

AUTOPILOT[®]

SALT CHLORINE GENERATORS



AquaCal AutoPilot, Inc. | 2737 24th Street North | St. Petersburg, FL 33713 | autopilot.com



Why Chlorinate Your Pool?

Crystal Clear Water

- 💧 Chlorine is the easiest, most effective way to keep your swimming pool water sanitary and sparkling clear
- 💧 There are many ways of adding chlorine to your pool
- 💧 AutoPilot® salt chlorine generators use electrolysis to convert dissolved salt to liquid chlorine



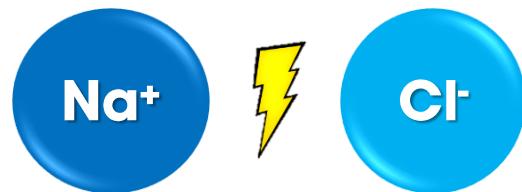
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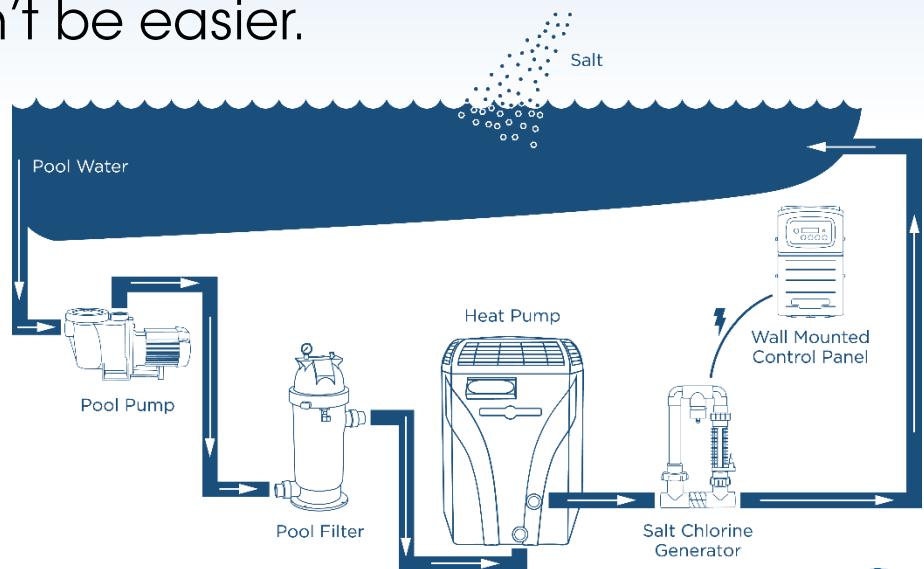
Here is How it Works

It's Automatic

When salt is passed over the specially coated blades in an electrolytic cell, it is converted into liquid chlorine. The process is called electrolysis. It is simple and automatic because it takes place within your pool's circulation system. Pool maintenance couldn't be easier.



Electrolysis separates the molecules. We use the Cl (chlorine) and then it recombines back to NaCl (salt).



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Why Use a Salt Chlorine Generator?

- Maximize the enjoyment of pool ownership ~ less work, more pool enjoyment
- No more strong chlorine smell
- No more red eyes
- No more vacation worries
- Daily chlorine maintenance automatically
- Water feels better on skin – soft and silky
- Healthier pool water – day in and day out
- No transportation or storage of harsh, dangerous chemicals



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Why Use an AutoPilot® Salt Chlorine Generator?

It's the Best!

- 💧 AutoPilot® has been the technological leader since 1976
- 💧 More than a half million satisfied AutoPilot® owners worldwide
- 💧 AutoPilot® sets the standard for dependability
- 💧 Units available to fit every budget and need



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Most Intelligent Salt System Available

- Voltage and current readout
- Fully automatic – no external control required
- Operates at water temperature up to 104°F (40°C)
- Freeze protection available
- Pool pump automation available
- Patented temperature compensation adjusts chlorine output to changing chlorine demands based on water temperature
- Adjustable self cleaning times give longer cell life



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Chemical Benefits of Salt Chlorine Generators

Easier to Balance the Water

| Sanitizing Method | | | | Direct Effect on Your Pool Water | | | |
|------------------------------|----------------------------------|------|----------------------------|----------------------------------|------------------|-----|---------------|
| Common Name | Actual Chemical | pH | Recommended Test Frequency | pH | Total Alkalinity | TDS | Cyanuric Acid |
| Salt Chlorinators | 100% Pure Sodium Hypochlorite | 7.8 | 2x/month | = ↑ | = | = | = |
| Liquid Chlorine | 10% Strength Sodium Hypochlorite | 13.0 | 2x/week | ↑ | ↑ | ↑ | = |
| Large or Small Tabs | Trichloro-s-Triazinetrione | 3.0 | 1x/week | ↓ | ↓ | ↑ | ↑ |
| Granular Chlorine (HTH) | Calcium Hypochlorite | 11.8 | 2x/week | ↑ | ↑ | ↑ | = |
| Granular Stabilized Chlorine | Sodium Dichloro-s-Triazinetrione | 6.0 | 1x/week | ↓ | = | ↑ | ↑ |
| Bromine | Chlorine / Bromine Complex | 4.6 | 1x/week | ↓ | ↓ | ↑ | n/a |



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Salt Myths and Facts

Myth - Salt is corrosive.

Fact - 4 ppm (mg/L) of free chlorine is 10 times more corrosive than 4,000 ppm (mg/L) of salt on stainless steel.

Myth - Salt generator is an alternative sanitizer.

Fact - Salt is used to make chlorine onsite. Salt itself is not a sanitizer.



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Salt Myths and Facts

Myth - Salt chlorine generators are not compatible with other forms of chlorine or support chemicals.

Fact - Chlorine made by a salt chlorine generator is compatible with all forms of chlorine and all balancing chemicals used with any form of chlorine.

Myth - When you have a salt chlorine generator, it does all the work and you don't have to be concerned with stabilizer or water balance.

Fact - The salt chlorine generator will create the chlorine but you still must balance your pool, however it will be less often than with other forms of chlorination.



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An AutoPilot® to Fit Every Need

ChlorSync®



Pool Pilot®
DIGITAL NANO



Pool Pilot®
DIGITAL NANO
+PLUS



Pool Pilot®
Digital.



Pool Pilot® Digital
TOTAL CONTROL SYSTEM



COPILOT
OZONATOR³



Pool Pilot®
Professional



AUTOPILOT®
SALT CHLORINE GENERATORS

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MADE IN USA

TEAM HORNER
Employee Owned

New from AutoPilot®

ChlorSync®

Features:

- Choice of 3 models to suit pool size – 30,000, 40,000, 50,000 gallons (114, 151, 189 m³)
- Automatic model detection
- Patented temperature compensation
- 24 hour boost cycle
- Advanced sensors measure temperature, salt and flow
- Operates at flow rates as low as 20 gpm (4.54 m³/h)
- Automatic cover connection capability
- PoolSync® Ready



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New from AutoPilot®

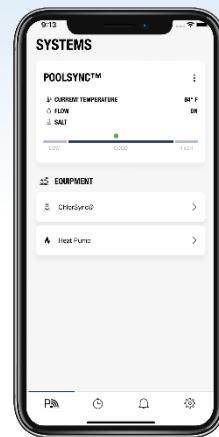
PoolSync®

WiFi Controller and Phone App

Get advanced functionality when paired with the PoolSync®

- PoolSync® Ready equipment can be connected and controlled through the PoolSync® app
- View current salt level and water temperature
- See how much salt to add, when needed
- Receive notification when the cell needs to be cleaned
- Be alerted should the unit need any attention

*AquaCal® heat pumps with HP9 controller are also PoolSync® Ready

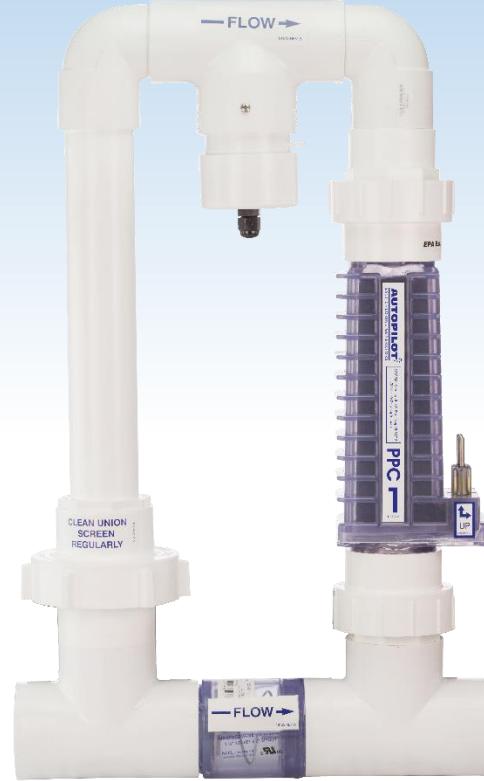


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AutoPilot's Patented Manifold System

- As the water passes through the manifold, it reaches levels of breakpoint chlorination in the cell, destroying chloramines that are the source of chlorine odor, red eyes and most of the negative reactions blamed on chlorine.



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Tri-sensor

Flow Sensor

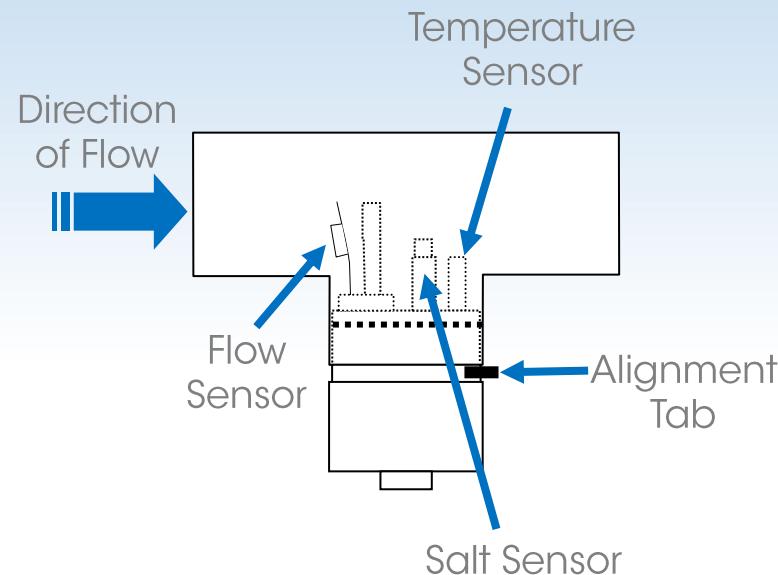
- Safety cut off
- Measures flow, not pressure

Salt Sensor

- Gives accurate salt readings, basically a miniature TDS reader
- Indicates amount of salt to add to achieve 3,000 ppm (mg/L)

Temperature Sensor

- Patented temperature compensation increases and decreases output based on temperature
- Gives accurate temperature readings
- Operates below 50°F (10°C), when the competitors cut off



Pool Pilot® DIGITAL NANO

Pool Pilot® DIGITAL NANO

+PLUS

Features:

- Digital readout displays English, Spanish, French, Italian, Czech or German
- Nano+ maintains pools up to 32,000 gallons (121 m³)
- Nano maintains pools up to 28,000 gallons (106 m³)
- Digital readout displays:
 - Salt level
 - Amount of salt to add
 - Water temperature
 - Diagnostics
- Patented temperature compensation automatically adjusts production levels – up in summer, down in winter – adds life to cell
- 24 & 72 hour boost cycles



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Pool Pilot® Digital.

Features:

- Digital readout displays English, Spanish, French, Italian or German
- Extra bright Vacuum Fluorescent Display is visible in sunlight.

Indicates:

- Salt level
- Amount of salt to add
- Water temperature
- Diagnostics

- Patented temperature compensation automatically adjusts production levels – up in summer, down in winter – adds life to cell
- 24 & 72 hour boost cycles
- Operates at all salt levels - 2,000 to 35,000 ppm (2 to 35 g/L)
- Soft reverse cell cleaning
- Choice of 4 cells to suit pool size
- Easy installation and service
- To increase cell longevity and accommodate larger demands, select from 3 power level settings



5 amps 6.5 amps 8 amps
Longer cell life ← → More cell output

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SALT CHLORINE GENERATORS

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MADE IN USA

TEAM HORNER
Employee Owned

Pool Pilot® Digital TOTAL CONTROL SYSTEM

Features:

- Extra bright Vacuum Fluorescent Display is visible in sunlight.
Indicates:
 - Salt level
 - Amount of salt to add
 - Water temperature
 - Diagnostics
- Works with Pool Chemistry Controller 75001:
 - Constantly measures active sanitizer level and produces chlorine on demand
 - Constantly measures pH level and activates acid pump when needed
- Choice of 4 cells to suit pool size



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COPILOT OZONATOR³

Features:

- Get the convenience of salt chlorination with the power of ozone that destroys up to 99.99% of microorganisms in the pool ~ the Best of Both Worlds
- CoPilot® with Nano maintains pools up to 55,000 gallons (208 m³)
- CoPilot® XL with Digital maintains pools up to 100,000 gallons (379 m³)
- Ozone reduces the need for chlorine by 60-90%, allowing the Pool Pilot® to simply maintain the chlorine residual in the pool, extending the cell life
- Promotes swimmers health and safety



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Pool Pilot® *Professional*

For Commercial Applications

Features:

- Modular design allows for up to 6 independent power supplies in a single enclosure – up to 6 cells in a single manifold
- Each system produces up to 15.72 lbs. (7.13 kg) of chlorine per day
- Digital panel monitors independent cell performance
- Enclosure door features a window and light pipes for viewing the digital display and system status LEDs with the door closed
- Patented temperature compensation
- Operates at all salt levels - 2,000 to 35,000 ppm (2 to 35 g/L)
- Compatible with ORP controllers



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Maximum Chlorine Output at Multiple Salt Levels

| Cell | Chlorine Output at 2,500 ppm salt | Chlorine Output at 3,500 ppm salt | Chlorine Output at 4,500 ppm salt |
|---------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| PPC1 (w/Nano) | 0.80 lb/day (15 g/h) | 0.88 lb/day (16.5 g/h) | 0.96 lb/day (18 g/h) |
| PPC2 (w/Nano+) | 1.06 lb/day (20 g/h) | 1.13 lb/day (21 g/h) | 1.19 lb/day (22 g/h) |
| PPC1 (w/DIG, ST or 75003) | 1.28 lb/day (24 g/h) | 1.36 lb/day (25.5 g/h) | 1.44 lb/day (27 g/h) |
| PPC3 (w/DIG, ST or 75003) | 1.56 lb/day (29 g/h) | 1.69 lb/day (31.5 g/h) | 1.81 lb/day (34 g/h) |
| PPC4 (w/DIG, ST or 75003) | 1.92 lb/day (36 g/h) | 2.05 lb/day (38.5 g/h) | 2.18 lb/day (41 g/h) |
| PPC5 (w/DIG, ST or 75003) | 2.62 lb/day (49 g/h) | 2.83 lb/day (53 g/h) | 3.04 lb/day (57 g/h) |
| CS30 | 1.10 lb/day (20.8 g/h) | 1.17 lb/day (22.1 g/h) | 1.24 lb/day (23.4 g/h) |
| CS40 | 1.40 lb/day (26.5 g/h) | 1.50 lb/day (28.4 g/h) | 1.71 lb/day (32.2 g/h) |
| CS50 | 1.70 lb/day (32.1 g/h) | 1.82 lb/day (34.4 g/h) | 2.09 lb/day (39.5 g/h) |



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