



**MICROBE NINJA™**

**Producing a powerful  
HOCl solution on-site  
has never been easier!**

**NinjaGen**  
ON-SITE HYPOCHLOROUS ACID GENERATORS

Hypochlorous Acid Generators

**NinjaGen 1440**



### The NinjaGen model 1440

The Microbe Ninja™ NinjaGen 360 is a stand-alone, on-site generator optimized to produce hypochlorous acid with an adjustable pH. Using Microbe Ninja technology the system converts salt, water and electricity into an effective and powerful solution that can substitute for a number of conventional chemicals used on a daily basis. This translates to a strong supply chain and savings over time. Keeping your business operating smoothly is easy with the NinjaGen.

#### Uses

- Kills bacteria <sup>(1)</sup>
- Kills viruses <sup>(2)</sup>
- Sanitizes <sup>(3)</sup> hard surfaces
- Cleans multiple surface types
- Any situation where sodium hypochlorite or calcium hypochlorite have traditionally been used.

#### Specifications

- Touch-screen display
  - › Size 5" x 4" color display
  - › Resistive touch membrane overlay
- Built in safety sensors
  - › Water, flow, & level sensors
- Power supply
  - › 100 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 – (24)
  - › Breaker required – (40 amp)

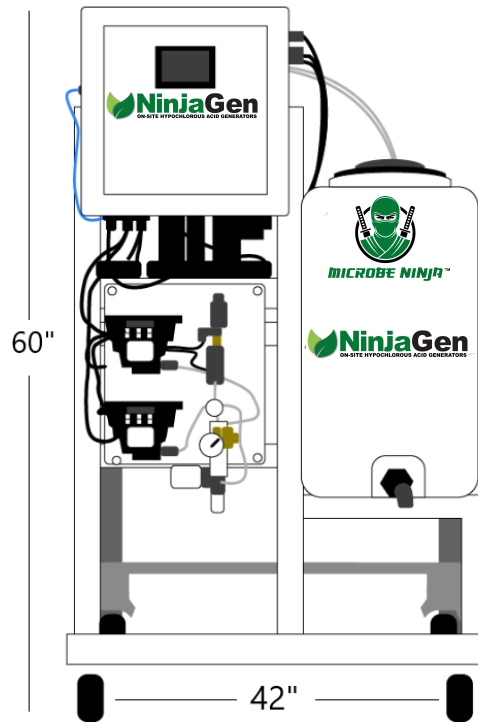
Skid dimensions and weight		
Depth x width x height	24"x 42"x 60"	60cm x 106cm x 152cm
Weight	280 lbs.	127 kg
Water required		
Water flow	1 gpm	3.785 lpm
Water pressure (min)	25 psi	2 bar
Water pressure (max)	50 psi	4 bar
Venting required	2" outlet to atmosphere	
Water softener required	No	
Generator performance		
Hypochlorous acid (sanitizer)	1 gpm (1,440g / day)	3.785 lpm (5,490 l / day)
(sanitizer) pH	5.5 - 7 adjustable	
(sanitizer) FAC	> 1,000ppm (500ppm module available)	
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	Acetic acid / Muriatic acid	

(1) Bacterias tested by third party labs [PASS, 10 MCT]: Pseudomonas Aeruginosa (ATCC 15442), Staphylococcus Aureus (ATCC 6538)

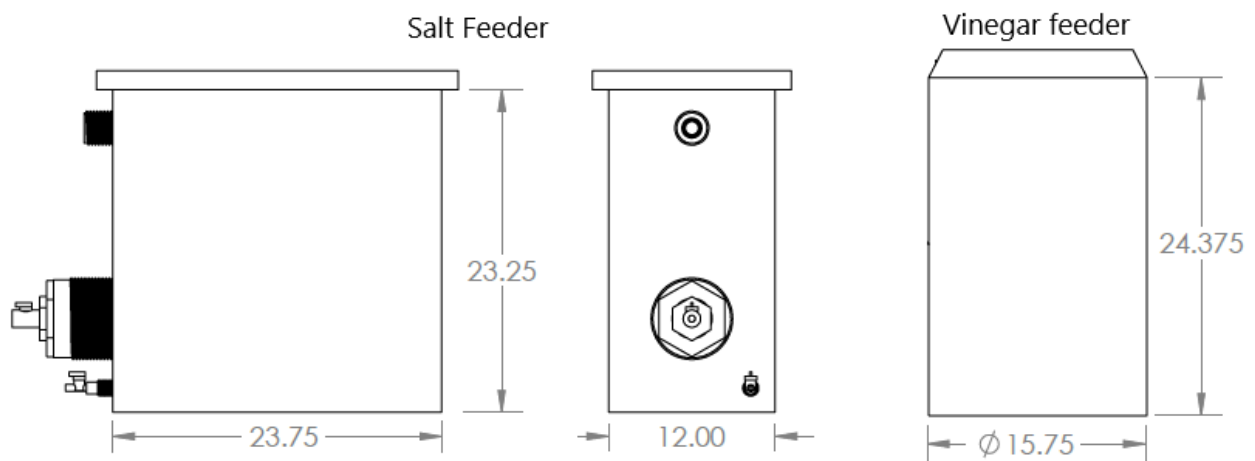
(2) Viruses tested by third party labs [Log Reduction > 4.25, 10 MCT]: Rhinovirus 37 (Strain 151-1 ATCC VR-1607), Adenovirus 5 (Strain Adenoid 75, ATCC VR-5), Phi6 Bacteriophage

(3) Sanitizer for use on hard surfaces, Staphylococcus Aureus (ATCC 6538), 1 MCT.

## Dimensions



› Voltage / Hz – (208-240v 50/60Hz single phase)



Microbe Ninja™ is leading the way in commercial saline chlorination with environmentally friendly solutions changing the way we treat H<sub>2</sub>O.

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