



QIAOYI WATER TECHNOLOGY

HYGCOOL

Guangzhou Qiaoyi Water Treatment Technology Co., Ltd.
Guangzhou Jin Meiyuan Materials Development Co., Ltd.



Directory

- ◆ Company Profile
- ◆ Qualification Certificate
- ◆ Five-parameter Water Quality Online Monitor
- ◆ Four-parameter Water Quality Online Monitor
- ◆ Intelligent Water Treatment Control System
- ◆ Measure ,Control&Dosing Systems
- ◆ SnowDerma Flash
- ◆ Sodium Hypochlorite Generator
- ◆ Advanced Oxidation Disinfectant
- ◆ Medium-Pressure Ultraviolet



Guangzhou Qiaoyi Water Treatment Technology Co., Ltd. has been deeply engaged in the industries of hot spring, swimming pool, water park and spa for more than 20 years. It is an ISO-certified enterprise that provides one-stop services from independent research and development and production of Satellite Cloud Smart series products to design, construction and maintenance of projects.

Based on its focus and profound insight into the industry, the company uses the spirit of craftsmanship and adheres to the concept of "Focus on technology, care for health", continuously researches and develops leading innovative technology products, and is committed to providing users with efficient, safe, environmentally friendly and intelligent water treatment, disinfection and sterilization equipment and all-round solutions to ensure the hygiene and safety of water quality and create a healthier and better water environment.

With the business philosophy of "Innovation as the heart, quality as the core, and service first", the company, with its strong technical strength, has undertaken the construction of water spa, sauna rooms, energy steam rooms, swimming pools and other engineering projects for more than a thousand large spa clubs, five-star hotels (Banyan Tree, Wyndham, Sheraton, etc.), water parks and large hot spring resorts at home and abroad, and maintains cooperative relationships with many well-known real estate developers such as Poly, R&F and OCT. It has established the image of "the leading enterprise of one-stop service in the hot spring spa industry" in the domestic industry and has become a one-stop service provider with high integrity and strong comprehensive strength in the industry. It is one of the few enterprises in the industry that has a safety production license, the professional contracting qualification for building mechanical and electrical installation engineering, the professional contracting qualification for environmental protection engineering, and the certifications of quality, environment and occupational health and safety management system.

"Lofty ambition and joint efforts!" The accumulation of more than 20 years of industry experience has given Qiaoyi a solid foundation. We firmly believe that: Qiaoyi is your trustworthy partner!



Showroom



Professional design



Professional team

Independent research
and development

Team meeting



Precise construction

Rich Certifications Abundant Strength and Leading Technology

Since the establishment of the company, it has maintained a healthy, stable and rapid growth. During its development over the past two decades, the company has successively introduced many professional engineers, designers and other senior technical talents in the industry. The company holds a Work Safety Permit, a Class III Contractor Qualification for Building Mechanical and Electrical Installation Engineering, a Class III Contractor Qualification for Environmental Protection Engineering, as well as certifications for the Environmental Management System, the Quality Management System, and the Occupational Health and Safety Management System. The independently developed Satellite Cloud Wisdom System products of the company have a number of software copyrights, design patents, utility model patents, etc.





Five-parameter Water Quality Online Monitor



Product Features

- A 7-inch high-resolution touch screen that can simultaneously detect five parameters including pH, ORP, residual chlorine, turbidity, and temperature.
- Multiple international standard parameters are available for free selection.
- The electrode has built-in temperature compensation. Under normal circumstances, the turbidity electrode can be used without calibration.
- Wireless SIM card connection enables remote computer monitoring and online data query on mobile devices.
- The detection water channel is equipped with a flow meter, which is suitable for the installation environment of complex water channels.
- It has a water flow switch protection function to prevent dosing when the circulation pump is not started.
- 5-way waterproof socket control, directly drives dosing equipment below 2A, fully automatic dosing
- The water quality cloud platform can directly download historical data and query historical trends. It has an API interface to connect to other platforms.
- Single-point calibration method, and remote calibration assistance from the backend is supported.



Five-parameter Water Quality Online Monitor

Technical Parameters

Dimensions	460mm * 530mm * 250mm(height * width * thickness)
Operating Voltage	AC220V
Power	30W (excluding the power of the metering pump)
Working Mode	Continuous drainage monitoring
Inlet Water	Less than 0.3MPa, flow rate not exceeding 1000mL/min
Operating Temperature	-5°C- 60°C
Electrode Material	Composite material
Temperature Range	0 - 60°C
Temperature Accuracy	±0.1°C
pH Range	0 - 14pH
pH Accuracy	±0.02pH
ORP Range	-2000 - 2000mV
ORP Accuracy	±15mV
FRC Range	0 - 20mg/L(ppm)
FRC Range	2%
NTU Range	0 - 10NTU
NTU Accuracy	≤±0.2
TDS Range	0 - 2000us/cm
TDS Accuracy	±2%FS

Tips: TDS is optional parameter.



Four-parameter Water Quality Online Monitor



Product Features

- A 7-inch high-resolution touch screen that can simultaneously detect four parameters including pH, ORP, residual chlorine and temperature.
- Multiple international standard parameters are available for free selection.
- The electrode has built-in temperature compensation. Under normal circumstances, the turbidity electrode can be used without calibration.
- Wireless SIM card connection enables remote computer monitoring and online data query on mobile devices.
- The detection water channel is equipped with flow meters and filters, which is suitable for complex water channel installation environments.
- It has a water flow switch protection function to prevent dosing when the circulation pump is not started.
- 4-channel relay output control, directly driving equipment with a capacity of 2A or less for automatic dosing.
- The water detection system is equipped with a flow meter and a filter, and is suitable for installation in complex water piping environments.
- Single-point calibration method, and remote calibration assistance from the backend is supported.



Four-parameter Water Quality Online Monitor

Technical Parameters

Dimensions	460mm * 530mm * 250mm(height * width * thickness)
Operating Voltage	AC220V
Power	30W (excluding the power of the metering)
Working Mode	Continuous drainage monitoring
Inlet Water	Less than 0.3MPa, flow rate not exceeding 1000mL/min
Operating Temperature	-5°C- 60°C
Electrode Material	Composite material
Temperature Range	0 - 60°C
Temperature Accuracy	±0.1°C
pH Range	0 - 14pH
pH Accuracy	±0.02pH
ORP Range	-2000 - 2000mV
ORP Accuracy	±15mV
FRC Range	0 - 20mg/L(ppm)
FRC Range	2%
TDS Range	0 - 2000us/cm
TDS Accuracy	±2%FS

Tips: TDS is optional parameter.



Intelligent Water Treatment Control System



Product Features

- A high-resolution touch screen is equipped with a pool controller.
- It can control the filtration water pump, automatic sand filter head, water replenishment, drainage, underwater lights, automatic temperature control, and integrated dosing function.
- Integrated peristaltic pump for fully automatic dosing of pH regulators and disinfectants
- Mobile phone monitoring function

Technical Parameters

Dimensions	520mm × 520 × 220mm (height × width × thickness)
Operating Voltage	AC220V
Power	30W (excluding the power of the metering pump)
Working Mode	Continuous drainage monitoring
Inlet Water	Less than 0.3MPa, flow rate not exceeding 1000mL/min
Operating Temperature	-5°C- 60°C
Electrode Material	Composite material
Temperature Range	0 - 60°C
Temperature Accuracy	±0.1°C
pH Range	0 - 14pH
pH Accuracy	±0.02pH
ORP Range	-2000 - 2000mV
ORP Accuracy	±15mV
FRC Range	0 - 20mg/L(ppm)
FRC Range	2%

Tips: TDS/FRC is optional parameter.



Measure ,Control&Dosing Systems

Product Features

- A 7-inch high-resolution touch screen that can simultaneously detect four parameters: pH, ORP, residual chlorine, and temperature.
- Multiple international standard parameters are available for arbitrary selection, reducing cumbersome parameter settings and making the operation simple.
- The electrode has built-in temperature compensation and strong anti-interference ability.
- Wireless SIM card connection enables remote computer monitoring and online data query on mobile devices.
- The detection waterway is equipped with a pre-filter, making it suitable for installation in complex waterway environments.
- It has a water flow switch protection function to prevent the addition of drugs when the circulation pump has not started.
- 5-channel relay output control can directly drive dosing equipment below 2A for fully automatic dosing.
- The water quality cloud platform can directly download historical data and query historical trends. It has an API interface for connection to other platforms.
- Single-point calibration method, supporting remote assistance for calibration from the background.
- Integrated peristaltic pump for fully automatic dosing of pH regulators and disinfectants



Measure ,Control&Dosing Systems

Technical Parameters

Dimensions	490mm * 440 * 212mm (height * width * thickness)
Operating Voltage	AC220V
Power	30W (excluding the power of the metering pump)
Working Mode	Continuous drainage monitoring
Inlet Water	Less than 0.3MPa, flow rate not exceeding 1000mL/min
Operating Temperature	-5°C- 60°C
Electrode Material	Composite material
Temperature Range	0 - 60°C
Temperature Accuracy	±0.1°C
pH Range	0 - 14pH
pH Accuracy	±0.02pH
ORP Range	-2000 - 2000mV
ORP Accuracy	±15mV
FRC Range	0 - 20mg/L(ppm)
FRC Range	2%

Tips: TDS/FRC is optional parameter.



SnowDerma Flash

Product Features

Using advanced physical treatment technology, combined with an oxygen source, and with the help of specific equipment, the water undergoes a series of fine treatments to produce a unique nano-level liquid effect, giving it a "milk-like" appearance and properties.

Product Features

It features super strong penetration and absorption. Nano-level skincare ingredients are absorbed through the skin and enter skin cells, quickly replenishing moisture to the skin. This keeps the skin moist and shiny, achieving the effects of whitening and moisturizing.



Model	Water Flow Rate (T/H)	Volume (mm)	Power (W)	Weight (Kg)	Pressure (Pa)
HY-OW1	1	850*480*860	980	118	0.3-0.4
HY-OW2	4	870*570*1170	2080	123	0.3-0.4

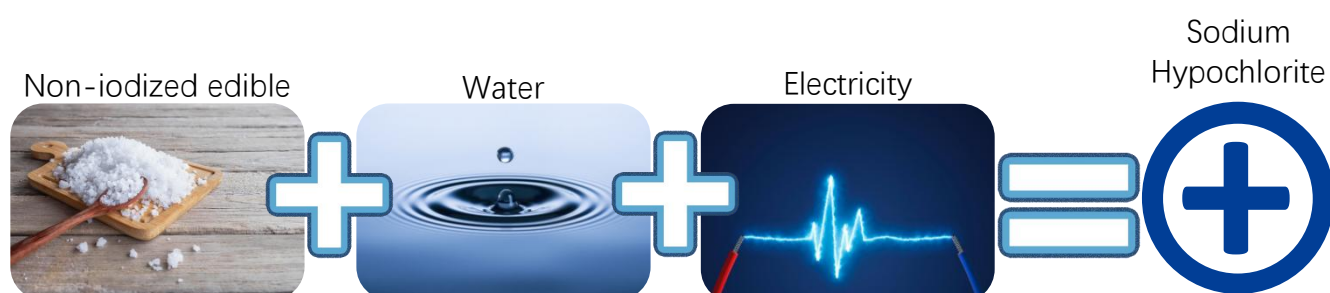


Sodium Hypochlorite Generator

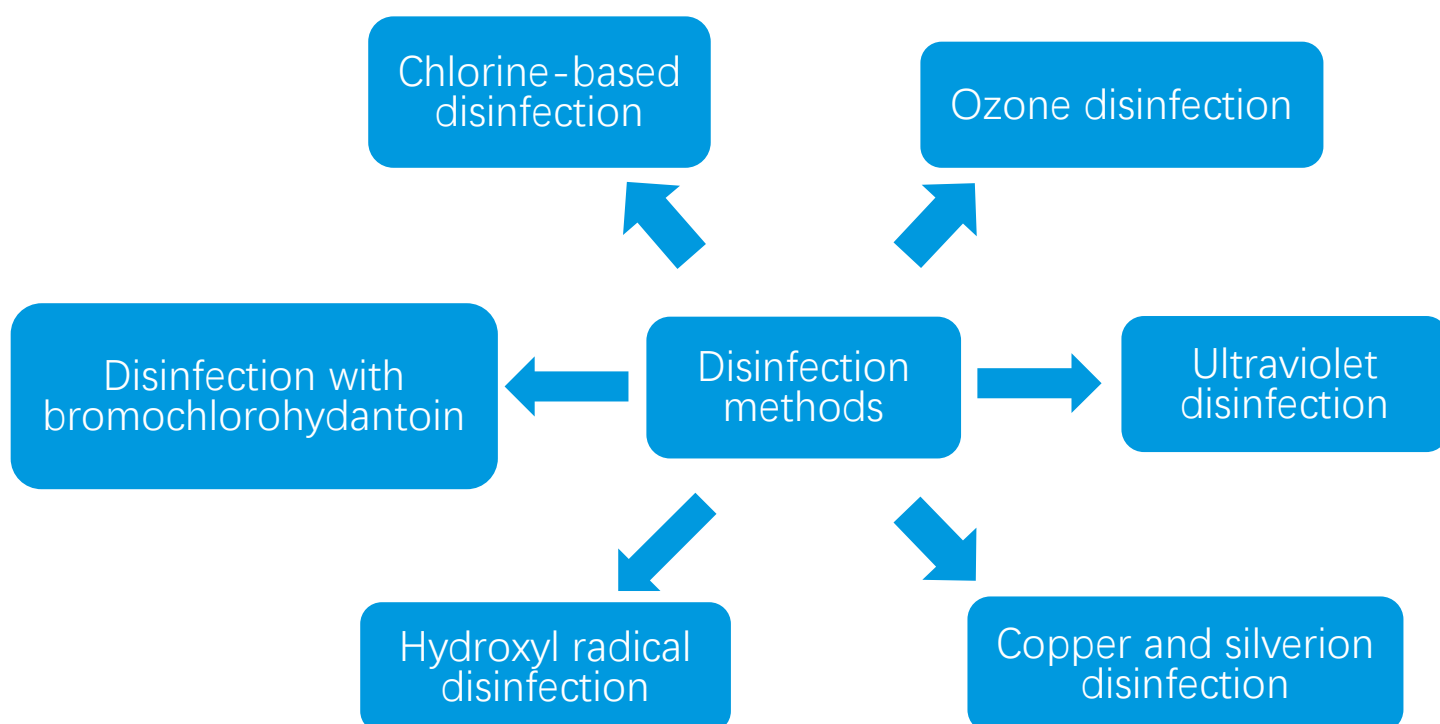
Sodium hypochlorite generator uses non-iodized edible salt as the raw material and generates sodium hypochlorite solution through electrolytic reactions.

It is safe and efficient, sterilization efficiently, no second pollution, operates automatically, low-costing operation, control intelligently, and to operate simply.

The salt consumption is less than 2.5, that is, for every 1 kg of effective chlorine produced, with a concentration of up to approximately 8000 ppm per kilogram, the salt consumption is less than 2.5 kg.



Pool water disinfection methods





Disinfection of Sodium Hypochlorite Generators

Rapid sterilization

- Sodium hypochlorite forms hypochlorous acid in water. Hypochlorous acid has strong oxidizing and sterilizing effects on various pathogenic microorganisms, and can quickly kill bacteria, viruses, fungi, and spores, etc.

High safety

- Sodium hypochlorite is relatively stable, non-flammable and explosive, does not produce harmful gases, and is relatively safe to use.

Low dosage

- The disinfection effect of sodium hypochlorite is good, and the dosage of disinfectant is relatively small, which will not have a significant impact on the environment.

Low cost

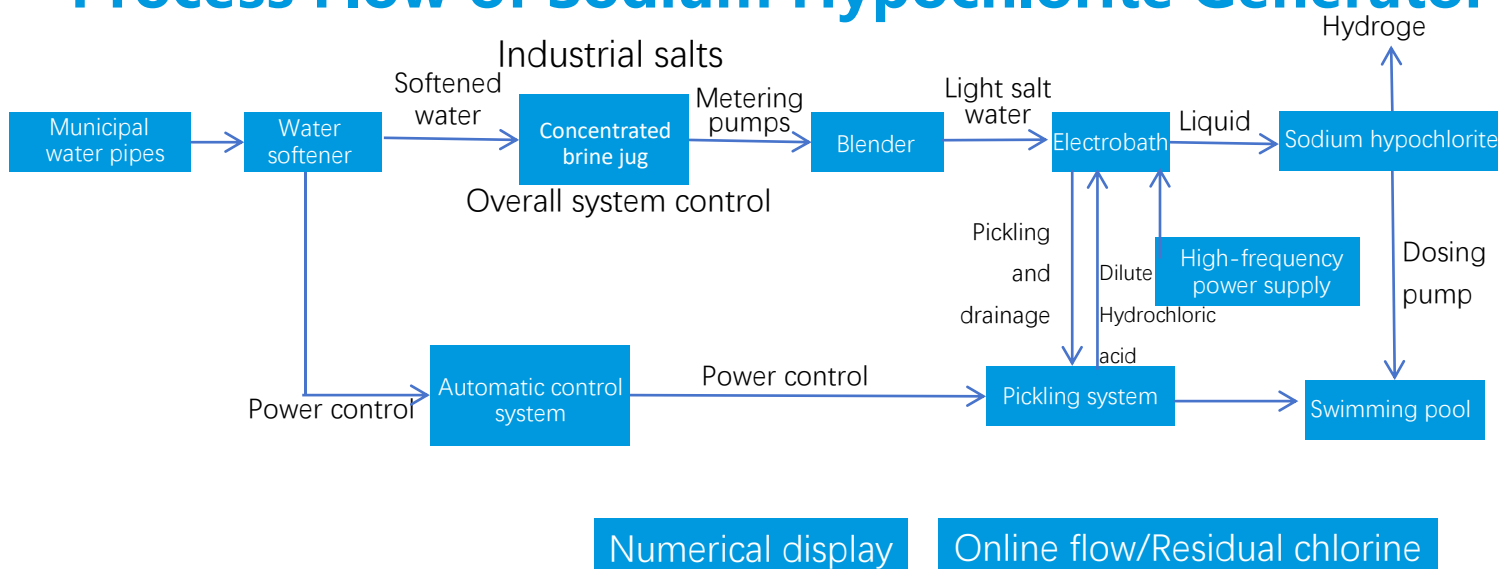
- Sodium hypochlorite is relatively inexpensive and is widely used in the disinfection industry. It is an economical and practical disinfectant.

No odor

- The disinfection process of sodium hypochlorite does not produce irritating odors, and operators do not need to wear respirators.

Overall, sodium hypochlorite disinfection can efficiently kill a variety of microorganisms in a relatively short period of time, with low cost and stable performance. It is widely used in many industries and fields.

Process Flow of Sodium Hypochlorite Generator





Suitable scenarios



Tap water plant



Sewage treatment



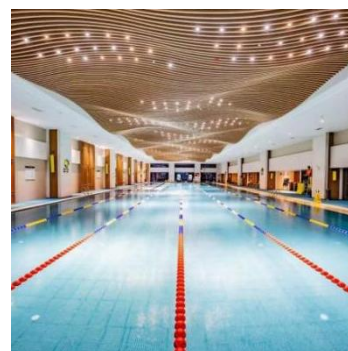
Secondary water



Circulating



Medical wastewater



Swimming pool

The Automatic Electrolytic Sodium Hypochlorite Generator system realizes fully automated production. The system units include:

A. Water softener: Comprising a water softening device and automatic switching valves;

B. Automatic salt dissolving system: Composed of salt dissolving tank, liquid level control, salt dissolving pump, electric valves, pipelines and other components. A device for automatically conveying and dissolving salt to form saturated brine;

C. Sodium hypochlorite generator mainframe: Including electrolytic cell, electrolytic power supply, intelligent control center PLC, control components, human-machine interface, operation panel, electric valves, power distribution system, etc.;

D. Sodium hypochlorite solution storage: Consisting of storage tank and hydrogen exhaust device;

E. Automatic dosing: Including anti-corrosion metering dosing pumps and other components to form a closed-loop control for chlorine dosing;

F. Online instrument series: **Online monitoring of salt concentration in diluted brine, contact point temperature of electrolytic electrodes, online hydrogen gas concentration monitoring in the generator room**, pressure monitoring of production water, contact point temperature of electrolytic electrodes, and online monitoring of flow rate of diluted brine.

(Bold parts are standard configurations; other monitoring parts are all optional)



Professional Technology, Precise Configuration

Rated chlorine production capacity: Taking 100g as an example

- The electrolytic cell assembly consists of the electrolytic cell body and the electrolytic electrode group



Electrolytic cell body

- The tubular electrolytic cell is made of highly corrosion-resistant and highly permeable acrylic. PVDF material is used for isolation between the anode and cathode of the internal electrode plates, featuring corrosion resistance, high stability, and long service life.

Electrode plate

- The plate-type electrode is made of pure titanium TA1 material for both the anode and cathode substrates. During the electrolysis process, the cathode is protected, while the anode is subject to loss. Therefore, the anode surface must be coated for protection. The anode surface of the generator electrode is coated with ruthenium and iridium oxides processed using nanotechnology, with a particle fineness of 20 nanometers. The coating is applied more than 25 times, resulting in a coating thickness of 20 microns, ensuring a stable service life of the electrode.
- The electrode is guaranteed for free use for 1 year, and its normal life can exceed more than 5 years.

Intelligent control system

- The PLC serves as the controller unit, and the control center is the CPU of the generator system. It monitors the safe and reliable operation of the entire generator system, as well as self-detection, alarm, push of fault prompts, and self-shutdown in case of faults.

Touch LCD display and control

- The touch LCD screen shows the operating status of the dissolved salt unit, dilution ratio unit, electrolysis unit, dosing unit, acid cleaning unit and other subsystem in real time. At the same time, parameters can be adjusted and set using the touch function.

Temperature control unit

- The electrolyte in the electrolytic cell is equipped with an NTC temperature sensor. When the machine starts running, the control center begins to detect the temperature sensor. When the temperature exceeds the set value, the machine immediately stops working, issues an over-temperature alarm signal, and simultaneously, the machine is in the standby state to ensure the safe and reliable operation of the machine.



Sodium Hypochlorite Solution Storage Drum and Hydrogen Removal Device

Components included: Storage drum, hydrogen removal fan, supporting pipe fittings

Configuration parameters:

Material: Food-grade PE material **Volume::** 120 L **Quantity:** 3 Pcs

High-pressure vortex blower: 120W/220V

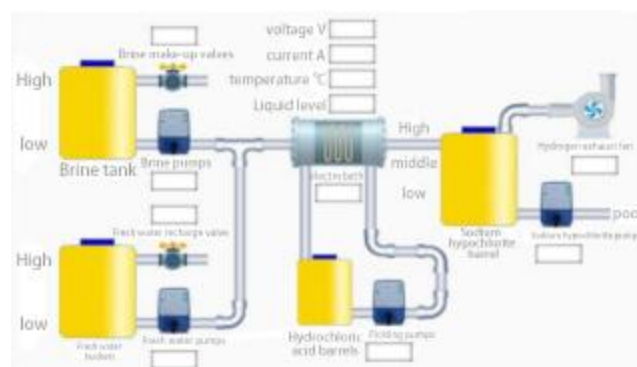
Functions:

Sodium hypochlorite drum : It is the storage container for all the sodium hypochlorite solution produced by the generator. It is equipped with high, medium and low liquid level controls. When the liquid level reaches the high position, the tank is full, and the generator pauses operation and the full tank light is illuminated. As the solution is gradually used and the liquid level drops to the make-up level, the generator resumes operation, and the full tank light turns off. When the liquid level drops below the low-level control point, it indicates that there is very little sodium hypochlorite solution in the storage tank. The system will suspend automatic chlorine dosing until the liquid level rises above the low-level control point.

Hydrogen removal device: The generator produces a small amount of hydrogen as a by-product during electrolysis. Hydrogen is a flammable and explosive substance. According to national standards, the hydrogen concentration in the space must be below 3%. To operate the system more safely and reliably, we require the hydrogen concentration to be lower than 1% (achieving zero hydrogen and zero residue). Therefore, hydrogen must be diluted and discharged in real-time by force. This system uses a two-stage discharge method to ensure safe hydrogen discharge. The mixture of sodium hypochlorite and hydrogen flows through the output pipeline. Firstly, a gas-liquid separation occurs (hydrogen is lighter than the liquid). Then, the liquid enters the storage tank and undergoes gas-liquid separation again before entering the storage tank. At the same time, a forced exhaust fan is used to blow air into the storage tank. Due to the high pressure of the forcibly blown air, the residual hydrogen in the storage tank and the trace amounts decomposed from the sodium hypochlorite solution will be discharged through the hydrogen discharge pipeline. Therefore, only air remains in the storage tank. The trace amounts of hydrogen are diluted and forcibly discharged into the air and then safely discharged.

Pickling device

Since it is impossible for the water quality after passing through the soft water treatment device to remove 99.99% of the ions in the water, after the electrolytic electrodes are used for a period of time, there will be scaling to varying degrees. When the temperature rises rapidly during the electrolysis process and the electrolysis efficiency decreases, it should be considered to clean the electrodes at this time. Select the pickling device through the system to close the relevant valves, and the system will pump the pickling solution into the electrolytic cell. Soak it for 30 minutes until the salt scale is dissolved, and then pump in clean water for cleaning.



Pickling agent storage tank: pickling barrels= 40L, food-grade PE material tank



Site Condition Requirements

- Tap water: Pressure not lower than: 0.3MPa, Flow rate: Not lower than 5m³/H.
- Electricity: 220V/380VAC, 50HZ, 3KW / single set.
- Sodium hypochlorite dosing position: Post-chlorination or pre-chlorination / post-chlorination method, ensuring the drug liquid mixing time is not less than 30 minutes.
- The equipment room should be kept ventilated and dry, and be fully equipped with lightning protection facilities.
- Set up a drainage ditch in the equipment room.

Conditions For Use And Installation

- Usage instructions: The sodium hypochlorite generator is mainly used for disinfecting the treated water.
- Operating environmental conditions for the sodium hypochlorite generator placement: The sodium hypochlorite generator equipment room.
- Installation requirements for the sodium hypochlorite generator
 - (1) The equipment should be installed indoors. The equipment room must be a non-enclosed, well-ventilated room above ground, and at least one wall direction should be directly connected to the outdoors to avoid direct sunlight. The working environment temperature of the equipment should be above 10°C.
 - (2) Since sodium hypochlorite has strong oxidizing properties, when choosing the equipment installation position, efforts should be made to avoid placing it in the same room with other electrical equipment. A separate equipment room should be established as much as possible.
 - (3) The equipment and raw material storage should have an independent raw material storage room and a concrete foundation.
 - (4) The floor of the equipment room should be paved with a cement floor and equipped with a water source for flushing and a drainage sewer.
 - (5) An axial flow fan should be installed on the upper part of the equipment room wall to maintain good ventilation. The equipment room should have necessary lighting facilities and a power supply corresponding to the installed capacity of the equipment.
 - (6) The equipment room should have necessary lighting facilities and a power supply corresponding to the installed capacity of the equipment.
 - (7) Strict electricity usage and fire safety regulations should be set in the equipment room.



All-in-one machine Sodium Hypochlorite Generator

Self-developed ,
Crafted ingenuity ,
Intelligently driven

Model	Lectotype (g/h)	Pool Size (m ³)	Size (mm)
HG-50	50	<150	1200*800*1700
HG-100	100	150-300	1500*800*1700
HG-200	200	300-500	1500*800*1700
HG-300	300	500-800	1500*800*1700
HG-350	350	800-1000	1500*800*1700
HG-400	400	1000-1200	1500*800*1700
HG-500	500	1200-1400	1500*800*1700
HG-600	600	1400-1600	1500*800*1700
HG-800	800	1600-2000	1500*800*1700
HG-1000	1000	2000-2500	1500*800*1700
HG-1200	1200	2500-3000	2200*800*1700
HG-1500	1500	3000-3800	2200*800*1700
HG-2000	2000	3800-5000	2200*800*1700



All-in-one machine Sodium Hypochlorite Generator Model selection table

Self-developed ,
Crafted ingenuity ,
Intelligently driven

Model	Power	voltage	pipe diameter of the inlet and outlet of the electrolytic cell	pipe diameter of the inlet and outlet of the pipeline	pipe diameter of the gas outlet of the hydrogen exhaust pipe
HG-50	0.3KW	220V	DN15	DN15	DN32
HG-100	0.55KW	220V	DN15	DN15	DN32
HG-200	1KW	220V	DN15	DN15	DN32
HG-300	1.5KW	220V	DN15	DN15	DN32
HG-350	1.6KW	220V	DN15	DN15	DN32
HG-400	2KW	220V	DN15	DN15	DN32
HG-500	2.2KW	220V/380V	DN15	DN15	DN32
HG-600	3KW	380V	DN15	DN15	DN32
HG-800	3.5KW	380V	DN32	DN15	DN32
HG-1000	3.8KW	380V	DN50	DN15	DN32
HG-1200	4.8KW	380V	DN50	DN25	DN50
HG-1500	7KW	380V	DN50	DN25	DN50
HG-2000	9KW	380V	DN50	DN25	DN50



Mini machine Sodium Hypochlorite Generator Model selection table

For private villas and spa clubs

External softening
device 800*750*900

Internal raw water
device 1000*900*900



Split type machine Sodium Hypochlorite Generator

Flexible application professional customization support

Model (g/h)	Size (mm)
-------------	-----------

50	550*500*1200
----	--------------

100-200	750*500*1400
---------	--------------

300-500	900*550*1400
---------	--------------

500-800	900*600*1800
---------	--------------

800-1000	1200*600*1800
----------	---------------



HYGOOL

Advanced Oxidation Disinfector

Incorporating advanced technologies both domestically and internationally, the utilization of advanced oxidation process technology in the reaction environment, hydroxyl radicals with extremely strong oxidation ability are formed, which can rapidly kill various microorganisms in water, including some pathogens resistant to traditional disinfectants, meeting the requirements of water decolorization, disinfection, sterilization, deodorization and purification.





Advanced Oxidation Disinfectors

Efficient and broad-spectrum disinfection

- The advanced oxidation disinfection equipment can rapidly destroy the cell structure of many microorganisms such as bacteria, viruses and parasites by generating highly active oxidants, thereby achieving the effect of rapid, efficient and broad-spectrum disinfection.

Removal of organic substances

- Pool water often contains various organic substances, such as sweat and skin grease. These organic substances not only affect water quality but also may become a breeding ground for microorganisms. Advanced oxidation disinfection equipment can rapidly oxidize and decompose these organic substances into smaller molecules or completely oxidize them into carbon dioxide and water, thereby effectively removing organic substances.

Removal of chloramines and odors

- During the traditional chlorine disinfection process, harmful substances such as chloramines are prone to be formed, leading to deterioration of water quality and the generation of odors. The intensifiers produced by advanced oxidation disinfection equipment, such as hydroxyl radicals, can decompose chloramines into harmless substances such as chloride ions and nitrogen, thereby reducing the content of chloramines. Oxidants can react with organic molecules that produce odors, decomposing or converting them into odorless substances, thereby improving the water environment of the swimming pool.

Reduce the use of chemical agents

- By using advanced oxidation disinfection equipment, bacteria and viruses in the water can be effectively killed, reducing the demand for other chemical disinfectants. This not only can reduce costs but also helps reduce environmental pollution.



Advanced Oxidation Disinfectors Model selection table

Self-developed ,
Crafted ingenuity ,
Intelligently driven

Model number	HG-AOP50	HG-AOP150	HG-AOP300
Pool water volume (m ³)	50	150	300
Bypass water flow rate(m ³ /h)	2	5	12
Ozone output quantity (g/h)	3	6	12
Gas source flow rate (L/min)	3	5	5
Power consumption(KW)	0.75	1	1.5
Power (V/HZ)	220-240/50	220-240/50	220-240/50
Size (mm)	750*600*1300	800*600*1700	800*600*1700
Diameter (mm)	DN25	DN25	DN25



Medium-Pressure Ultraviolet

Based on the physical disinfection principle of ultraviolet light, high-energy ultraviolet radiation of a specific wavelength destroys microbial genetic material (DNA/RNA), rendering them unable to replicate, thereby achieving highly effective sterilization.

Broad-spectrum, highly effective sterilization

- Multi-wavelength synergistic effect: Compared to low-pressure UV (a single 254nm wavelength), medium-pressure UV's broad spectrum output covers more microbial sensitive wavelengths, offering advantages against chlorine-resistant pathogens (such as Cryptosporidium) and complex organic matter. Rapid Inactivation: High-intensity UV radiation can achieve a microbial inactivation rate of over 99.99% in seconds, making it suitable for high-flow and high-volume applications

No Chemical Residue, Safe and Environmentally Friendly

- Physical disinfection eliminates the need for the addition of chemicals such as chlorine and ozone, preventing the production of toxic byproducts (such as trihalomethanes), ensuring water quality safety and aligning with green and sustainable development trends.

Strong Adaptability

- It can treat water with high turbidity and color, and is highly tolerant to fluctuations in water quality. In air purification, it effectively decomposes volatile organic compounds (VOCs) and odor molecules.

Energy-Saving and Long-Life Design

- It utilizes a high-transmittance quartz tube and a high-efficiency electronic ballast to reduce energy consumption. High-quality imported European and American lamps offer a lifespan of up to 5,000 hours, reducing maintenance frequency and costs.

Intelligent Control

- Equipped with a UV intensity sensor, temperature probe, water flow switch, and PLC control system, it monitors and adjusts disinfection dosage in real time, automatically alarming in the event of a malfunction to ensure safe operation.



Low-Pressure Ultraviolet

Model	Flow (M ³ /h)	Tube Power (W)	Size (mm)	Diameter (mm)
HG-DY40	2	40	930*63*130	DN25External Ballast
HG-DY80	4-5	80	930*89*190	DN32Silk Teeth
HG-DY80	4-5	80	930*89*240	DN40Flange
HG-DY120	5-8	120	1220*89*260	DN40Silk Teeth
HG-DY120	5-8	120	1220*89*260	DN40Flange
HG-DY160	8-12	160	930*108*260	DN50Flange
HG-DY240	15	240	930*150*380	DN50Flange
HG-DY320	25	320	930*150*380	DN50Flange
HG-DY360	30	360	1220*150*380	DN50Flange
HG-DY480	35	480	1220*150*380	DN50Flange
HG-DY600	40-50	600	1220*180*420	DN65Flange
HG-DY720	60	720	1220*219*420	DN80Flange
HG-DY840	70	840	1220*219*450	DN100Flange
HG-DY960	80	960	1220*219*450	DN100Flange
HG-DY1080	90	1080	1220*219*450	DN100Flange
HG-DY1200	100	1200	1220*219*450	DN150Split Electrical Box
HG-DY1440	120	1440	1220*273*500	DN150Split Electrical Box
HG-DY1880	150	1800	1630*273*500	DN150Split Electrical Box
HG-DY2100	200	2100	1630*273*580	DN200Split Electrical Box

Ps: The materials of low-pressure ultraviolet cavity are: UPVC, 304 stainless steel, 316L stainless steel



Medium-Pressure Ultraviolet

Model	Flow (M ³ /h)	Tube Powe (KW)	Size (mm)	Diameter (mm)
HG-ZY1000	30	1	560*450*480	DN50Flange
HG-ZY2000	60	2	670*450*480	DN100Flange
HG-ZY3000	100	3	710*450*480	DN150Flange
HG-ZY4000	150	4	670*520*510	DN200Flange
HG-ZY6000	200	6	710*510*540	DN200Flange
HG-ZY9000	300	9	710*550*580	DN250Flange
HG-ZY12000	500	12	900*600*630	DN300Flange

PS: The materials of medium pressure ultraviolet cavity are: 304 stainless steel, 316L stainless steel

Intelligent water treatment control system



QIAOYI WATER TECHNOLOGY



QIAOYI HYGOOL Products Born for a clear, hygienic water experience!
Enjoy a comfortable swim with safe, healthy water quality!

The product is updated irregularly. Qiaoyi reserves the right of final interpretation.