Mineral Crystals



New pool start up and retrofit dosage chart

Use the below chart to calculate the correct quantity of Pool salt and Mineral Crystals to start up a new pool or convert an existing salt pool in to a mineral crystal pool.

Salt Chlorinator Range	2000 Salinity ppm						
Reduce Sodium Chloride to convert to:	1500 ppm						
Pool Size (L)	10,000	20,000	30,000	40,000	50,000	80,000	100,000
ADD Mineral Crystal (kg)	10	20	30	40	50	80	100
Concentration of magnesium chloride – ppm	500	500	500	500	500	500	500

Salt Chlorinator Range	3000 Salinity ppm						
Reduce Sodium Chloride to convert to:	2300 ppm						
Pool Size (L)	10,000	20,000	30,000	40,000	50,000	80,000	100,000
ADD Mineral Crystal (kg)	15	30	40	60	70	120	140
Concentration of magnesium chloride – ppm	700	700	700	700	700	700	700

Salt Chlorinator Range	4000 Salinity ppm						
Reduce Sodium Chloride to convert to:	3000 ppm						
Pool Size (L)	10,000	20,000	30,000	40,000	50,000	80,000	100,000
ADD Mineral Crystal (kg)	20	40	60	80	100	160	210
Concentration of magnesium chloride - ppm	1000	1000	1000	1000	1000	1000	1000

Salt Chlorinator Range	5000 Salinity ppm						
Reduce Sodium Chloride to convert to:	3800 ppm						
Pool Size (L)	10,000	20,000	30,000	40,000	50,000	80,000	100,000
ADD Mineral Crystal (kg)	25	50	80	100	120	200	250
Concentration of magnesium chloride - ppm	1200	1200	1200	1200	1200	1200	1200

Salt Chlorinator Range	5500 Salinity ppm						
Reduce Sodium Chloride to convert to:	4200 ppm						
Pool Size (L)	10,000	20,000	30,000	40,000	50,000	80,000	100,000
ADD Mineral Crystal (kg)	30	50	80	110	140	210	270
Concentration of magnesium chloride – ppm	1300	1300	1300	1300	1300	1300	1300

Salt Chlorinator Range	6000 Salinity ppm						
Reduce Sodium Chloride to convert to:	4600 ppm						
Pool Size (L)	10,000	20,000	30,000	40,000	50,000	80,000	100,000
ADD Mineral Crystal (kg)	30	60	90	120	150	230	290
Concentration of magnesium chloride - ppm	1400	1400	1400	1400	1400	1400	1400

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Mineral Crystals



Mineral Crystal Dosage Chart

Refer the below chart to calculate the correct quantity of Mineral Crystals to increase the Magnesium and Magnesium Hardness level in pool water.

Pool Size (L)	10,000	20,000	30,000	40,000	50,000	80,000	100,000
ADD Mineral Crystals (kg)	2	4	6	8	10	16	20
Magnesium Increase	25ppm	25ppm	25ppm	25ppm	25ppm	25ppm	25ppm
Magnesium Hardness increase	100ppm	100ppm	100ppm	100ppm	100ppm	100ppm	100ppm

Refer the below chart to select the correct levels of Magnesium Hardness for the salinity range chlorinator

Salinity Range expressed as ppm	Magnesium Hardness Level (ppm)		
Mineral Pool Salts (Chlorinator Range)	Min	Target	Max
Mineral Salts Pool (Salinity Range 1000-2000)	260	470	520
Mineral Salts Pool (Salinity Range 2000-3000)	520	650	700
Mineral Salts Pool (Salinity Range 3000)	650	650	700
Mineral Salts Pool (Salinity Range 3000-3500)	750	850	900
Mineral Salts Pool (Salinity Range 3000-4000)	750	900	1000
Mineral Salts Pool (Salinity Range 4000-5000)	1000	1100	1200
Mineral Salts Pool (Salinity Range 4000-6000)	1000	1300	1400
Mineral Salts Pool (Salinity Range 5000-6000)	1300	1300	1500
Mineral Salts Pool (Salinity Range 6000-7500)	1500	1600	1800

Note: the above dosage rates are a guide only and a complete water analysis should be conducted after the addition of Mineral Crystals.

Quantities have been rounded to simplify calculations for the user.

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