“QUICK KILL”-ENVIROLYTE EPA SAFE AND EFFECTIVE DISINFECTION SYSTEM

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

- **100% CONSISTANT SUPPLY**
- **CONFORMS TO EPA LIST-N & LIST-D**
- **NO RESIDUE – NO RINSING**
- **DISINFECT TO CDC & NIH STANDARDS**
- **LIMITLESS APPLICATIONS AND USES**
- **LONG SHELF LIFE**

- **PLUG & PLAY – EASY SET-UP**
- **3RD PARTY VALIDATED**
- **ADJUSTABLE PH AND CHEMICAL STRENGTH**
- **EXCEEDS HLAC & TRSA HEALTHCARE REGULATIONS**
- **COST SAVINGS VS PURCHASED CHEMICALS**

SOME APPLICATIONS FOR HYPOCHLOROUS ACID

Foggers and Spray Bottles

Energenics Quick Kill Kartwasher

Fogging PPE Equipment

Fogging Guest/Patient Room

Fogging Ambulance

WHAT IS HYPOCHLOROUS & HOW DOES IT WORK?

Electrolyzed Water is the result of a process called electrolysis. It is the process 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 to drain eliminating residue from the Hypochlorous acid.

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. Look closely and you will see that NaOH is commonly found as the only active ingredient in many of today's commercial cleaners.

Hypochlorous Acid (HOCI) is a highly potent oxidizing agent and will 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 viruses such as Covid-19, C-Diff, MRSA, HIV, TB and VRE and has been shown to be 70-80 times more effective than bleach in cleaning and sanitizing.

QUATERNARY VS QUICK KILL EFFECTIVENESS

Organisms Killed	Quaternary chemical Kill Time	Energenics "500 PPM Quick Kill" Kill Time
Staph aureus	3 minutes	5 seconds
Klebsiella pneumoniae	3 minutes	5 seconds
E. Coli	3 minutes	5 seconds
Pseudomonas	3 minutes	5 seconds
Streptococcus	3 minutes	5 seconds
MRSA	3 minutes	30 seconds
HIV	1 minute	60 seconds
Influenza A	1 minute	30 seconds
Hepatitis B	3 minutes	30 seconds
Norovirus	5 minutes	30 seconds
Feline Calicivirus	5 minutes	30 seconds
Covid-19	1 minute	5 seconds
Clostridium Difficile	N/A	30 seconds
Hemophilus Influenza	N/A	5 seconds
Enterovirus	N/A	5 seconds
Salmonella Typhi	N/A	5 seconds
Staphylococcus Epidermidis	N/A	5 seconds
Listeria Monocytopenia	N/A	5 seconds

FREQUENTLY ASKED QUESTIONS

- **What can Hypochlorous be used for?**

  Hypochlorous can be used in fogging, spray bottles and because it is economical to produce. It can also be used to mop floors.

- **Does Hypochlorous kill Corona Virus (Covid-19)?**

  Yes - EPA website – "List-N: Disinfectants for Use Against SARS-CoV-2"

- **Is it EPA approved?**

  Yes – EPA registered as EPA-List-D & List N, effective against SARS, Covid-19, Hepatitis & HIV.

- **Does it leave residue or odors?**

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

- **Is there 3rd party validation?**

  Yes – Web searches will bring up multiple pages proving substantial efficacy by experts like The Lancet, CDC, NIH, and many other agencies.

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

  Yes – Some users have implemented this to their Cart Washing systems and are replacing purchased chemicals in spray bottles with Hypochlorous Acid produced with the Energenics Quick Kill system. The benefits are better disinfection and a sustainable self-made supply of chemicals.

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

  Yes – Hypochlorous is non-toxic, biodegradable, and proven to be safe when exposed. Burn units in hospitals use it for wound care and some stores mist their produce on display with Hypochlorous.

- **Is Hypochlorous corrosive?**

  No – The byproduct of manufacturing Hypochlorous 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 Hypochlorous Acid?**

  After the initial investment of the unit, the cost including salt, water & electricity results in a cost of 12 cents per gallon. If the system is used to replace conventional chemicals, the ROI can be less than 2 years.

- **How much salt will this system use per year?**

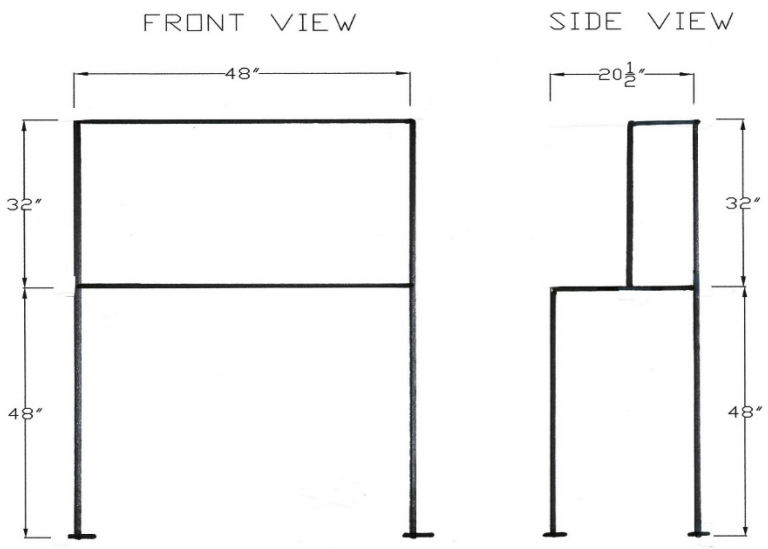
  Approximately 3-5 40 lb. bags of pool-spa grade salt.

- **What size unit should I use for a large automated Healthcare Laundry?**

  The ELA-400ANW will supply up to 10.57 Gallons/Hour

DIMENSIONS AND UTILITY REQUIREMENTS

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



OTHER ENERGENICS PRODUCTS FOR SAFE EFFECTIVE DISINFECTION

UV-MAX STANDARD HEIGHT

QUICK KILL KARTWASHER

UV-MAX CONVEYOR

UV-MAX LOW PROFILE

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