

From Wave Parks  
To Wading Pools,  
We Have A NEXGEN®  
System To Meet  
Your Needs.



ChlorKing's NEXGEN on-site chlorine generators are leading the way to better, safer water. Their unique, forward-thinking design generates liquid chlorine from salt that is stored on site and uses the pool as the source water for the product. NEXGEN eliminates the need for storing large amounts of chlorine and doesn't generate the odors associated with traditional chlorine. Any of the NEXGEN systems can be fully customized to meet your needs and are easy to install, maintain and operate.

### The NEXGEN 50SM-R

The ChlorKing® NEXGEN 50SM-R is a stand-alone, on-site chlorine generator capable of producing 60 lbs. of pH neutral equivalent chlorine per 24 hours. This is a low maintenance model which utilizes reverse polarity to clean the plates every 3 hours. The unique design uses swimming pool water to feed the generator and distribute chlorine to the pool as needed. Up to 6 bodies of water can be sanitized with one NEXGEN system using our venturi feed systems and can be used in conjunction with any ORP/pH controller. This product requires no salt in the swimming pool and will not raise TDS levels as with other chlorine generators. Hydrogen, the by-product is safely vented to atmosphere through a 2" (5cm) PVC pipe on top of the production tank.

### Specifications

- Touch-screen display
  - › Size 5" x 4" (12cm x 10cm) color display
  - › Resistive touch membrane overlay
- Built in safety sensors
  - › Air, water, pressure, & level sensors
  - › Power supply
  - › 100 amp 24v DC water-cooled
- Electrode stacks
  - › 2-30 lb, 15,000 hr reverse polarity in clear housing
- Operating temperature - power supply cooling
  - › 35°F (2°C) to 115°F (46°C) air temperature
  - › 40°F (4°C) to 104°F (40°C) water temperature

- Pool source water
  - › Up to 94°F (34°C) water temperature
- Electrical specifications
  - › Max primary amps – (45)
  - › Typical operating amps – (30)
  - › Voltage / Hz – (208-240v 50/60Hz single phase)
  - › Breaker required – (60 amp)
- Skid dimensions & weight
  - › 48" (121cm) L x 28" (71cm) W x 68" (172cm) H
  - › 48" (121cm) L x 22" (55cm) W x 40" (101cm) H (salt feeder)
- Plumbing requirements
  - › 2" (5cm) inlet and outlet requiring 80 gpm (302 Lpm)
  - › 2" (5cm) outlet for hydrogen removal to atmosphere
  - › Maximum NEXGEN venturi return line pressure (including pool return line) - 25psi



### Main Features

- On-site chlorine generator capable of producing 60lbs. (equivalent to 60 gal of 12% bleach) per 24 hrs.
- Process uses swimming pool water to produce HOCl (hypochlorous acid). No fresh water is added.
- No salt is required in the pool
- pH neutral chlorine produced (HOCl)
- Reverse polarity for low maintenance
- Programmable touch-screen with auto correct features
- Skid mounted on wheels for easy installation
- Water-cooled power supply

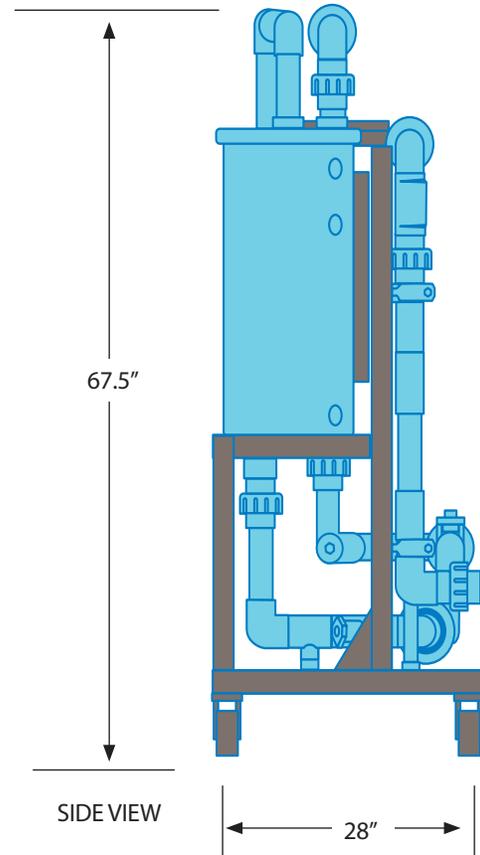
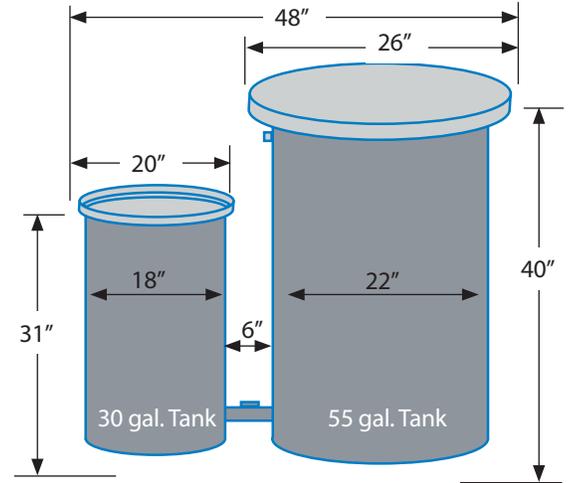
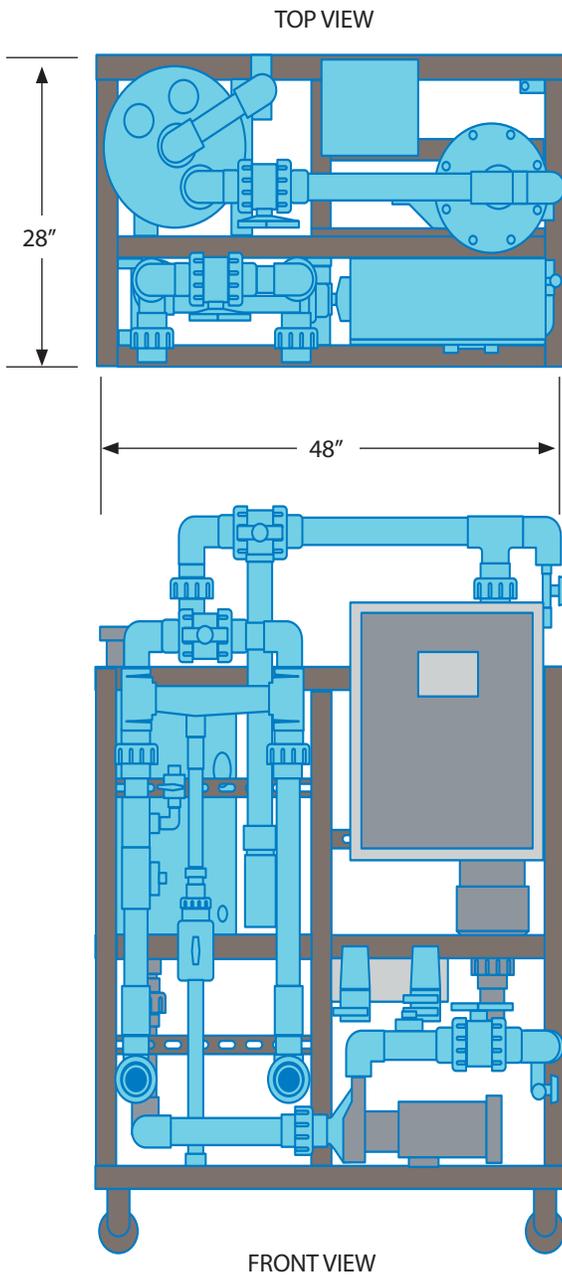
### Applications

- Commercial swimming pools
- Water-parks
- Wave and surf riders

### Order Information

- Product code: NEXGEN 50SM-R

# NEXGEN®50SM-R Dimensions & Tank Layout



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® pH onsite chlorine generators. These environmentally friendly solutions are changing the way we treat H<sub>2</sub>O.



Saferwaterthroughsmartertechnology.

Salt Chlorination Systems • Ultraviolet Light Systems • Mixed Oxidant Systems

ChlorKing Inc. 6767 Peachtree Industrial Blvd Norcross GA 30092 sales@chlorking.com 800.536.8180 chlorking.com