

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?)	



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Learn more about hypochlorous acid at <https://www.chlorking.com/products/hypochlorous-acid-generators/>



Producing hypochlorous acid on-site saves time and money. Why rely on supply chains for your sanitizing and disinfecting needs, when you can produce all the sanitizer you need, on-site.

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

Effective sanitizing solution produced on-site



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 solution that can substitute for a number of conventional chemicals used on a daily basis.

Single stream technology.



The ChlorKing HYPOGEN uses single stream technology to produce HOCl as opposed to most HOCl generators available on the market. Most other electrolyzed water systems use a membrane separating the cathode from the anode, which produces anolyte (HOCl) and catholyte (Sodium hydroxide). This technology is very unreliable and requires frequent maintenance. This technology also requires the sodium hydroxide run to waste as it is a by-product of the HOCl production.

Reliability.

HYPOGEN produces HOCl from from the electrochemical reaction of water, salt, weak acid and electricity. ChlorKing is a leader in the design and manufacturing of on-site generators, using our patented cells and time tested components.

Why generate on-site.

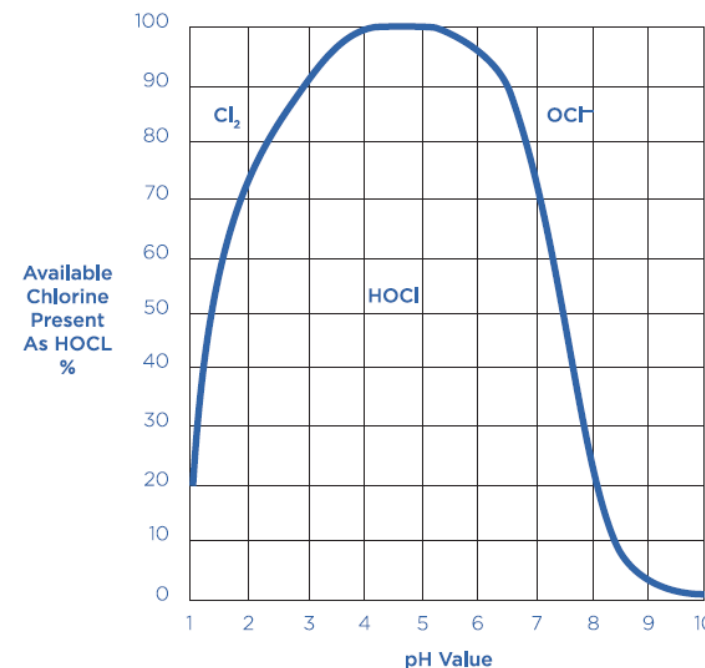
When supply chains are stretched thin, having the ability to produce your own sanitizer and disinfectant at your facility means you no longer have to rely on third party suppliers. Raw materials for the production of HOCl are easy to find and readily available from your local hardware stores.

Operational details.

The ChlorKing HYPOGEN system produces HOCl at 1,000ppm FAC with a pH range of 5.5 - 6.5, producing over 95% HOCl consistently. The system utilizes ChlorKing saturated salt feeders and level switches to automate the production process. As you use solution, the system automatically turns on and fills the holding tank. Maintaining salt in the salt feeder, and weak acid in the acid feeder is all that is required by the operator. The HYPOGEN system utilizes reverse polarity cells, so no cleaning of the cells is necessary.

HOCl is pH dependant.

pH is very important in the production of HOCl. HYPOGEN controls the pH during production with our automated system.



Cost to produce HOCl.

ChlorKing HYPOGEN systems require very little raw materials to produce HOCl, and can produce a gallon of the solution for less than 3 cents. Compare that with the cost of sanitizing and disinfecting solutions purchased each month for your facility.

HYPOGEN On-Site HOCl Generator MODELS

HYPOGEN 2.0 (144 GPD)

HYPOGEN 5.0 (350 GPD)

HYPOGEN 25 (1,700 GPD)

