

# CHEMFLO PLUS

## AUTOMATIC WATER MANAGEMENT

ChemfloPlus continuously analyses your pool water chemistry and accurately sanitises and controls the pool's pH, keeping your pool water safe and healthy.

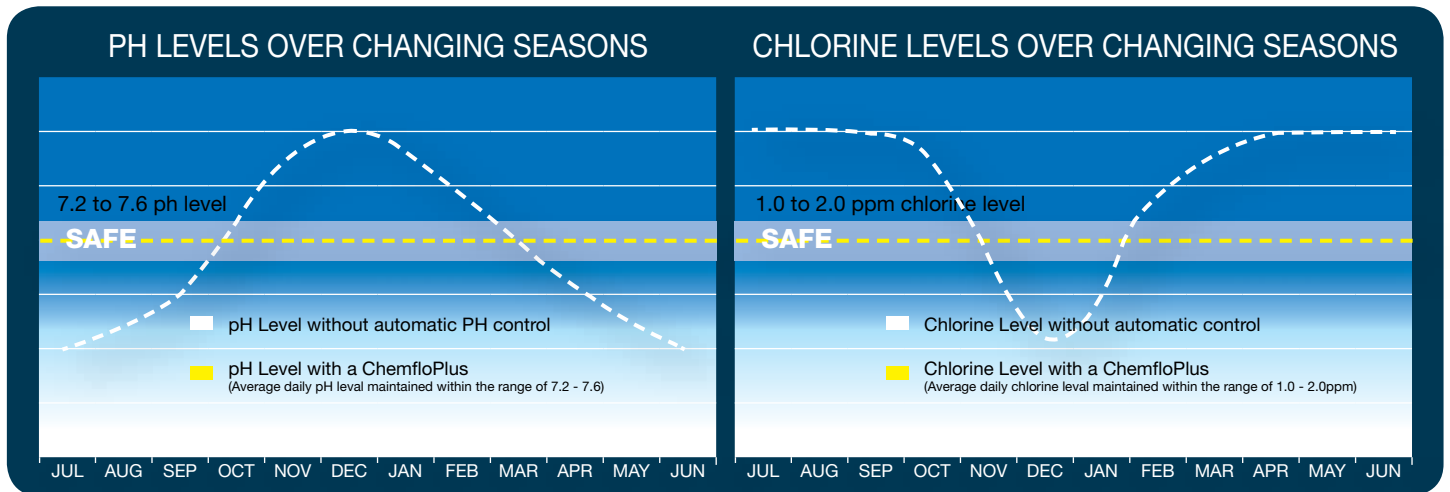


# CHEMFLO PLUS AUTOMATIC WATER MANAGEMENT

The ChemfloPlus automatic control system measures and precisely controls set levels of sanitiser (chlorine) and pH balance (acid) through feedback from inline sensors. This ensures the safest possible swimming conditions. Costs are reduced by minimising chemical use and preventing excessive addition of chemicals that may damage the pool and its equipment.

## Automatic response to seasonal demand:

The Chemflo will automatically maintain the required chlorine level of your pool and eliminate problems associated with periods of very high or low chlorine levels throughout the year. Fewer fluctuations in chlorine levels mean fewer fluctuations in pH levels. This adds up to more stable, balanced water.



## Smart LCD display:

The ChemfloPlus's Smart LCD display shows you the condition of your pool water – and what ChemfloPlus is doing about it.

10:18 Normal Auto  
AutoON→AutoOFF@12:00  
ORP= 60mV FEEDING  
pH= 9.6 SET= 7.6

Shows the current time and mode.  
Shows what ChemfloPlus is doing and when it will change.  
Shows current value for ORP and its Set Point Value.  
Shows current pH value and its Set Point Value.

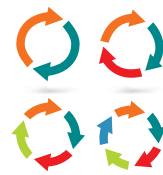
## Controls pool and spa combinations:

A ChemfloPlus system is ideal for pool and spa combinations, because it senses the water from either the pool or spa and adjusts accordingly, thus ensuring each is sanitised to an optimum level.



## Multiple filtration cycles:

ChemfloPlus allows for up to 4 filter cycles to be activated. This gives extra flexibility, especially during seasonal adjustments – e.g. use one cycle for winter, 2 cycles during summer, or all 4 cycles during a busy weekend or pool part. The unit comes with 2 cycles enabled as the default.





### Pool lights timer:

ChemfloPlus comes with a dedicated timer for your pool or garden lights.



### Additional timed power outlets:

Using the optional power separator, ChemfloPlus will provide an additional timed power outlet – which can be used to operate other accessories such as an in-floor cleaning system pump, pressure cleaner booster pump or pool lighting. ChemfloPlus lets your pool look after you!



### Suitable for Tariff 33:

The ChemfloPlus unit comes with a timer function built into the operation software. This timer is backed-up with 24 hour type timer with quartz –crystal control, backed up by a Real-Time Clock. This timer allows the ChemfloPlus to “remember” the latest setup in case of power failure (or a slave type operation), or in systems where repeated power cuts occur, such as Queensland’s Tariff 33 system.



### Automating a salt chlorinator:

The ChemfloPlus is specially configured to allow it to control a salt water chlorinator. It will constantly analyse the pool water while the pump is running and activates the salt water chlorinator when necessary. Just plug your salt water chlorinator into the ChemfloPlus and chlorine levels are maintained at a consistent set point, ensuring your pool is clean and safe to swim in.



### Energy saving:

Power requirements are minimal. ChemfloPlus’s dosing systems only operate when required.



## MAKING YOUR POOL SAFE

In the real world, chemical maintenance of pool water is a fairly complicated balancing act. Sanitiser residuals must be maintained at a level sufficient to protect swimmers.

Simultaneously, pH of the water must be maintained at a level that assures the sanitiser works effectively and at the same time protects the pool and equipment from corrosion or scaling and the bathers from discomfort or irritation.

## HOW DOES IT WORK?

ChemfloPlus maintains the pool's water chemistry via the automated adjustment of the ORP and pH levels to optimal levels.

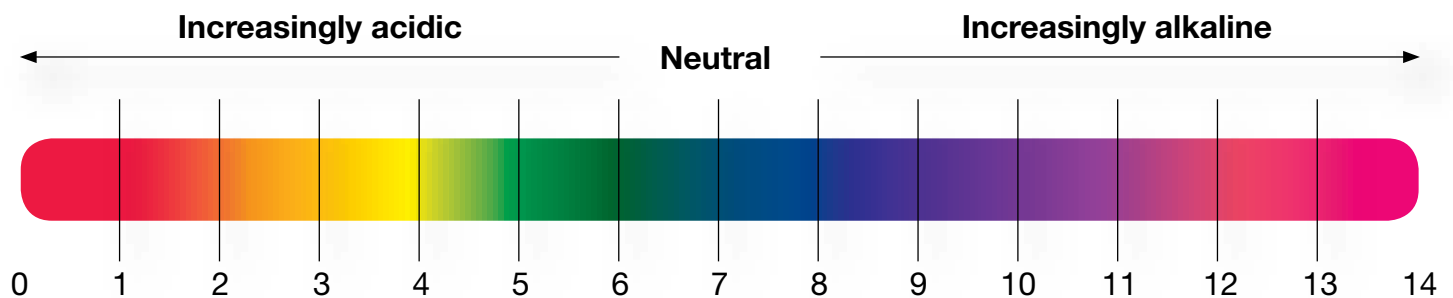
## WHAT IS ORP?

Pool sanitising chemicals like chlorine and bromine are all oxidisers. It is their ability to oxidize that makes them good water sanitisers. The oxidation process can be electronically monitored via an ORP sensor.

ORP stands for Oxidation-Reduction Potential. It is a measurement of the capacity of a sanitiser to oxidize contaminants.

## WHAT IS PH?

pH is a measurement of the acidity or alkalinity of a solution. It provides a value on a scale from 0 to 14, 7 is neutral, less than 7 is acidic, and greater than 7 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.

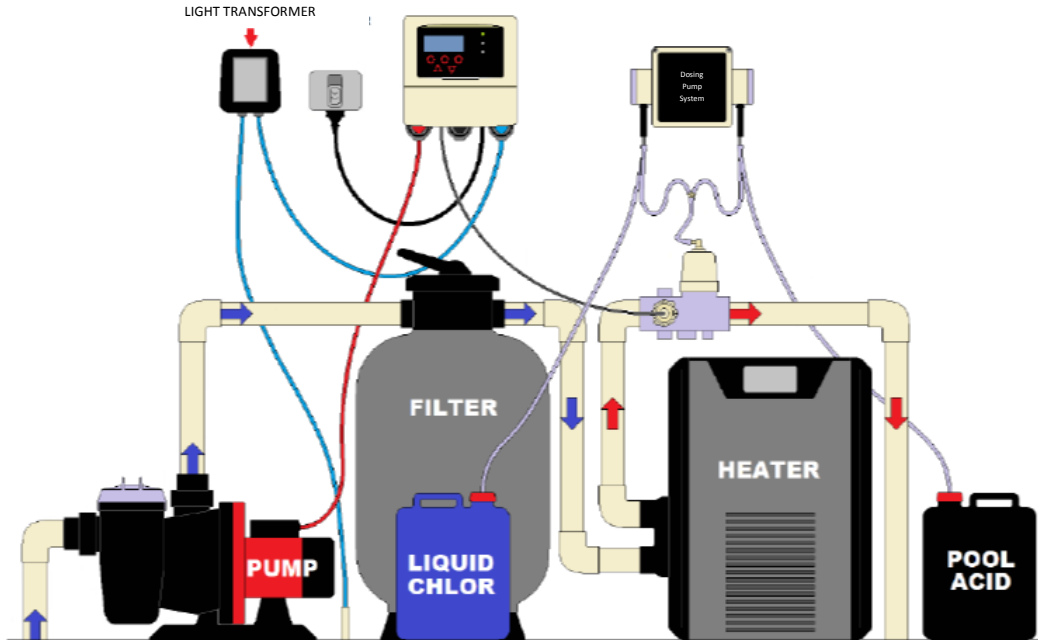


## ORP AND PH RELATIONSHIP

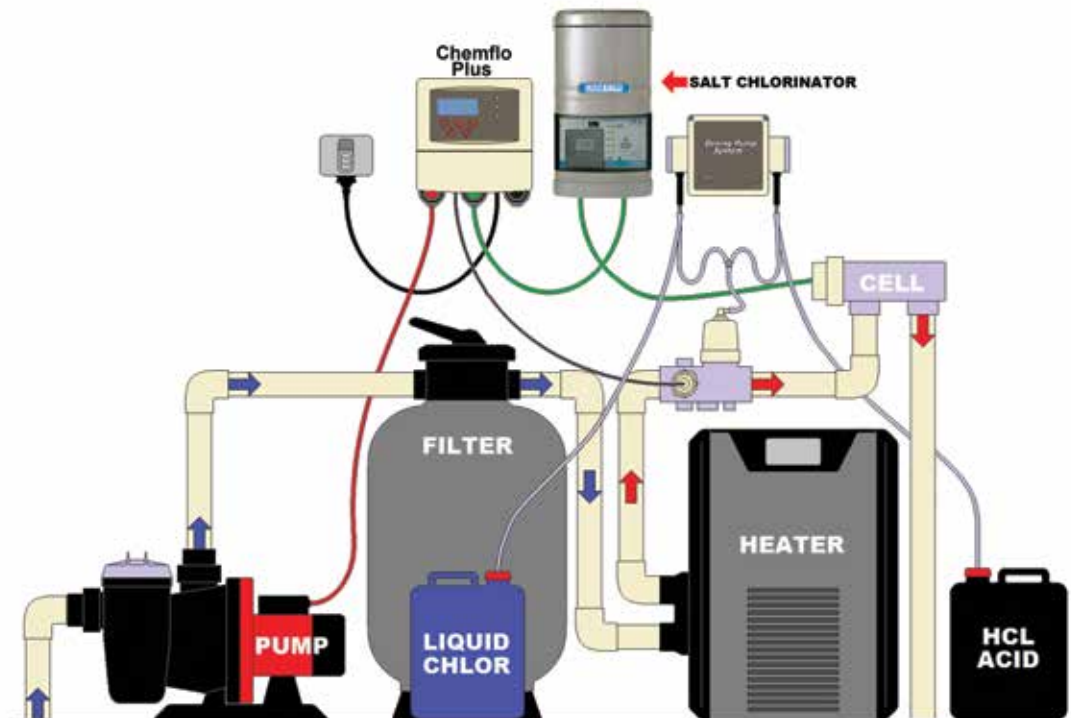
pH and ORP are closely related. The effectiveness of a sanitiser like chlorine depends heavily on the pH. At a pH of 7.2 the effectiveness of chlorine is close to its peak. However, at a pH of 7.8 the chlorine loses approximately 80% of its sanitiser power. Therefore it is important that the pH of the pool is maintained to maximise the effectiveness of the sanitiser.

# TYPICAL INSTALLATION LAYOUTS

## ChemfloPlus With a Pool Heater and Pool Lights



## With a Salt Chlorinator



## TECHNICAL SPECIFICATIONS

Parameter	Specification
Volts	230-250V, 50 Hz
Power	less than 30W (not including pool pump)
IP rating	24
Max pool Size	200kL (domestic pool)
Peristaltic pumps max flow rate	40mL/minute at approximately 50% duty cycle

## DIMENSIONS



## WARRANTY

Controller (Power Pack)	24 months
Peristaltic Pumps	24 months
pH/ORP Sensor	18 months

Please refer to Waterco's Warranty booklet for terms and conditions

### CONTACT WATERCO

Waterco's head office is situated in Sydney, Australia with international offices, manufacturing plants and warehouses located in Australia, New Zealand, Malaysia, Indonesia, Singapore, China, the US, Canada, France and the UK.

#### OFFICES - AUSTRALIA

NSW - Sydney (Head Office)  
Tel: +61 2 9898 8600  
QLD - Brisbane  
Tel: +61 7 3299 9900  
VIC/TAS - Melbourne  
Tel: +61 3 9764 1211  
WA - Perth  
Tel: +61 8 9273 1900  
SA/NT - Adelaide  
Tel: +61 8 8244 6000  
ACT Distribution  
Tel: +61 2 6280 6476

#### OFFICES - OVERSEAS

Waterco (Europe) Limited  
Sittingbourne, Kent, UK  
Tel: +44 (0) 1795 521 733  
Waterco (USA) Inc  
Augusta, Georgia, USA  
Tel: +1 706 793 7291  
Waterco Canada  
Longueuil, Quebec, Canada  
Tel: +1 450 748 1421  
Waterco (NZ) Limited  
Auckland, New Zealand  
Tel: +64 9 525 7570

Waterco (C) Limited  
Guangzhou, China  
Tel: +86 20 3222 2180

Waterco (Far East) Sdn Bhd  
Selangor, Malaysia  
Tel: +60 3 6145 6000

PT Waterco Indonesia  
Jakarta, Indonesia  
Tel: +62 21 4585 1481

Waterco Singapore Int'l  
Pte Ltd  
Nehsons Building, Singapore  
Tel: +65 6344 2378

Waterco France  
SAINT PRIEST, France.  
Tel: +33 4 72 79 33 30

DISTRIBUTED BY:

**WATERCO**  
water, the liquid of life



**SPASA**  
AUSTRALIAN MEMBER

ZZB1637 11/14