

Hydroxypure  
chlorine free system

POOL WATER SO PURE, IT'S LIKE TAKING  
A SWIM IN A NATURAL SPRING.



**WATERCO**  
water, the liquid of life

[www.waterco.com](http://www.waterco.com)

# “CHLORINE FREE”



## HYDROXPURE SANITISATION

By simplifying technology associated with the advanced treatment of drinking water, Waterco has successfully applied it to the treatment of swimming pool water.

The end result is a chlorine free swimming pool, fully enriched with oxygen.

This is fantastic news for those looking for a healthy alternative to chlorine. With no odours or taste, it's soft and gentle to the skin and no shower is needed after swimming.

Endorsed by the National Asthma Council of Australia and approved by its Sensitive Choice® program, Hydroxypure is the most advanced breakthrough in swimming pool and spa sanitisation.



Sensitive Choice® blue butterfly recognises products and services that support asthma and allergy care.



Hydroxypure sanitisation is based on the Advance Oxidation Process. (AOP), which combines Perox, a chlorine free sanitiser ( $H_2O_2$ ) and hybrid ozone ( $O_3$ ) to enhance the sanitisation process.

The Advance Oxidation Process has the superior ability to remove bacterial threats more effectively than any other oxidisation process currently available on the market.

The use of ozone and Perox in harmony increases active oxygen levels in the water. This synergy ensures the safety of your water environment without creating harmful chemical by-products.

## Endless benefits:

- Chlorine/salt free water
- Refreshing fresh water swim
- No shower after swimming
- No allergic reactions
- Absolute water clarity
- Water efficient
- Extended life of pool surfaces and equipment
- Fully automated sanitisation and pH control
- Low maintenance

# “ENRICHED WITH OXYGEN, SOFT AND GENTLE TO SKIN”

## FULLY AUTOMATED SANITISATION FOR COMPLETE PEACE OF MIND

The Hydroxypure system continually sanitises your swimming pool by testing the water and automatically maintaining optimum levels of residual sanitiser.

Cleverly responding to different demands such as pool parties, hot weather, rain and water top-ups; the Hydroxypure system will automatically adjust dosing requirements to suit.

The pH level of your pool's water is also automatically adjusted, ensuring optimum water quality and protecting you and your pool from less than favourable conditions.

## HYBRID OZONE (O<sub>3</sub>)

By simulating the action of the sun, the Hydroxypure hybrid ozone technology converts ambient air into an ozone, free from impurities. The results are a safe, clean and effective way of using the extra oxygen molecules to keep your pool properly sanitised.

The natural flocculating effect (clustering together of impurities) that ozone has on the water, greatly improves filtration performance. Oxidised contaminants are easily removed, leaving your pool crystal clear.



## Rainbow Pool Products

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# “SAFE, CLEAN AND HYPOALLERGENIC POOL WATER.”



## PEROX (H<sub>2</sub>O<sub>2</sub>)

Perox is a formulated blend of hydrogen peroxide that has been developed to work in unison with the Hydroxypure system to ensure perfectly sanitised water at all times.

Hydrogen peroxide is formed in nature to control bacteria that grows all around us. During a lightning storm hydrogen peroxide is created to combine with rain and naturally cleanse the environment.

For many years, hydrogen peroxide has been widely used in health treatments, from mouth-washes to antiseptic cleaner and antifungal treatments.

Water and oxygen are necessary elements for the existence of human life. Therefore it seems only natural to use hydrogen peroxide to keep your swimming pool naturally clean.

## MULTICYCLONE

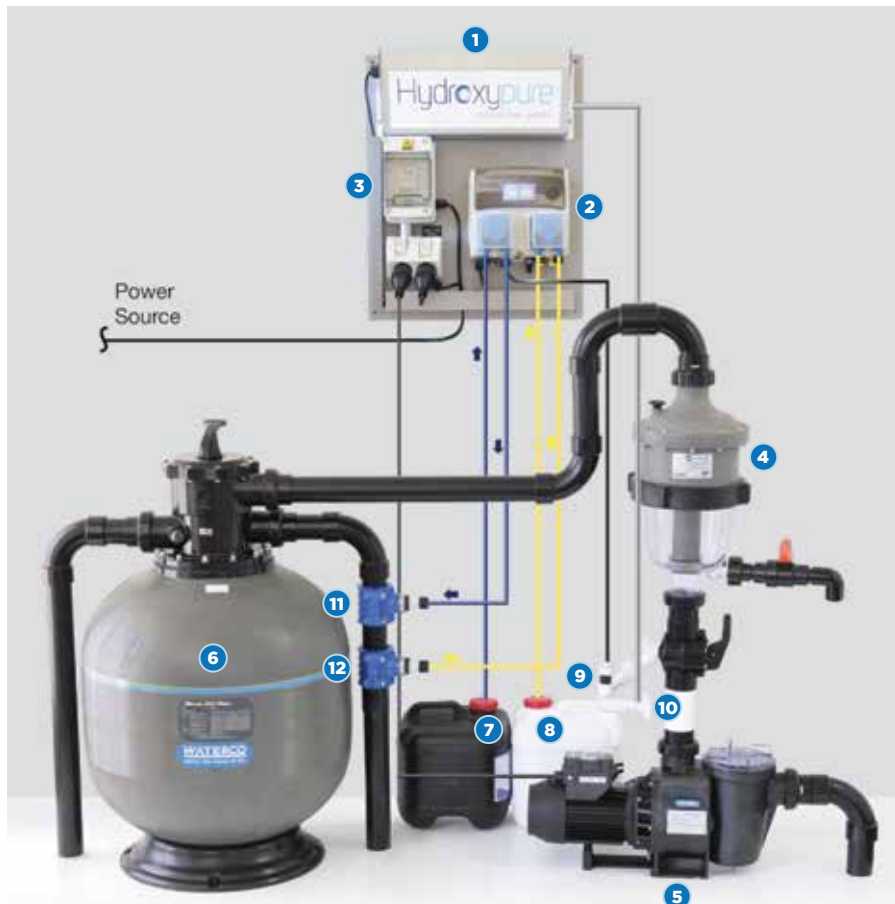
The multi award winning MultiCyclone is Waterco's latest water saving technology designed to be incorporated into the Hydroxypure system. It maximises the strength of sanitisation by cleverly performing the dual role of mixing the ozone into the pool water and then providing adequate contact time with the water to be fully effective.

MultiCyclone reduces the workload and maintenance on filtration systems by pre-filtering incoming sediments. This smart system reduces water usage associated with filter maintenance.



# INSTALLATION

Hydroxypure can be installed with new pools, or easily retrofitted to existing salt and chlorinated pools.



Pool water passes through a venturi (a tube that increases the water flow rate similar to a jet effect), which injects ozone into the water. The ozone then reacts with residual Perox in the water, producing a powerful oxidation reaction.



Hydroxypure's dual probe system detects the amount of Perox in the pool water, while at the same time measuring its pH levels.



Hydroxypure's powerful oxidation reaction is further enhanced by the MultiCyclone's centrifugal hydrocyclone effect.



The water then passes through the pool's filter, oxidised contaminants are filtered out.



The filtered pool water is dosed with Perox and the pH levels are automatically adjusted via the chemical controller with the addition of a small amount of acid.

■ Acid Injection Lines

■ Perox Injection Lines

■ Ozone Injection Line

1 Hydroxzone Ozonator

2 Hydroxypure Controller

3 7-Day Dual Timer

4 MultiCyclone

5 Pump

6 Filtration System

7 Acid Drum

8 Perox Sanitiser

9 pH/ORP Sensor

10 Dynamic Venturi/Ozone Injection

11 Acid Injection Point

12 Perox Injection Point

## WARRANTY

COMPONENT	WARRANTY PERIOD (MONTHS)
Hydroxypure controller	24
7-Day Dual Timer	24
Hydroxzone Ozonator	24
Multicyclone	24
pH/ORP Probe BNC connectors	18
Dynamic Venturi	24
Labour	12
Commercial installations	12

## TECH SPECS

### HYDROXPURE CONTROLLER

Power Input (volts)	220-240
Frequency (Hz)	50/60
Degree of Protection	IP54
Max. Current (A)	0.2
Peristaltic Pumps Capacity (lph /gph)	3.00/0.80
Max. discharge Pressure (kPa/Bar/psi)	120 / 1.2 / 17.4
Squeeze tube Material	PS140PH
Max Pool Size (kl)	100
pH range	0 to 14
ORP Range (mV)	0 to 999
Temperature Operating Range (°C)	-10 to 45

### 7-DAY DUAL TIMER

Power Input (volts)	220-240
Frequency (Hz)	50/60
Outputs	Double GPO 240 VAC
Degree of Protection - Dual GPO	IP53
Degree of Protection - Timer	IP54
Max. Output Rating (A at 240 V)	10
Timer Power consumption (W / VA)	5 / 5
Temperature Operating Range (°C)	0 to 50
Programs Available	8

### HYDROXZONE OZONATOR

Power Input (volts)	120-277
Frequency (Hz)	50/60
Degree of Protection	IPX4
Max. Current (A)	8
Temperature Operating Range (°C)	-32 to 60
Dimension (mm)	432x159x89



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## FREQUENTLY ASKED QUESTIONS:

**Q: Is the Hydroxypure system 100% Chlorine free?**

**A:** Yes. Unlike many other systems, Hydroxypure is totally chlorine free.

**Q: Will asthma and/or allergy sufferers benefit from the Hydroxypure system?**

**A:** Yes. The Hydroxypure system is the only water sanitisation system, which is endorsed by the National Asthma Council of Australia and approved for inclusion in its Sensitive Choice® program.

**Q: Will hydrogen peroxide bleach my hair?**

**A:** No. The hydrogen peroxide formulated for use with Hydroxypure is different to that used for altering the colour of your hair. Without the action of an activating agent, hydrogen peroxide is unable to have a bleaching effect.

**Q: Does the system require an ongoing supply of chemicals?**

**A:** Yes. Hydroxypure has simplified swimming pool maintenance by narrowing down its range of chemicals down to just 4 products. Perox sanitiser, hydrochloric acid, Perox Perfect and Perox Balance.

**Q: How do I test the pool for Perox?**

**A:** A Perox test strip is used to easily check residual levels of sanitiser in the pool. Select swimming pool professionals are equipped to test your pool water.