

Solution For Water Parks

NEXGEN ON-SITE CHLORINE GENERATORS



ADVENTURELAND

A WHOLE NEW SYSTEM BEFORE OPENING DAY.

When Adventureland waterpark in Altoona, IA designed the renovation of their park in 2010, ChlorKing X-GEN systems were selected to provide the chlorine required. With over 600,000 visitors each year, this is one of the busiest waterparks in the midwest.

In 2012 when the second phase of the park was built, they again added X-GEN systems bringing the total chlorine production to over 400 lbs. of FAC per 24 hours.



Safer water through smarter technology

PROTECTS

SCOPE OF PROJECT

Overview

2010 Renovation and 2012 new construction

Location

Altoona, Iowa

Project scope

1,300,000 gallons comprising various bodies of water

Equipment installed

10 x X-GEN 40 on-site chlorine generators capable of producing 400 lbs. of equivilant chlorine per 24 hours.

X-GEN 40 specifications

- Chlorine production capacity
 - › 40 lbs. per 24 hours
 - › pH range 9 - 9.5
- Salt usage
 - › 2-3 lbs. salt per 1 lb. FAC produced
- Operating temperature
 - › 35°F (2°C) to 115°F (46°C) air temperature
 - › 40°F (4°C) to 104°F (40°C) water temperature
- Electrical specifications
 - › Max primary amps – (32)
 - › Voltage / Hz – (208-240v 60Hz single phase)
 - › Breaker required – (60 amp)

- Skid dimensions & weight
 - › 48”L x 28”W x 68”H (1,000 lbs)
 - › 48”L x 22”W x 40”H (salt feeder)
- Plumbing requirements
 - › 1.5” inlet and outlet requiring 80 gpm
 - › 2” outlet for hydrogen removal to atmosphere
 - › Maximum X-GEN venturi return line pressure 25psi

Main Features

- On-site chlorine generator capable of producing 40 lbs. FAC (equivalent to 40 gal of 12% bleach) per 24 hrs.
- Process uses swimming pool water to produce sodium hypochlorite (no fresh water added)
- No salt is required in the pool

Results

- A better, safer, more cost effective solution for a busy water park.

Notes

In 2013 ChlorKing released the new NEXGEN line of chlorine generators featuring touch-screen controls and built-in cell cleaning capabilities

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 H₂O.



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On-site Chlorine Generators

Ultraviolet Light Systems

Mixed Oxidant Systems