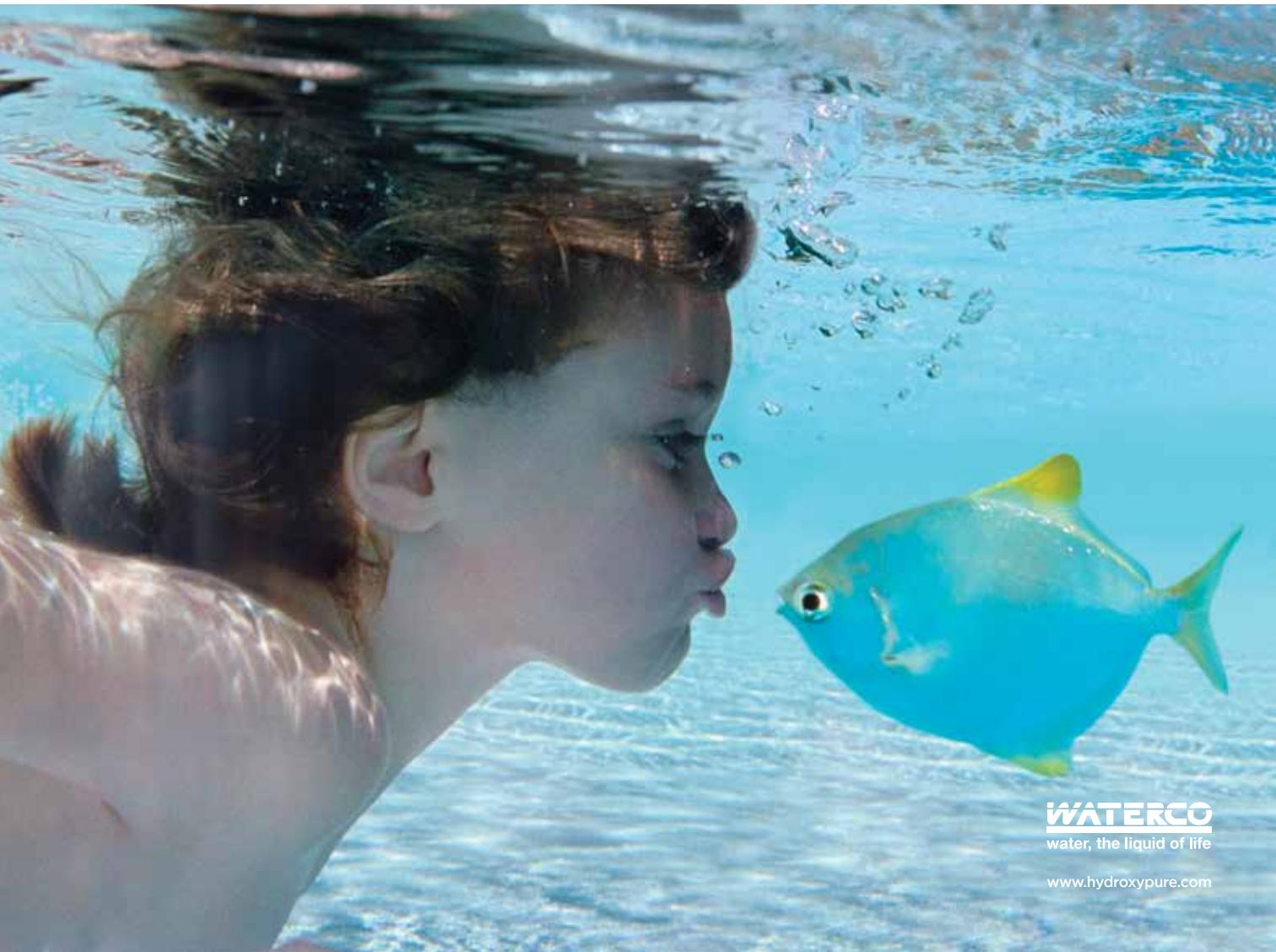


Hydroxypure

CHLORINE FREE POOL

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



WATERCO
water, the liquid of life

www.hydroxypure.com



ENRICHED WITH OXYGEN, SOFT AND GENTLE ON THE SKIN

A chlorine free, oxygen enriched swimming pool that's soft and gentle on the skin. No shower required after swimming. Just like a refreshing swim in a natural spring.

Great news for swimmers, people with allergies and asthma, the environment and your pool.

Endorsed by the National Asthma Council of Australia and approved by its Sensitive Choice® program.



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

- No allergic reactions
- Sensitive to skin
- No red eyes
- No harmful chemical by-products
- Fully automated sanitisation and pH control
- Minimum number of chemicals required
- Low maintenance
- Outstanding water clarity
- Extended life of pool surfaces and equipment

“ My daughter and I totally avoided swimming for years because our eczema was badly triggered by chlorine. But since we've been trialing the Hydroxypure system, we can now swim without our eczema flaring up. ”

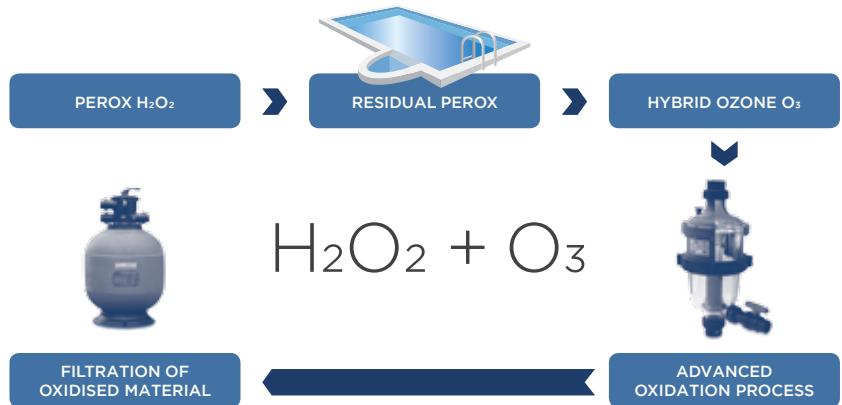
- Robbie Chan, Sydney

THE MOST ADVANCED BREAKTHROUGH IN SANITISATION

Waterco has simplified advanced drinking water treatment technology and successfully applied it to treating swimming pool and spa water.

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 create one of the most powerful oxidisers in nature.

The Advance Oxidation Process has the superior ability to remove bacterial threats more effectively than any other oxidation 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.

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





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.

Furthermore, it cleverly responds to different demands such as pool parties, hot weather, plus rain and water top-ups; in fact the Hydroxypure system automatically adjusts 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 unhealthy swimming conditions.

“The main drivers for my interest in Hydroxypure were my two-year-old daughter and my brother (who lives with me and who suffers from asthma). Also, with all the tropical rain we receive in Cairns, it doesn't take much for the pool to turn green. That's not happening now and the water feels like swimming in a freshwater creek. We don't get red, sore eyes and there's no smell or taste to the pool water.”

- Jarrod McDonald, Cairns

SWIM IN AN OXYGEN RICH POOL FOR A HEALTHIER YOU

Hydroxypure's hybrid ozone (O₃) technology simulates the action of the sun by converting ambient air into ozone – free from impurities.

The result? A safe, clean and effective way of using the extra oxygen molecules to keep your swimming pool and spa 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 and your skin feeling soft and revitalised.

“ We like how it's salt free, odourless, free of taste and you don't have to shower after swimming. Also, being chlorine free, our swimming costumes don't deteriorate and the water feels beautiful on our skin. There's no red eyes and no horrible chlorine smell and feel after swimming. ”

- Jacqui Royal, Sydney



Dual wavelength patented UV lamp, simulating the sun





SAFE, CLEAN AND HYPOALLERGENIC POOL WATER



Water and oxygen: two elements we couldn't live without. Together they create one of the most powerful sanitisers on the planet.

Perox (H_2O_2) is a formulated blend of hydrogen peroxide - which is simply water with an extra oxygen molecule - 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. For example, 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 mouthwashes to antiseptic cleaner and antifungal treatments. In fact, health practitioners all over the world regard Hydrogen Peroxide Therapy as one of the greatest.

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.

MULTI-AWARD WINNING TECHNOLOGY



Waterco's multi award-winning, water saving MultiCyclone technology is 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 also reduces the workload and costly maintenance required for traditional filtration systems by pre-filtering incoming sediments. Instead, this smart system reduces water usage associated with filter maintenance, leading to a reduction in water usage associated with backwashing and filter cartridge cleaning.

“ The main reason we decided to try this new technology is because my son suffers from asthma, and eczema and chlorine really exacerbates these [chronic skin] conditions. Swimming in our pool now is like swimming in spring water – there's no taste or smell and we love how you don't even have to shower after a swim. ”

- Rosy Heinrich, South Australia





HYDROXPURE SYSTEM TAKES THE STRESS OUT OF SWIMMING FOR SYDNEY FATHER AND DAUGHTER



For most, a dip in a backyard swimming pool provides welcome relief from a hot and humid summer's day; for Robert Chan, the prospect of an afternoon swim is not appealing at all.

Robert is one of seven million Australians who suffer from eczema, a condition that causes 'flare ups' of red, dry, itchy and sometimes blistering skin, which can last for several days. These flare ups can be triggered by a number of factors that are unique to each person, but can include weather changes, pets and household pests, cosmetics, shampoos and lotions, tobacco smoke, plus a variety of foods and chemicals.

For Robert, who describes his own condition as "more than moderate" eczema, the chlorine in an average swimming pool is a particularly bad trigger, leading to his eventual decision to avoid swimming altogether.

"The few minutes of relief from the heat isn't worth the days of red, bothered skin that follows," he says. "I swim in the ocean when I can, but never a chlorine pool. When I used to go in, I had to jump straight in a shower to rinse the chlorine off me, followed by steroid and moisturising creams."

This process also had to be adhered to by his five year old daughter, Jordyn, who also suffers from eczema.

Robert admits it was difficult to treat Jordyn after she swam.

“It’s just an added stress,” he says. “Jordyn went through a phase of not wanting to swim at all because she didn’t like how her fun was cut short by the need for a shower immediately after, and how her skin reacted.”

But since a new Waterco chlorine-free pool was installed in their backyard, Robert and his family “can spend all day in there” without the worry of an eczema flare up.

There has also been another most surprising benefit from using a chlorine free pool.

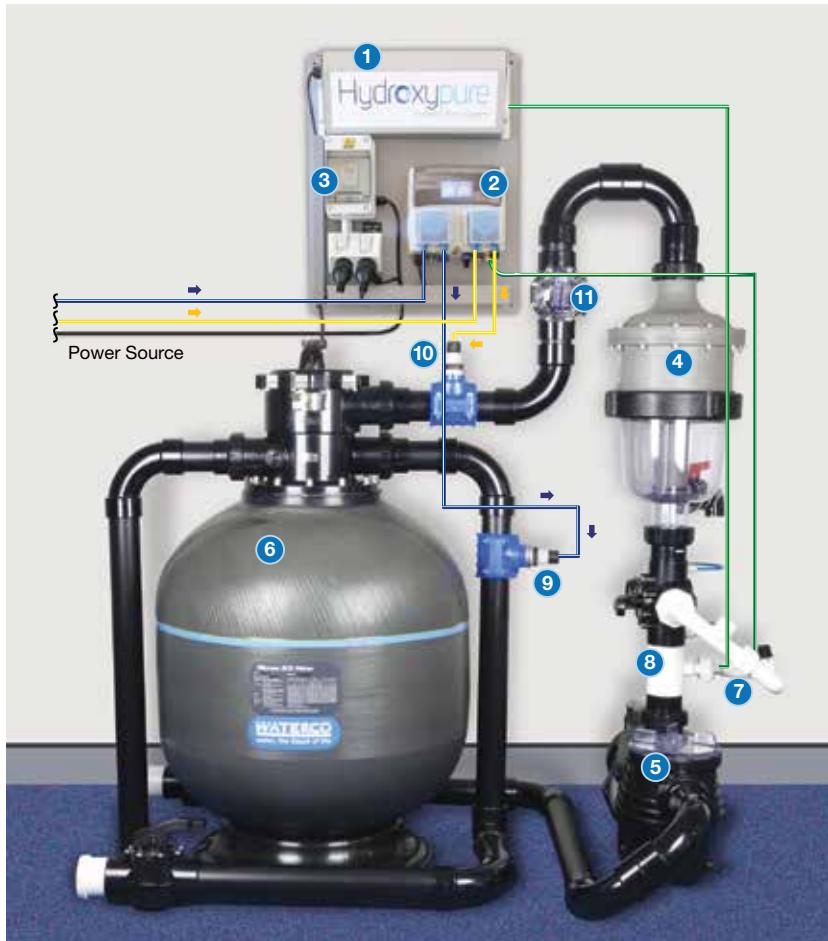
“We have also found that since Jordyn has been swimming at home in the chlorine free pool, her eczema is not as bad when she does have to go to her swimming lesson at the local pool, which is a normal chlorine pool,” says Robert.

“ We are very happy with this new system; it takes the stress out of swimming. ”
- Robert Chan, Sydney



INSTALLATION

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



- Acid Injection Lines
- Perox Injection Lines
- Ozone Injection Line
- 1 Ozone Generator
- 2 Chemical Controller
- 3 7-Day Dual GPO Timer
- 4 MultiCyclone
- 5 Pump
- 6 Filtration System
- 7 pH/ORP Sensor
- 8 Dynamic Venturi Injection
- 9 Acid Injection Point/Injector
- 10 Perox Injection Point/Injector
- 11 Flow Meter (FlowVis)

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.

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

HYDROXYPURE 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 (Å°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 (Å°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

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.

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