

# MINERAL MASTER

## Generator

# Energy Efficient Power Pack

Electrochlor monitors the chlorine production by regulating the amount of electrical energy supplied to the Salt Cell. Electrochlor uses the latest Switch Mode Power Technology to increase energy efficiency by over 50%.

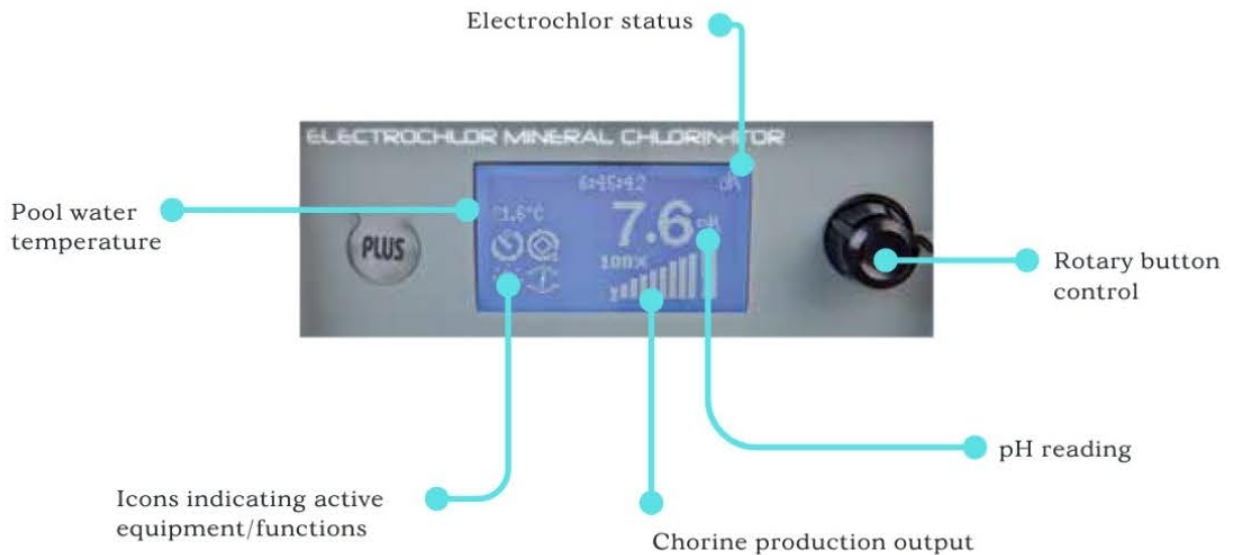


- Intelligent and energy saving
- pH monitoring and control
- Informative LCD display
- Low salt alarm and flow protection
- Variable speed pump and LED light control
- Self cleaning chlorinator cell
- Dual timer-controlled power outlets



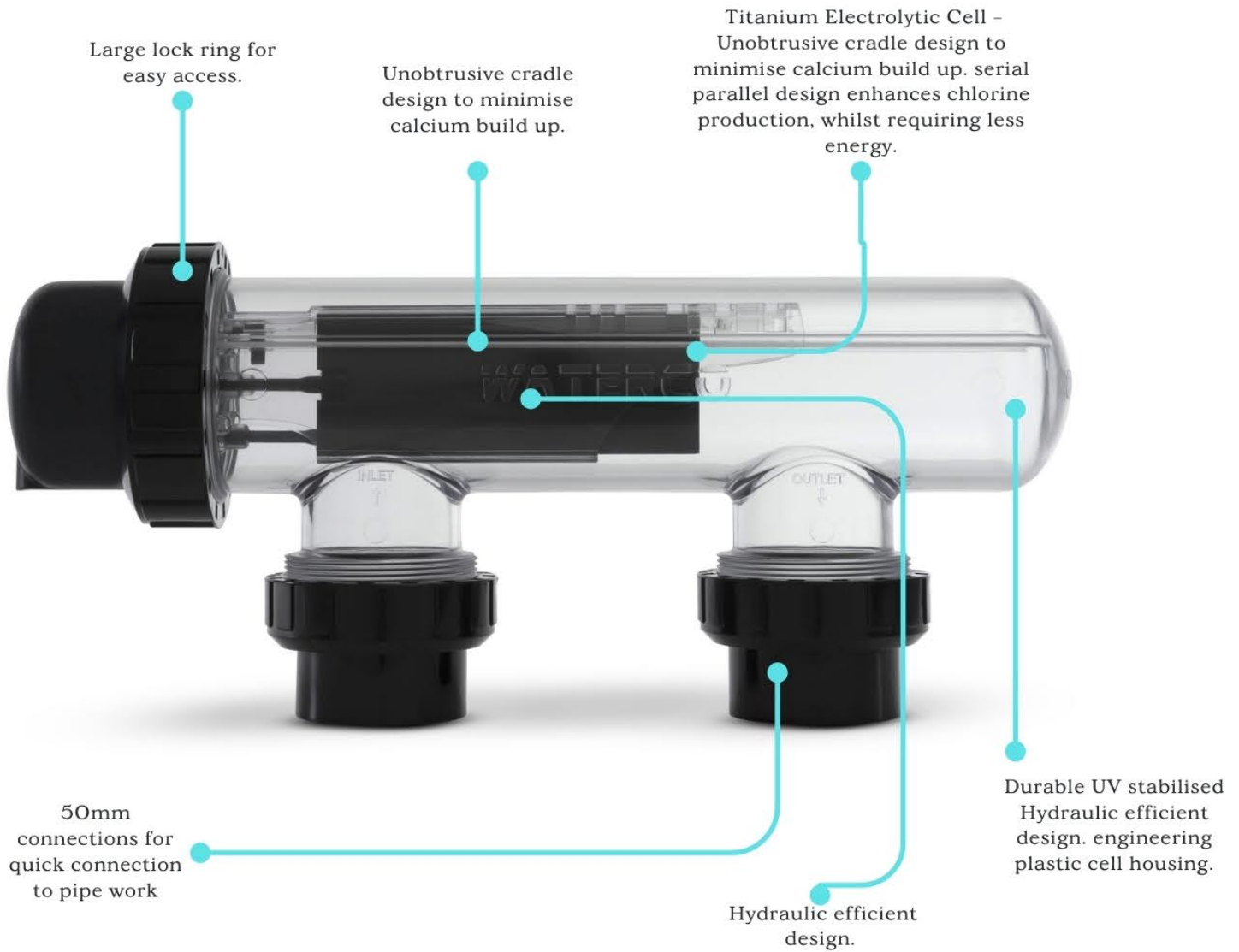
## Informative Display

A snapshot of everything you need to know about your pool's status and current active functions are clearly displayed in one place.

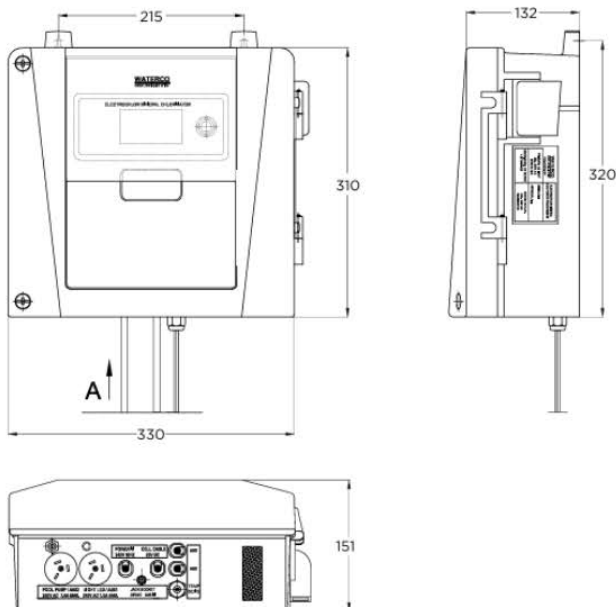


## Titanium Salt Cell

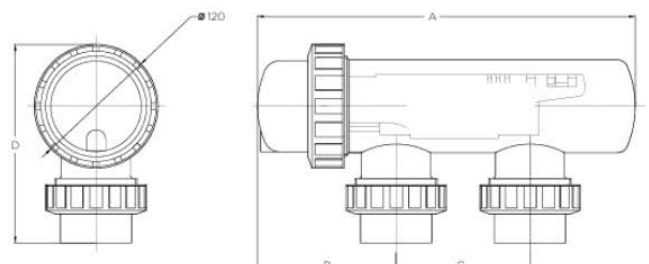
Consists of a series of titanium electrodes with opposite charges. Waterco's clear salt cell housing, is constructed using clear UV stabilised acrylic, and allows you to visually inspect the salt cell plates.



## Power Pack Dimensions



## Chlorinator Cell Dimensions



## MINERAL MASTER

- Adjusts PH automatically
- Adjusts pool pump speed & water flow
- Adjusts the sanitising minerals to suit the bathing load & removes unsightly organic matter that feeds bacteria & algae in your pool automatically

## MINERAL MASTER BRILLIANTLY SAVES FADING OF POOL COLOUR, SAVES SKIN IRRITATION & NO MORE RED EYES!

Too much sanitiser can fade the pool colour, become corrosive, damage the pool shell and pool equipment. Some sanitisers affect the water balance (pH) rendering the sanitiser ineffective at destroying bacteria and requiring lots of corrective balancing chemicals to be added to the pool by the owner or pool specialist.

High pH causes skin irritation and red eyes. Mineral Master takes care of all that giving you more time to enjoy your pool.

Just imagine a pool smart enough to sanitise itself adjusts its own PH

Slows the pool pump to save power & when the bathers jump in the pool the mineral Master increases the pump speed to cater for the heavy load & increases the sanitiser level to keep pool water safe.



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## Automatically controls pH balance through feedback from inline sensors.

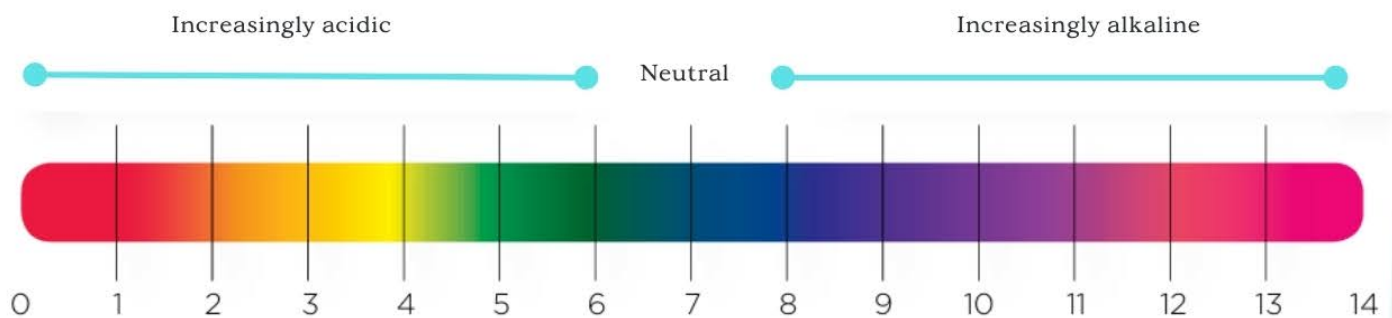
The right pH balance of your pool water is essential for many reasons: your pool is sanitised effectively, protects the pool's surface and equipment from corrosion or scaling, reduces irritations like red eyes and creates a more pleasant swimming experience.

### About pH

pH is a measurement of the acidity or alkalinity of a solution. It provides a value on a logarithmic scale from 0 to 14, 7 is neutral, less than seven is acidic and greater than seven is alkaline (or basic). The closer you move towards 0, the more a solution is acidic, and the closer you move to 14, the more a solution is alkaline.

### pH and Chlorine

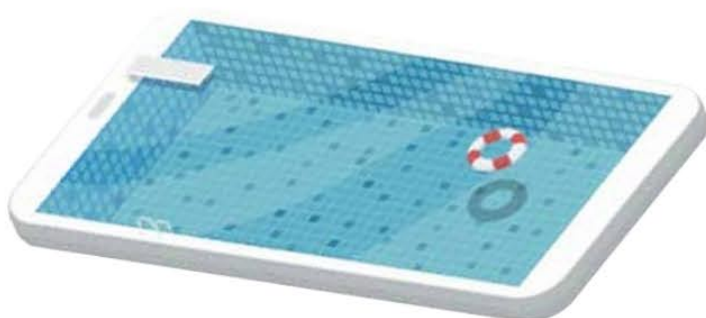
The effectiveness of a sanitiser like chlorine depends heavily on the pH. At a pH of 7.2, the effectiveness of chlorine is close to its peak. However, at a pH of 7.8, the chlorine loses approximately 80% of its sanitiser power.



### Wifi with Mobile App Control

Mineral Master is so advanced that you can monitor your pool through a mobile app. Control and monitor the critical functions including.

- \* Pool temperature display
- \* Monitor pH level
- \* Switch on/off pool lights
- \* Control and monitor the pool pump and auxiliary equipment
- \* Receive pool alerts



# Mineral Master



makes your pool smarter by automatically taking care of sanitisation, filtration and auxiliary equipment so you don't have to! This one device will monitor and display everything you need to know about your pool in real time.



**pH monitoring and control**  
pH sensor monitors the pH in the pool.



**Pool water temperature display and low salt alarm**  
If the salt level in the pool water is too low or too high, Mineral Master automatically reduces the output and displays the corresponding alarm. A digital time stamp of high salt levels is also recorded. Pool temperature is also measured to eliminate false low salt level readings often attributed to low water temperatures.



**Four independent timers**  
Multiple timers allow you to control the pump, pool light and auxiliary equipment conveniently from one compact unit.



**Switch mode power technology**  
Mineral maser uses the latest Switch Mode Power Technology to increase energy efficiency by over 50%, significantly reducing power consumption, draws less current translating to high power conversion and less energy wastage, without compromising chlorine output.



**Battery backup power pack**  
Automatically saves your settings in the event of a power outage.



**Dual general power outlets control**  
Two GPOs - one for the pool pump and another for a pool light or auxiliary device that needs to be operated under a timer.



**Variable speed pump control**  
Easily control a variable speed pump and switch it on and off by connecting to mineral master it via a communication cable.  
**Note:** This feature is only enabled when a **Blue Haven** variable speed pump is installed



**Led light control**  
Featuring a dedicated GPO to control your pool or garden lights.

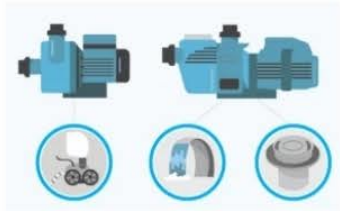


#### Pump protection and low flow detection

In case water flow is not detected, Mineral master protects the pump by shutting it down, and then automatically displays the corresponding alarm.

In the event of a “no-flow” condition, chlor will increase the pump speed and if the “no-flow” condition is resolved, it will maintain the new speed to keep the pool pump running.

**Note:** This feature is only enabled when a Blue Haven variable speed pump is installed.



#### Dual-pump control

Control another pump in conjunction with a variable speed pump simultaneously, which means you can operate your in-floor pool cleaning pump or pressure pool cleaner at the same time as your main pool pump.



#### Interlocking function

Program, activate and simultaneously control multiple pool equipment such as the control valve, and determine the minimum required water flow for ancillary functions.



#### Super chlorination function

Chlorine production is raised to 100% during a 24-hour period to super chlorinate the pool, then returns to its pre-set operating condition once completed.



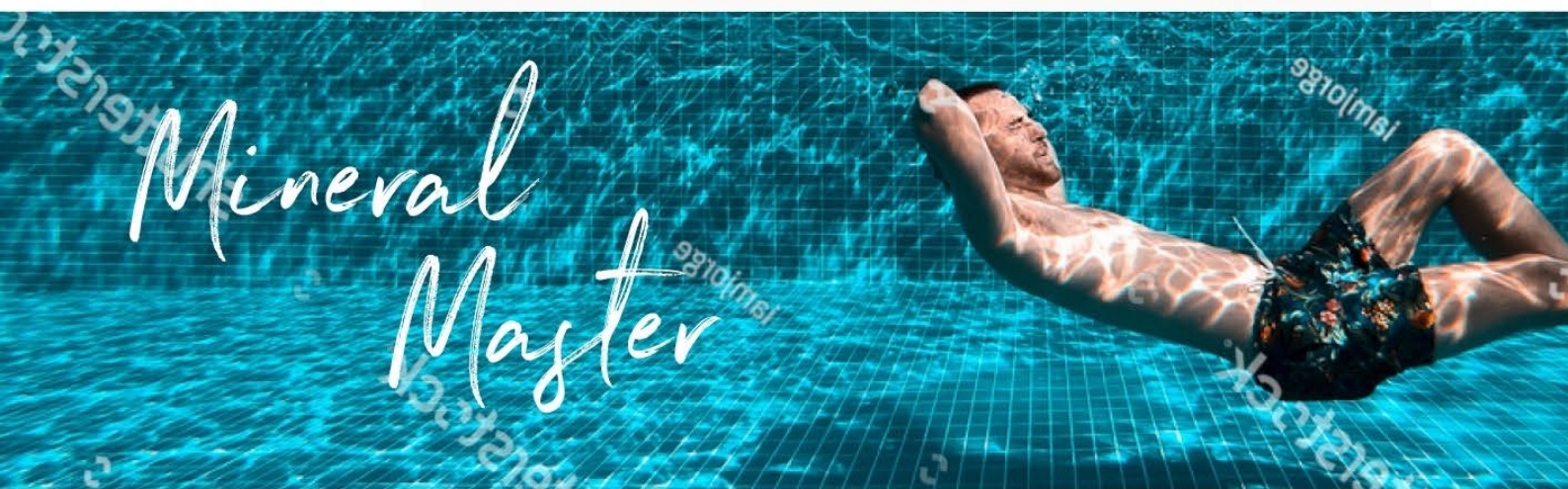
#### Low chlorine mode

Low chlorine production can be easily activated via a pool cover or a pool controller by sending a signal to the chlorinator. This mode reduces chlorine production to 10%, while active.



#### Quick troubleshooting

A diagnostic menu helps service technicians quickly identify potential issues



# Mineral Swimming Pool

## Magnesium enriched water

Magnesium has been recognised by medical professionals and consumers all over the world for its ability to alleviate a variety of ailments relating to the skin, muscles and nervous system. Absorbing Magnesium, directly through your skin as you swim, provides a range of lifestyle benefits, including:

- Reduced muscle aches, pains, cramping and spasms
- Healthy skin and reduced outbreaks of eczema and psoriasis

## Mineral Crystals

Mineral Crystals not only improves your pool water with a blend of naturally occurring minerals but also moisturises your skin as you swim. In fact, the common effects associated with swimming in a chlorinated pool, including red eyes and dry skin, are significantly relieved with Mineral Crystals. Its gentle formulation that has little to no taste and can be used in any type of pool.

*Transform your Pool into a Therapeutic Oasis*

