IMPORTANT, READ THIS FIRST!!!
Before installing your MagnaPool® read this sheet thoroughly. It contains vital information for the correct set up of the MagnaPool® System

MagnaPool® System Installation Guide

Things to do before adding minerals

There are some critical factors to be aware of when installing and setting up a MagnaPool® in order for optimal performance and the greatest swimming experience. Please ensure that the following steps are followed:

1. **For New installations**
   - Install all products as per the instruction manuals ie: pump, filter, hydroxinator etc
   - We recommend using the pH Perfect Acid Feeder. When installing make your pH set point 7.5

2. **Setting up the media filter**
   - Use the supplied plastic cover to stop media entering the central lateral and add enough water to cover the laterals before adding the glass media
   - Fill roughly 1/3 of the filter with Zodiac Coarse Glass to cover the laterals. The remainder of the filter needs to be filled with Zodiac Fine Glass to roughly 100 - 150mm from the top.

3. **Fill and balance the pool**
   - After filling the pool with "tap" water it is important that you balance the water. This will involve ensuring that all levels are within normal ranges.
   - Perform your regular start up procedures whether concrete or fibreglass.
   - For concrete pools allow the water and the walls to settle as per your normal procedures

This pre-start up phase is critical to ensuring trouble free installation and easy ongoing maintenance of the MagnaPool®

A. **Pay particular attention to your calcium hardness if it is a concrete pool at the balancing stage before adding any minerals. Ensure your calcium levels are between 150-400ppm. If your pool is fibreglass then the calcium should be set at manufacturers recommended levels.**
B. **Ensure your alkalinity level is around 100ppm and that your pH is stable between 7.2 - 7.6 for concrete pools or if fibreglass please abide by manufacturers specifications (usually 7.0 - 7.2)**

Chemistry before adding MagnaPool® Minerals

*All measurements PPM	Free Chlorine*	pH	Total Alkalinity*	Calcium Hardness
Ideal For MagnaPool®	1+	7.2 - 7.6 Conc 7.0 - 7.2 F'Glass^	80 - 120	150 - 400 for conc <100 for F'Glass^
To Increase	Press Boost	Add Soda Ash (use **pH UP**)	Add Sodium Bicarbonate (Use **Alkalinity UP**)	Add Calcium Chloride (use **Calcium UP**)
To Decrease	N/A	Add acid (use **pH DOWN** or **Liquid Acid**)	Add acid (use **pH DOWN** or **Liquid Acid**)	Partially drain/refill

^ For fibreglass always abide by manufacturers recommendations for saltwater pools regarding Alk and pH

Starting the system

- Add the appropriate amount of MagnaPool Minerals as per the table below (6 bags x 10,000L)

20,000L	30,000L	35,000L	40,000L	45,000L	50,000L	55,000L	60,000L	65,000L	70,000L
12bags	18bags	21bags	24bags	27bags	30bags	33bags	36bags	39bags	42bags

- Add the required bags of minerals to the water
- Turn on the filter pump and Hydroxinator and set it to operate on boost mode, this will kick start the sanitizing and hydroxination process
- Leave the filtration system running for at least 24hrs in boost mode, then press Boost again to allow for 48hrs of complete circulation and sanitizer production
- After you have implemented the boost x 2 allow the hydroxinator to operate in normal timer mode
- It may be necessary to perform a short backwash and remove any excessive debris within the first 48hrs, check filter pressure and perform if required

Chemistry after adding MagnaPool® Minerals

* measurements In PPM	Free Chlorine*	pH	Total Alkalinity*	Total Hardness*	Cyanuric Acid*	Salinity Level*
Ideal For MagnaPool®	After 2 weeks 1 - 3ppm	7.4 - 7.6 Concrete 7.0 - 7.2 F'Glass^	80 - 120^	500 – 1000 Note this is TOTAL hardness, not calcium only	Less than 50	5,000 - 5,500 (at start)
To Increase	Press Boost	Add Soda Ash (use **pH UP**)	Add Sodium Bicarbonate (Use **Alkalinity UP**)	Add Calcium Chloride (use **Calcium UP**)	Add CYA (use **UV Blockout**)	Add **MagnaPool® Minerals**
To Decrease	N/A	Add acid (use **pH DOWN** or **Liquid Acid**)	Add acid (use **pH DOWN** or **Liquid Acid**)	Partially drain/refill	Partially drain/refill	Partially drain/refill

^ For fibreglass always abide by manufacturers recommendations for saltwater pools regarding Alk and pH

***It is important that the pool owner understands the following when handing over**

4. **What happens next?**

For the first 2 weeks there are a number of things that will happen that owner must be aware of:

a) The water may go cloudy or even discolour at first and a film of foam can occasionally appear on the surface. This is completely normal and is part of the settling-in phase. This is the hydroxination process in action and may last for a day or two. It is best not to swim during this time, however it is not harmful in any way. It is also advised to remove any pool cleaners if there is foam present.

b) After the water has cleared the cleaner (robotic or suction etc) can be placed in the pool.
   a. **Please note:** during the first 2 weeks most cleaners will not adhere to the walls and surface of the pool, this is normal and the cleaner will return to normal operation

c) Chlorine may be difficult to test for during the first 2 weeks, please do not be alarmed. Chlorine is present and it is safe to swim. The initial set up phase will mask chlorine testing...this will pass within a week or 2

d) After 2 weeks it may be necessary to perform a short backwash to remove the initial debris that has been captured, so check the pressure in the filter and backwash if required.