



CHRONOSELECTRO water treatment system

CHRONOS

has developed a new technology that can disinfect water by using the electrochemical principle

INTRODUCTION

Hygienic safety of portable water which people drink and use daily is one of the most important issues for a long and healthy life

The electrochemical principle is the latest technology of water disinfection



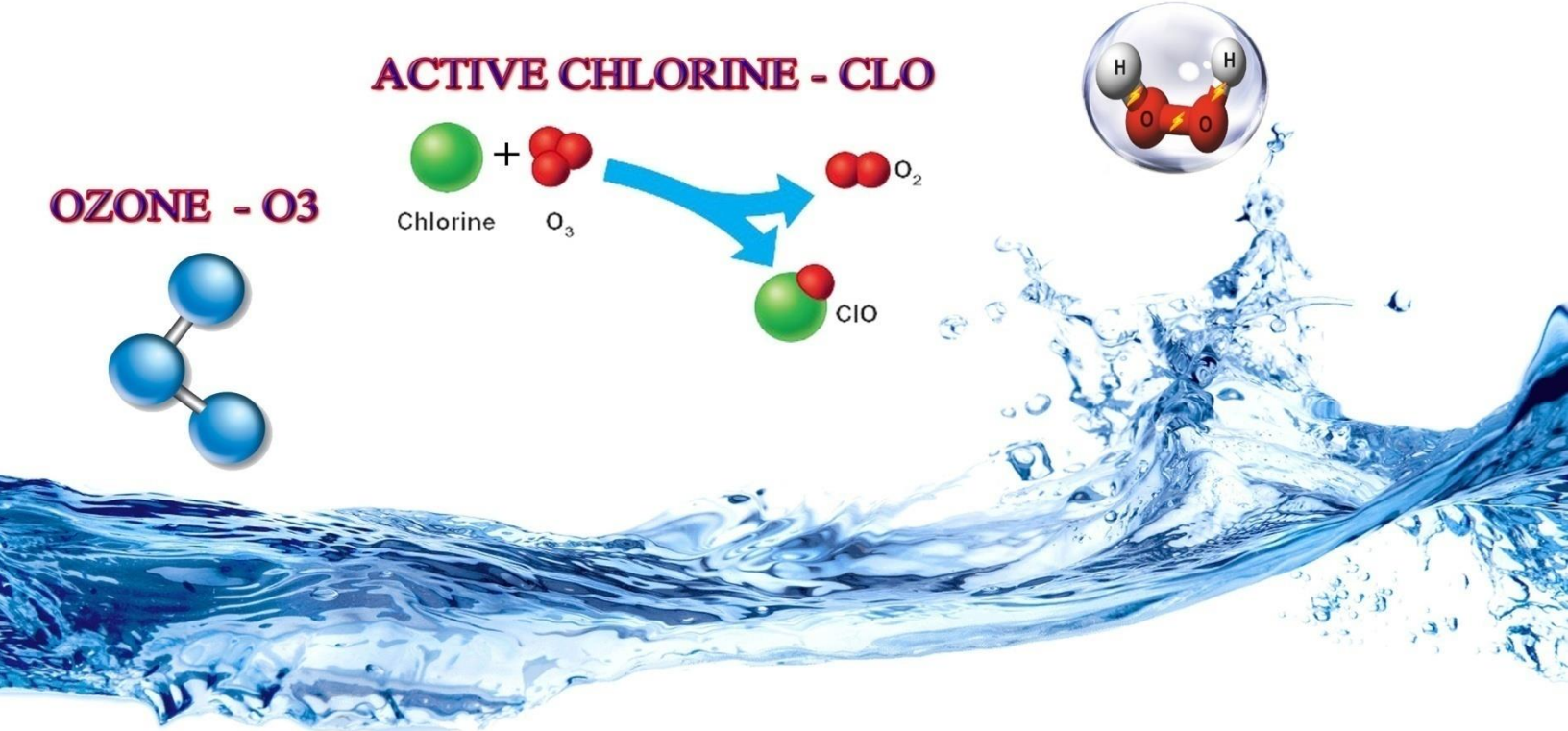
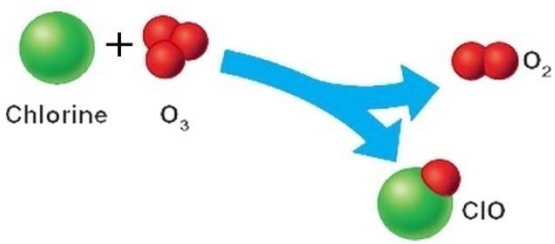
CHRONOS engineers partnered up with a team of specialists and experts to develop this new integrated and environment friendly technology that surpasses all existing systems

CHRONOSELECTRO system produces an integrated composite liquid which includes the most important elements required for water disinfection

HYDROGEN PEROXIDE - H₂O₂

ACTIVE CHLORINE - CLO

OZONE - O₃



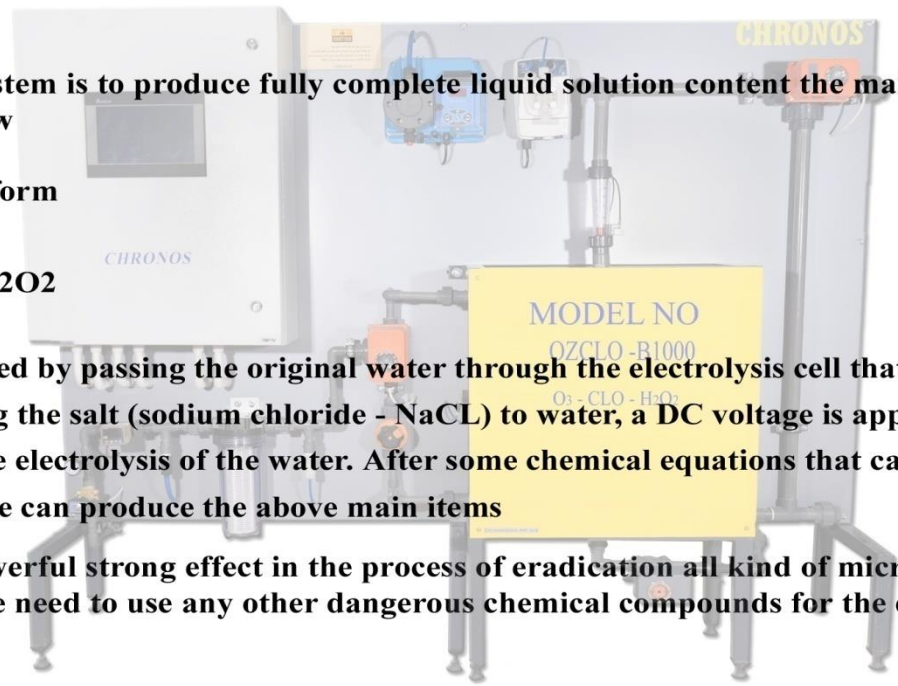


The main purpose of the system is to produce fully complete liquid solution content the main effective disinfection item as bellow

- 1- Ozone - O₃ in liquid form
- 2- Active chlorine - CLO
- 3- hydrogen Peroxide - H₂O₂

The solution can be generated by passing the original water through the electrolysis cell that contains suitable metal electrodes after adding the salt (sodium chloride - NaCl) to water, a DC voltage is applied between the electrodes leading to the electrolysis of the water. After some chemical equations that can be done between electric and water (H₂O) we can produce the above main items

This solution has a very powerful strong effect in the process of eradicating all kinds of microorganisms. This technology avoids the need to use any other dangerous chemical compounds for the disinfection process



H₂O

+



SALT

+



ELECTRIC

To produce one liter of the disinfection solution we need 2-4 gram of salt and 4-5 watt





DISINFECTION SOLUTION ADVANTAGE

1

Highly active in eradicated all kind of microorganisms

2

No need for transportation or storing - on site production

3

No need to add any other chemical

4

Very Low Cost Up to %90 less

5

No Spare parts required

6

Safe and reliable solution

7

Disinfection solution produced from water itself

8

Easy installation and simple to operate

9

Low contact time

10

Removes color and odor from water

11

Full automatic control

12

Effective with various water types

13

**Performs over a board PH range
4-12**

14

Environmentally friendly



Comparing table for all disinfection methods

	CHRONOS ELECTRO	CLO2	CL2-GAS	NAOCL	UV	OZONE
GRADE OF DISINFECTION	++++	+++	++	++	-	+++
STORAGE ABILITY AFTER STERELIZING	++++	+++	+++	+++	---	--
ENVIRONMENT FRIENDLY	++++	+++	----	---	+++	+++
CHEMICAL REACTION	++++	++++	---	---	+++	-/+
CHANGING OF WATER SPECIFICATION	++++	++	---	---	+++	+++
DISINFECTION CHEMICAL COST	++++	----	+	---	++	+
CONTACT TIME	++++	+	---	---	++	+++
SYSTEM OPERATION	+	+++	----	++++	+++	----
TRANSPORTATION AND STORGE	++++	----	----	----	++++	++++

ON LINE SYSTEM

MODEL NO

ONLINE



SWIMMING POOLS SYSTEM

MODEL NO

- OZCLO SW10
- OZCLO SW20
- OZCLO SW30
- OZCLO SW40
- OZCLO SW50



SWIMMING POOLS SYSTEM

MODEL NO

OZCLO SW100



SWIMMING POOLS SYSTEM

MODEL NO

OZCLO SW200
OZCLO SW300
OZCLO SW400
OZCLO SW500
OZCLO SW600

OZCLO SW700
OZCLO SW800
OZCLO SW900
OZCLO SW1000



WATER TREATMENT SYSTEM

COMPLET SYSTEM

MODEL NO

OZCLO B100
OZCLO B200
OZCLO B300
OZCLO B400
OZCLO B500

OZCLO B600
OZCLO B700
OZCLO B800
OZCLO B900
OZCLO B1000



COMPLET SYSTEM

MODEL NO

OZCLO S10
OZCLO S20
OZCLO S30
OZCLO S40
OZCLO S50



Our references:

- Unicef.
- International organization for migration.
- Help organization.
- Red cross & Red crescent Movement.



ICRC

CHRONOS is specialized in water treatment, where using the latest technology and international standards for all sectors (Industrial, Pharmaceutical, tourism, medical and Hospitals), in addition to other enterprises which need clean water **CHRONOS** is distinguished by its capable administrative and technical team which work persistently and constantly on improving their skills to reach the best level by searching and working hardly to reach their main objective which is presenting the best services to customers through advanced water treatment systems with real ensurance and after selling service.

