



## MAGNAPOOL™ WATER TEST PARAMETERS

When testing a MagnaPool, all general parameters remain the same as per the Langelier Index for water chemistry and Australian Standards such as chlorine levels, pH level, Total Alk, metals etc. However MagnaPool has some factors that must be considered when conducting the water test; such as salinity readings, TDS and hardness levels (calcium and total hardness).

*ALL MEASUREMENTS PPM	FREE CHLORINE*	pH	TOTAL ALKALINITY*	CALCIUM HARDNESS*	CYANURIC ACID*	IDEAL SALINITY LEVEL*
IDEAL FOR MAGNAPOOL	1 - 3	7.2 - 7.6	80 - 120	200 - 400	30 - 50	4,000ppm Salt 5,000ppm TDS
TO INCREASE	Press Boost	Add Soda Ash (use <b>pH UP</b> )	Add Sodium Bicarbonate (Use <b>Alkalinity UP</b> )	Add Calcium Chloride (use <b>Calcium UP</b> )	Add CYA (use <b>UV Blockout</b> )	Add MagnaPool Minerals
TO DECREASE	N/A	Add acid (use <b>pH DOWN</b> or <b>Liquid Acid</b> )	Add acid (use <b>pH DOWN</b> or <b>Liquid Acid</b> )	Partially drain/refill (or use <b>Calcium Down</b> )	Partially drain/refill	Partially drain/refill

## IMPORTANT INFORMATION

- When performing a **Calcium Hardness test**, ensure it is a **TRUE** Calcium Hardness test. Many readers perform a total hardness test and interpret the results as calcium. If your Calcium Hardness appears to be too high, this could be the reason. If the pool has been balanced for hardness (calcium at 200-400ppm) prior to addition of MagnaPool Minerals, then as an estimate calcium hardness will be 30% of the total hardness. E.g if total hardness is 800ppm, then Calcium is approximately 240ppm (within range)
  - » Zodiac has a specific test kit to test for magnesium hardness, calcium hardness and total hardness and it is only available to pool shops. We recommend using this test kit when checking these levels. (these will be available early 2015).
  - » For MagnaPool owners there will be a easy to use magnesium test strip for home use, but we recommend visiting your pool shop to check your hardness levels at least once per season
- Magnesium Chloride is very hygroscopic, which means it does not dissolve the same as traditional salts. i.e for every 10kg bag of MagnaPool Minerals added only 9kg will show as salinity. When adding MagnaPool Minerals, please follow the dosage charts on the flip side of this card.
  - » If you are trying to determine the actual salinity of the pool use this simple conversion method - **To convert TDS** levels to Salt, multiply the TDS result by a factor of 0.68. e.g. if TDS is 6000ppm. Salt =  $6000 \times 0.68 = 4020\text{ppm}$

## SOME COMMON THINGS TO WATCH FOR:

***There is foam appearing when I add the minerals.***

This is supposed to happen and is part of the hydroxination process.

***There is no sanitizer after I have added minerals.***

The minerals require time to establish themselves in the water. The sanitizer levels will return to normal within a day or 2. Recommend pressing Boost to increase the sanitizer levels.

Please see back of card for calculating mineral levels

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# Correct MagnaPool™ Mineral Levels



## START UP FOR NEW POOLS ONLY

At installation of a **new MagnaPool** it is necessary to use a slightly higher qty of minerals than is required for maintenance. This is to charge the system from the start and all subsequent mineral levels are as specified below for maintaining the perfect MagnaPool.

Pool Size	10,000L	20,000L	30,000L	40,000L	50,000L	60,000L	70,000L	80,000L	90,000L	100,000L
Bags reqd	6	12	18	24	30	36	42	48	54	60



## MAINTENANCE USING SALINITY AS YOUR MEASUREMENT

If your **current Salinity** measurement is as shown in the first column add the amount of MagnaPool Mineral bags according to your pool size. This will bring your MagnaPool Minerals up to the correct level.

Salinity	10,000L	20,000L	30,000L	40,000L	50,000L	60,000L	70,000L	80,000L	90,000L	100,000L
0 ppm	5	9	14	19	24	28	33	38	42	47
500 ppm	4	8	12	16	21	25	29	33	37	41
1000 ppm	4	7	11	14	18	21	25	28	32	35
1500 ppm	3	6	9	12	15	18	21	24	26	29
2000 ppm	2	5	7	9	12	14	16	19	21	24
2500 ppm	2	4	5	7	9	11	12	14	16	18
3000 ppm	1	2	4	5	6	7	8	9	11	12
3500 ppm	1	1	2	2	3	4	4	5	5	6



## MAINTENANCE USING TDS AS YOUR MEASUREMENT

If your **current TDS** measurement is as shown in the first column add the amount of MagnaPool Mineral bags according to your pool size. This will bring your MagnaPool Minerals up to the correct level.

TDS	10,000L	20,000L	30,000L	40,000L	50,000L	60,000L	70,000L	80,000L	90,000L	100,000L
500 ppm	4	8	13	17	21	25	30	34	38	42
1000 ppm	4	8	11	15	19	23	26	30	34	38
1500 ppm	3	7	10	13	16	20	23	26	30	33
2000 ppm	3	6	8	11	14	17	20	23	25	28
2500 ppm	2	5	7	9	12	14	16	19	21	24
3000 ppm	2	4	6	8	9	11	13	15	17	19
3500 ppm	1	3	4	6	7	8	10	11	13	14
4000 ppm	1	2	3	4	5	6	7	8	8	9
4500 ppm	0	1	1	2	2	3	3	4	4	5