	159	167
1000	33	50	67	83	100	117	134	150	167	184	200	217	234	250	267	284	300	317	334
1500	50	75	100	125	150	175	200	225	250	275	300	326	351	376	401	426	451	476	501
2000	67	100	134	167	200	234	267	300	334	367	401	434	467	501	534	568	601	634	668
2500	83	125	167	209	250	292	334	376	417	459	501	543	584	626	668	709	751	793	835
3000	100	150	200	250	300	351	401	451	501	551	601	651	701	751	801	851	901	952	1,002
3500	117	175	234	292	351	409	467	526	584	643	701	760	818	876	935	993	1,052	1,110	1,169
4000	134	200	267	334	401	467	534	601	668	735	801	868	935	1,002	1,068	1,135	1,202	1,269	1,335
4500	150	225	300	376	451	526	601	676	751	826	901	977	1,052	1,127	1,202	1,277	1,352	1,427	1,502
5000	167	250	334	417	501	584	668	751	835	918	1,002	1,085	1,169	1,252	1,335	1,419	1,502	1,586	1,669
5500	184	275	367	459	551	643	735	826	918	1,010	1,102	1,194	1,285	1,377	1,469	1,561	1,653	1,744	1,836
6000	200	300	401	501	601	701	801	901	1,002	1,102	1,202	1,302	1,402	1,502	1,603	1,703	1,803	1,903	2,003

Increasing Salt Levels From a Known Value- Pounds (lb) of salt required to increase salt-level to 6000 PPM																			
Current Salt Level	Pool Volume (US Gallons)																		
	PPM	4,000	6,000	8,000	10,000	12,000	14,000	16,000	18,000	20,000	22,000	24,000	26,000	28,000	30,000	32,000	34,000	36,000	38,000
500	184	275	367	459	551	643	735	826	918	1,010	1,102	1,194	1,285	1,377	1,469	1,561	1,653	1,744	1,836
1000	167	250	334	417	501	584	668	751	835	918	1,002	1,085	1,169	1,252	1,335	1,419	1,502	1,586	1,669
1500	150	225	300	376	451	526	601	676	751	826	901	977	1,052	1,127	1,202	1,277	1,352	1,427	1,502
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2500	117	175	234	292	351	409	467	526	584	643	701	760	818	876	935	993	1,052	1,110	1,169
3000	100	150	200	250	300	351	401	451	501	551	601	651	701	751	801	851	901	952	1,002
3500	83	125	167	209	250	292	334	376	417	459	501	543	584	626	668	709	751	793	835
4000	67	100	134	167	200	234	267	300	334	367	401	434	467	501	534	568	601	634	668
4500	50	75	100	125	150	175	200	225	250	275	300	326	351	376	401	426	451	476	501
5000	33	50	67	83	100	117	134	150	167	184	200	217	234	250	267	284	300	317	334
5500	17	25	33	42	50	58	67	75	83	92	100	109	117	125	134	142	150	159	167

Increasing Salt Levels From a Known Value- Pounds (lb) of salt required to increase salt-level to 4000 PPM																			
Current Salt Level	Pool Volume (US Gallons)																		
	PPM	4,000	6,000	8,000	10,000	12,000	14,000	16,000	18,000	20,000	22,000	24,000	26,000	28,000	30,000	32,000	34,000	36,000	38,000
500	117	175	234	292	351	409	467	526	584	643	701	760	818	876	935	993	1,052	1,110	1,169
1000	100	150	200	250	300	351	401	451	501	551	601	651	701	751	801	851	901	952	1,002
1500	83	125	167	209	250	292	334	376	417	459	501	543	584	626	668	709	751	793	835
2000	67	100	134	167	200	234	267	300	334	367	401	434	467	501	534	568	601	634	668
2500	50	75	100	125	150	175	200	225	250	275	300	326	351	376	401	426	451	476	501
3000	33	50	67	83	100	117	134	150	167	184	200	217	234	250	267	284	300	317	334
3500	17	25	33	42	50	58	67	75	83	92	100	109	117	125	134	142	150	159	167

**Calculating Required Salt-level based on Pool Volume in US Gallons**

2.205 lb in 264.172 US Gallons of water raises the salt level by 1,000 ppm

1000 Litres = 264.172 US Gallons

1 Kg = 2.205 Pounds (lb)

$(2.205/264.172)/1000 = 8.3468$

Salt Needed (lb) = (Required Salt Level / 1,000,000) x Pool Volume x ((2.205 / 264.172) x 1000)  
or

Salt Needed (lb) = Pool Volume (gal) x (Required Salt Level / 1,000,000) x 8.3468

**Converting Cubic Feet (cu ft) to US Gallons (US gal)**

1 Cubic Foot = 7.481 US Gallons

If Pool size = 30 ft Long x 15 ft Wide x Average Depth of 4 ft, Volume = (30 X 15 X 4) x 7.481 = **13,466 US Gallons**

**Recommended Salt-level for Watermaid Cells**

**6000 PPM** - QT300, XT300, EZ300, VTR300

**4000 PPM** - QT400 & XT400

**1500 PPM** - RP13

**Sea Water** - QT100