

ZGEN-14

Hypochlorous Acid Generators

Effective disinfection solution made on-site.

- Simple Installation
 - Non-Toxic
- Powerful & Versatile Disinfectant



The ZGEN-14 Model

The TMI ZGEN-14 is a stand-alone, on-site generator optimized to produce hypochlorous acid with neutral pH. Using advanced technology the system converts salt, vinegar, water and electricity into an effective, safe and powerful solution that can substitute for a number of conventional chemicals used on a daily basis.

Uses

- Kills bacteria (1)
- Kills viruses (2)
- Sanitizes hard surfaces(3)
- Cleaning food surface preparation areas
- Tile floor cleaning
- General surface Cleaning
- Fogging / Misting

Specifications

- 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 DC water-cooled switch mode
- Electrode stack
 - › [1] x 15,000 hr reverse polarity
- Operating temperature
 - › 45°F (7°C) to 115°F (46°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)

Skid dimensions and weight		
Depth x width x height	19"x 45"x 64"	48cm x114cm x162cm
Weight	300 lbs.	136 kg
Water required		
Water flow	0.1 gpm	0.3785 lpm
Water pressure (min)	10 psi	0.7 bar
Water pressure (max)	25 psi	1.7 bar
Water softener required	No	
Generator performance		
Hypochlorous acid (sanitizer)	0.1 gpm (144 g / day)	0.3785 lpm (545 l / day)
(sanitizer) pH	5.5 - 6.5	
(sanitizer) FAC	> 1,000ppm	
Salt and acid usage		
Estimated salt usage	10 lbs. / 240g	4.5 kg / 908 L
Estimated acid usage	1g / 180g	3.7 L / 680 L
Salt type	Rock, solar or evaporated	
Acid type	30% Vinegar	

(1) Bacterias tested by third party labs [PASS, 10 MCT]: Pseudomonas Aeruginosa (ATCC 15442), Staphylococcus Aureus (ATCC 6538)
(2) Viruses tested by thirds party labs [Log Reduction > 4.25, 10 MCT]: Rhinovirus 37 (Strain 151-1 ATCC VR-1607), Adenovirus 5 (Strain Adenoid 75, ATCC VR-5), Phi6 Bacteriophage
(3) Sanitizer for use on hard surfaces, Staphylococcus Aureus (ATCC 6538), 1 MCT.

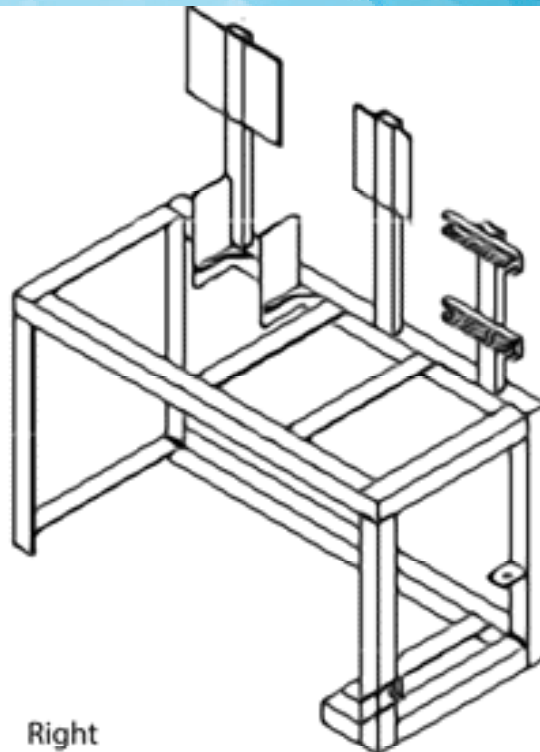
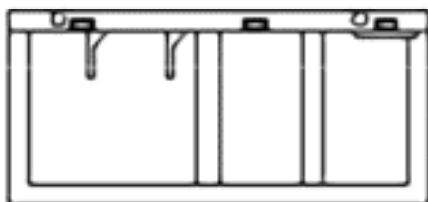


TMI SALT PURE
CORPORATION

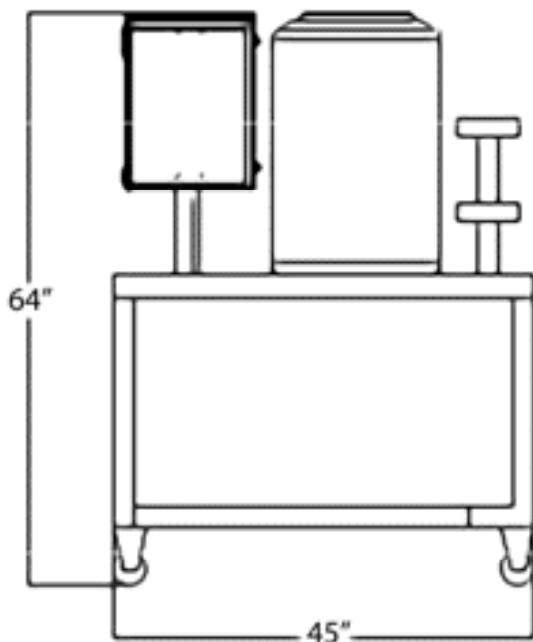
Dimensions

HOCI Generator Skid

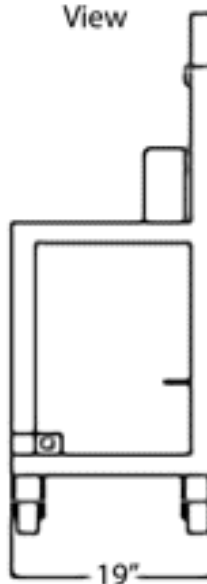
Top View



Front View



Right Side View



TMI Salt Pure Corporation has pioneered on site chlorine generation for over 25 years. Considered a leader in the commercial recreational water sector, our clients span a number of countries and includes: health clubs, universities, hospitals, indoor water parks and more. The ZGEN technology is a straightforward, smaller scale version of the process we use in large commercial pools. As with the aquatics arena, TMI will provide its highly regarded remote technical support for all technical assistance with the operation and maintenance of the ZGEN.



Salt Chlorination Systems • Ultraviolet Light Systems • Chemistry Controllers