“QUICK KILL” ENVIROLYTE HYPOCHLOROUS (HOCI) GENERATOR DISINFECTION SYSTEM

SAFE, EFFECTIVE, AND CONSISTANT DISINFECTION OF ALL SURFACES ELIMINATING THE NEED FOR PURCHASED CHEMICALS

- CONSISTANT SUPPLY
- CONFORMS TO EPA CLASS-N & CLASS D
- NO RESIDUE – NO RINSING
- DISINFECT TO CDC & NIH STANDARDS
- LIMITLESS APPLICATIONS AND USES
- LONG SHELF LIFE

- EASY SET-UP
- 3RD PARTY VALIDATED
- ADJUSTABLE PH BALANCE / SOLUTION STRENGTH
- EXCEEDS HLAC & TRSA HEALTHCARE REGULATIONS
- COST SAVINGS VS PURCHASED CHEMICALS

FOGGING OR SPRAYING SAMPLE APPLICATIONS

Commercial Transport

Disinfection Chambers

PPE / Equipment

Food Service

Classrooms / Offices

WHAT IS HYPOCHLOROUS & HOW DOES IT WORK?

The “Quick Kill” Hypochlorous Generator processes electrolyzed water through electrolysis. This is where salt (NaCl) in the brine is electrically separated into its two main ions: Sodium (Na) and Chlorine (Cl). Those two ions are then mixed into two separate streams of fresh water thus making two very useful solutions; Hypochlorous Acid (HOCl), a strong disinfecting solution and Sodium Hydroxide (NaOH), which contains and carries away impurities eliminating residue from the Hypochlorous acid. The “Quick Kill” system is PH neutral and field adjustable.

Hypochlorous Acid (HOCI) is a highly potent oxidizing agent and will easily bind to the cell membrane of a bacteria, fungus, or virus and destroy the membrane, thus killing the cell. Studies with HOCl have shown that it is highly effective against resistant strains of bacteria and viruses such as C-Diff, MRSA HIV, TB, VRE. It effectively and efficiently kills human corona virus in seconds and has been shown to be 80-100 times more effective than liquid bleach in disinfecting.

Sodium Hydroxide (NaOH) is a PH basic solution that acts as an effective degreaser, surface and glass cleaner, carpet shampoo, vegetable wash and all-around cleaning solution. NaOH is commonly found as the only active ingredient in many of today’s commercial cleaners. As a byproduct of HOCI generation, it may be reserved or put to drain.

QUATERNARY VS “QUICK KILL” EFFECTIVENESS

Organisms	Quaternary Chemical Kill Time	“Quick Kill” 200 PPM Kill Time
Staph Aureus	3 min	5 sec
Klebsiella Pneumoniae	3 min	5 sec
E. Coli	3 min	5 sec
Pseudomonas	3 min	5 sec
Streptococcus	3 min	5 sec
MRSA	3 min	30 sec
HIV	1 min	60 sec
Influenza A	1 min	30 sec
Hepatitis B	3 min	30 sec
Norovirus	5 min	30 sec
Feline Calicivirus	5 min	30 sec
Covid-19	1 min	5 sec
Clostridium Difficile	n/a	30 sec
Hemophilus Influenza	n/a	5 sec
Enterovirus	n/a	5 sec
Salmonella Typhi	n/a	5 sec
Staphylococcus Epidermidis	n/a	5 sec
Listeria Monocytopenia	n/a	5 sec

Frequently Asked Questions

What can Hypochlorous Acid (HOCl) be used for?

HOCI can be used in fogging and spraying applications. Because it is economical to produce, it can also be used to mop floors.

Does Hypochlorous kill Covid-19?

Yes - See EPA website: “List N: Disinfectants for Use Against SARS-CoV-2”

Is HOCI EPA approved?

Yes - EPA registered as EPA LIST D & LIST N

Does HOCI leave residue or odor?

No - The agents that cause odors and residue are in the affluent of the process. These agents are disposed of down the drain. The affluent is EPA safe and does not require special processing.

Is there 3rd party validation?

Yes - Simple web searches will bring up multiple pages proving efficacy. Organizations such as The Lancet, CDC, NIH, and others provide this information.

Can I replace my other surface disinfectants for spraying or fogging hard surfaces?

Yes - Some users have completely replaced purchased chemicals with our Hypochlorous Acid “Quick Kill” system for spraying or fogging. The benefits are better disinfection and a sustainable self-made supply of product.

Is it safe for our staff to use without the need of protective gear?

Yes - HOCI is non-toxic. Burn units in hospitals use it for wound care and some grocers mist their displayed produce with Hypochlorous Acid.

Is Hypochlorous corrosive?

No - The byproduct of manufacturing HOCI is Sodium Hydroxide. Most systems combine the 2 agents. We separate the sodium hydroxide and dispose of it.

What is the operating cost to produce 1 gallon of HOCl?

After initial investment of the system, expenses including salt, water & electricity results in a production cost of 1.2 cents per gallon! If the system is used to replace conventional chemicals, ROI can be recognized in fewer than 2 years.

How much salt will this system use per year?

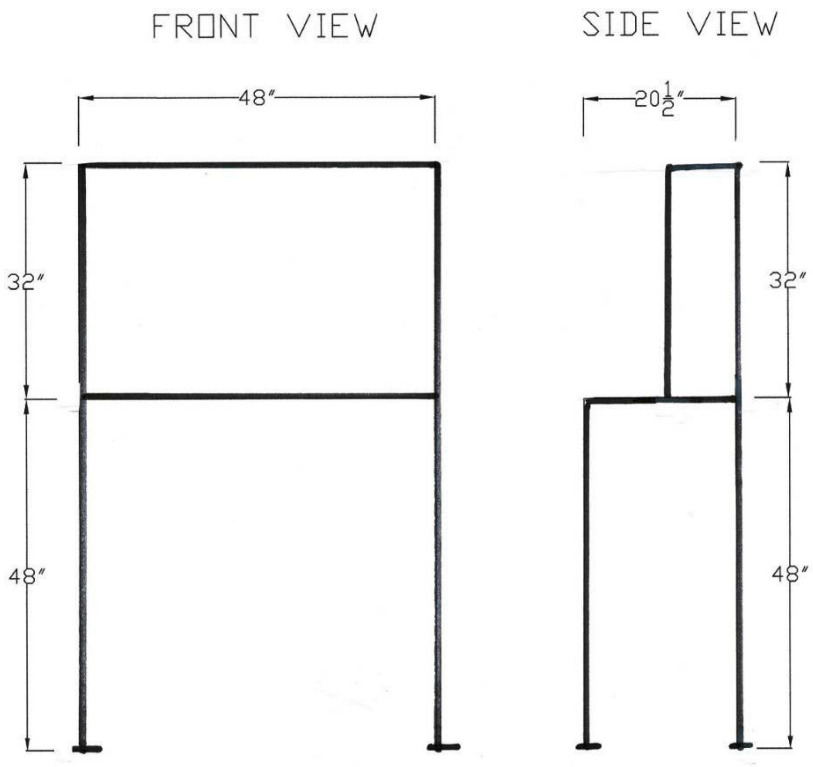
Approximately 3-5 (40lb) bags of pool/spa grade salt per year.

What size generator unit should I use for my applications?

System requirements will vary. Units produce between 5.28 and 79.25 gallons per hour.

DIMENSIONS AND UTILITY REQUIREMENTS

- ✓ WATER - 3/8” NPT, 10 GPM@35 PSI
- ✓ ELECTRICAL - 120/60/1 = 20 FLA
- ✓ WEIGHT - 220 LBS



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