

Specifications

HYPOGEN[®] hypochlorous acid generators



- Touch-screen display
 - › Size 5" x 4" color display
 - › Resistive touch membrane overlay
- Built in safety sensors
 - › Water, flow, & level sensors
- Power supply
 - › 50 amp 24v switch mode
- Electrode stack
 - › [1] x 15,000 hr reverse polarity
- Operating temperature
 - › 45°F (7°C) to 95°F (35°C) air temperature
 - › 50°F (10°C) to 80°F (26°C) water temperature
- Electrical specifications
 - › Max AC primary amps – (3.5)
 - › Voltage / Hz – (110-240v 50/60Hz single phase)
 - › Breaker required – (15 amp)

Dimensions	HYPOGEN 2.0	HYPOGEN 5.0
Depth x width x height	19"x 45"x 56"	19" X 45" X 56"
Weight	80 lbs.	80 lbs.
Water required	HYPOGEN 2.0	HYPOGEN 5.0
Water flow	0.1 gpm	0.25 gpm
Water pressure (min)	25 psi	25 psi
Water pressure (max)	50 psi	50 psi
Water softener required	No	
Performance	HYPOGEN 2.0	HYPOGEN 5.0
Hypochlorous acid (sanitizer)	0.1 gpm (144 g / day)	0.25 gpm (360 g / day)
(sanitizer) pH	5.5 - 7 adjustable	
(sanitizer) FAC	> 1,000ppm	
Salt and acid usage	HYPOGEN 2.0	HYPOGEN 5.0
Estimated salt usage	10 lbs. / 240g	10 lbs. / 240g
Estimated acid usage	1g / 180g	1g / 180g
Salt type	Rock, solar or evaporated	
Acid type	Acetic acid / Muriatic acid (application?)	



Hypochlorous acid is a powerful oxidant and is up to 100 times more efficient at killing microbial pathogens than sodium hypochlorite, aka chlorine bleach.



ChlorKing pioneered on-site chlorine generating technology in the 1970's. Realizing the potential for swimming pools and commercial applications, the company began generating "ultimate water" with simple, yet highly advanced technology. Today, ChlorKing[®] leads the way in commercial saline chlorination and is consistently seeking new frontiers in sanitizing solutions including ultraviolet light technology and their NEX-GEN[®] on-site chlorine generators. These environmentally friendly solutions are changing the way we treat H₂O.



Safer water through smarter technology.

Salt Chlorination Systems • Ultraviolet Light Systems • Mixed Oxidant Systems

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HYPOGEN

On-Site Hypochlorous Acid Generator

Game Over
for Bacteria
and Viruses



Pathogens

Influenza
 Norovirus
 Bacillus
 Campylobacter
 Enterococcus
 Escherichia coli
 Listeria
 Pseudomonas
 Salmonella
 Staphylococcus
 Vibrio
 Hepatitis
 Fungi

Applications

Medical
 Healthcare
 Hospitality/ Hotels
 Parks & Recreation
 Cruise Ships
 Pools
 Schools
 Gyms
 Restaurants
 Produce Processing
 Food Prep
 Supermarkets
 Beverage & Dairy
 Seafood Processing
 Poultry Processing
 Food Contact Surfaces
 Biofilm
 Livestock
 Agriculture
 Water Treatment
 Cooling Towers
 Dental
 Hospital Sanitation
 Commercial Laundry



HYPOGEN

On-Site Hypochlorous Acid Generator

The ChlorKing HYPOGEN is a stand alone, on-site generator optimized to produce hypochlorous acid (NEW) with neutral pH, using ChlorKing technology. The system converts salt, water, weak acid and electricity into an effective, safe and powerful solution that can substitute for a number of conventional chemicals used on a daily basis.



Bleach is less effective.

Hypochlorous acid (HOCL) is the most effective disinfectant in the chlorine family available in dilute solution. It is suggested that HOCL is up to 100 times more efficacious than sodium hypochlorite. Because HOCL has no charge and has a relatively low molecular weight it is better able than the other chlorine based disinfectants to penetrate the cell walls. It also reacts more rapidly than other chlorine-based disinfectants to oxidation reactions with organic matter, i.e. the critical components of microbial

cells. Conversely the hypochlorite ion is a relatively poor disinfectant because of its inability to diffuse through the cell wall. Since it is negatively charged it is electrostatically repelled from the cell walls, which are also negatively charged. It is much larger in size than an HOCL molecule so it also diffuses more slowly due to its larger size.

Safe & Stable.

NEW (Neutral Electrolyzed Water) is an all-natural, organic, non-toxic, non-irritant, environmentally and ecologically safe sanitizing and disinfecting solution. It is produced from the electrochemical reaction of water, salt, weak acid and electricity. The applications for this technology are infinite and include any process or facility requiring sterilizing, disinfecting, cleaning or water purification.

Sanitizes.

NEW is revolutionizing sanitization and disinfections in all industries. Not only does this product provide a 'Green' solution, it is in line with the American public's concern over escalating disinfection processes and "deep cleaning" that has become necessary with the advent of COVID-19 and their growing demand for the industry to move quickly to implement more safe and natural products. This process provides a sanitizer and disinfectant that is up to 100 times more powerful than bleach.

Neutral Electrolyzed Water.

The primary component of NEW is hypochlorous acid, the most effective element of chlorine. NEW is pH neutral, super-oxidized water generated by electrolysis of a diluted NaCl solution passing through an electrolytic cell. This process creates large volumes of a gentle, but extremely potent antimicrobial solution capable of rapid reduction of bacteria, viruses, spores, cysts, scale and biofilm. NEW is stable, cost-effective to produce, greener than traditional chemical technologies, and can be used in multiple applications across a wide variety of industries.

NEW is efficient.

- NEW is generated on demand and applied where required to eliminate the logistical concerns of purchasing, trans-orting, storing, preparing and using traditional chemical applications
- The elimination of hazardous chemicals translates into reductions in regulatory paperwork, safety training requirements, safety inspections, and liability exposure
- Eliminates the need to monitor for chlorine dioxide residuals, chlorite, or bromates
- Provides more effective cleaning ability than other toxic chemicals

	ChlorKing (NEW) HOCl	Ozone	Chlorine Dioxide	Hydrogen Peroxide	Sodium Hypochlorite (Bleach)
Ready to use	✓		✓	✓	✓
Environmentally friendly	✓				
Kills bacteria	✓	✓	✓	✓	✓
Non-corrosive	✓				
Non-toxic	✓				
Harmless to humans	✓				
Deodorizer	✓	✓		✓	✓
Non-flammable	✓	✓		✓	✓
Easily disposed	✓			✓	
No PPE required	✓				
No requirements for storage	✓				

