



# NatureChlor



NatureChlor is a semi-automated, salt water chlorine generation system specifically designed to make high-value Hypochlorous Acid (HOCl) efficiently. NatureChlor generates chlorine from a small amount of ordinary salt (Sodium Chloride, NaCl) dissolved in water. It's about 90% less concentrated than ocean water and is below the typical taste level of most humans. One teaspoon per gallon is all it takes for NatureChlor to produce fresh electrolyzed water.

Traditionally, electrolyzed water (HOCl) is generated and utilized in an industrial capacity for hospitals, grocery stores, and restaurants because of its powerful sanitation and disinfection properties. With NatureChlor, you can bring those same capabilities into your own home at a fraction of the cost, all while eliminating the exposure of harsh chemicals to your loved ones, along with maintaining a safe, healthy, and happy home.

- ✓ Spray on surfaces for cleaning, sterilization, or disinfection
- ✓ Use for kitchen, bathroom, high-touch surfaces, and more
- ✓ Contains no toxic chemicals: eco-friendly and people safe
- ✓ No added fragrances: perfect around people with asthma or allergies (may have a slight swimming pool scent from salt being electrolyzed)
- ✓ Up to 100 times stronger than bleach

**CONTROLOMATIC** has been utilizing the process of electrolysis for many years (since 2005) in the pool and spa industry to keep swimmers and bathers safe. We are proud to now use this same technology in a new application that offers a safe and affordable way to create hypochlorous acid, right inside your own home.

## What is Hypochlorous Acid (HOCl)?

Hypochlorous acid is a free chlorine molecule with the molecular formula HOCl. It is the dominate free chlorine species in chlorine solutions that have a slightly acidic to neutral pH.

★ **Fun Fact:** Hypochlorous acid (HOCl) is produced naturally by the white blood cells of all mammals, which includes [you](#), and is used to kill invading microbial pathogens.

## How does HOCl work?

It's all in the science...

Bacteria have negatively-charged cell walls. Just like with magnets, molecules with the same charge will repel each other. Since bleach molecules are negatively-charged as well, they are repelled by bacterial cell walls, thus requiring more volume and contact time in order to achieve the desired result. This is not the case with HOCl, which is neutrally-charged, so it can easily penetrate bacterial cell walls. Hypochlorous acid breaks down the cell walls and compromises the functionality of the proteins inside, thereby killing the bacteria.

## Are HOCl & NatureChlor EPA-registered?

Hypochlorous acid is an EPA-registered pesticide and can be found on the EPA's List N of approved COVID-19 disinfectants.

NatureChlor is a device, not a pesticide. Devices do not receive EPA registration, but they are still required to strictly adhere by certain laws, regulations, and reporting requirements. ControlOMatic, Inc. is an EPA-established device-producing facility, EPA Est. 96527-CA-1.

NatureChlor comes in three sizes:

## NatureChlor

For smaller volumes at a time, use NatureChlor. Easily make over 200 PPM in 1 quart of water in only 15 minutes—perfect for most households!

## NatureChlor+

Stepping up a level is the NatureChlor+. The “plus” option produces faster than the standard NatureChlor, while also giving you the ability to produce in larger volumes of water.

## NatureChlorMAX

For maximum production, use the NatureChlorMAX.

Make up to 5 Gallons, at 200 PPM, in just 1 hour!

Which size do you need?

Below is a production table for your reference:

<b>1 Quart Volume</b>			
	<b>NatureChlor</b>	<b>NatureChlor+</b>	<b>NatureChlorMax</b>
Salt	1/4 Teaspoon	1/4 Teaspoon	
Vinegar	1/2 Teaspoon	1/2 Teaspoon	
Water Volume	1 Quart	1 Quart	
Run Time	15 Minutes	15 Minutes	
Chlorine Level	200 PPM	300 PPM	
Run Time	30 Minutes	30 Minutes	
Chlorine Level	400 PPM	600 PPM	

<b>1 Gallon Volume</b>			
	<b>NatureChlor</b>	<b>NatureChlor+</b>	<b>NatureChlorMax</b>
Salt		1 Teaspoon	1 Teaspoon
Vinegar		2 Teaspoon	2 Teaspoon
Water Volume		1 Gallon	1 Gallon
Run Time		1 Hour	15 Minutes
Chlorine Level		200 PPM	125 PPM
Run Time			30 Minutes
Chlorine Level			250 PPM

<b>5 Gallon Volume</b>			
	<b>NatureChlor</b>	<b>NatureChlor+</b>	<b>NatureChlorMax</b>
Salt			2 Tablespoons
Vinegar			4 Tablespoons
Water Volume			5 Gallons
Run Time			1 Hour
Chlorine Level			200 PPM

Please Note: The amount of vinegar needed to keep pH in the recommended range (5-7) may vary from this table depending on the source of water used.



## Hear what other NatureChlor users are saying:

"When it comes to sanitizers, what could be better?"

Of all the products I have access to, I use hypochlorous acid made with the ingenuity of ControlOMatic to keep my family safe and healthy!"

Brian  
Facility Manager

"I really like your hypochlorous acid generators and I tell a lot of people in my industry about them. The NatureChlorMax is easy to use and I feel great about using a cleaner that is so safe and effective.

Steve  
Healthcare Provider

"We love using our NatureChlor for cleaning our chiropractic office. We love the fact that it is much less harmful than other cleaning products out there. Plus, another thing we really love is that we're not producing any plastic waste."

Kent & Jen  
Chiropractic Services

## Did you know?

### NatureChlor can also produce a degreaser!

Substitute salt with potassium carbonate and experience a whole new variation of what NatureChlor can do. Now, you have made a cleaner and degreaser, potassium hydroxide (KOH). KOH is generally recognized as safe (GRAS) by the FDA. It works great as a heavy duty degreaser for kitchen counters, ovens, stovetops, barbeques, and floors. It is a safe, non-toxic, all-natural solution produced with just water, potassium carbonate, and electricity.

We would love to hear from you:

Contact [sales@controlomatic.com](mailto:sales@controlomatic.com) for more info!

Visit

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

For Videos, FAQ's, & More



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