



SHOOTHOCL

Hypochlorous Acid Generator
& Disinfection Solution

Jinan Shoot Biological Engineering Co.,Ltd.



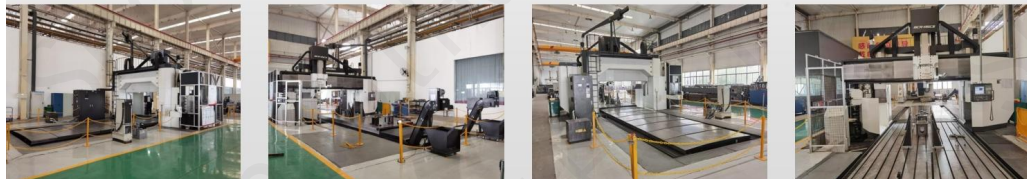
ABOUT US

Our company focuses on making electrolytic water equipment, the company has more than 10 years of electrolytic water technology research and development and manufacturing experience of the core team, the main products are Hypochlorous Acid Generator, sodium hypochlorite generator, super alkaline ion machine and water treatment equipment, with R & D center, production center, data center, marketing center, etc. Since its establishment, the company has a number of hypochlorous acid generator technology patents and a number of foreign certificates, such as CE certificate, RoHS certification, etc. At the same time, the company has 30+ test reports, providing strong support for the market, deeply trusted and supported by customers at home and abroad

Source Factory



300 per day, European laboratory standard





Hypochlorous Application field

ShootHocI Hypochlorous Acid Generator





Advantages of hypochlorous acid

- Sterilization
- Fresh-keeping
- Deodorization
- Formaldehyde removal
- Promote healing
- Substitute pesticide
- Aflatoxin removal
- Mite removal
- Relieve itching

Safety

Environmentally friendly

Unstimulated

Efficient

Economical



ShootHoc

**Public
surroundings**

**Food
processing**

**Application
field**

**Agricultural
planting**

**Medical &
health care**

**Animal
husbandry**



**Intelligent
overall
solution**



01

Public surroundings





Education

Kindergartens, schools, early education institutions, training institutions

School water supply system network transformation, disinfection and sterilization of table, toilet disinfection and odor removal.

Hypochlorous pipe network water supply system

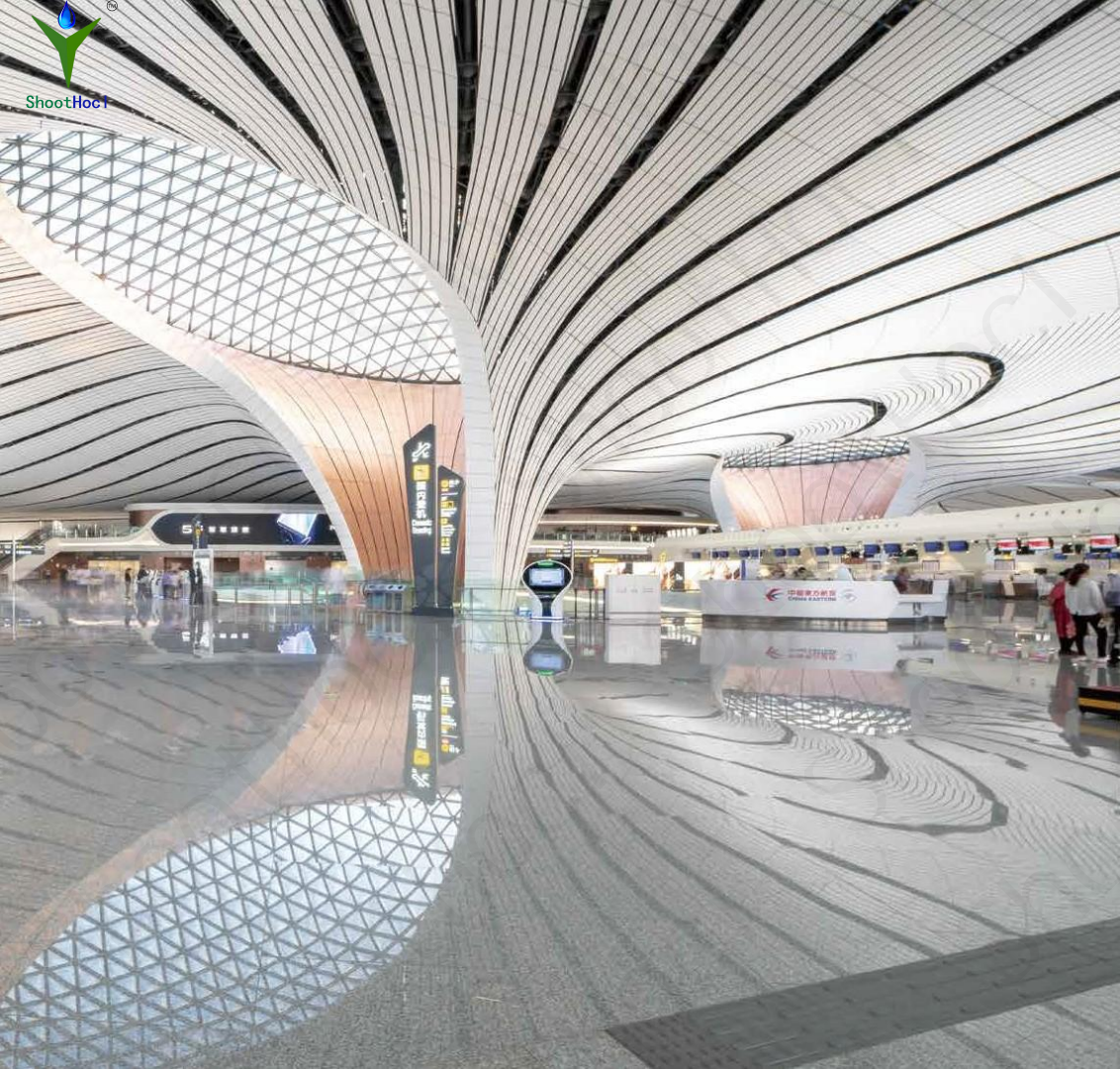


- Oral non-toxic, tasteless and non-irritating, can be directly used in students hand washing, bathroom flushing and other areas;
- It can kill common pathogens and viruses within 30 seconds, and the bactericidal effect is significant.
- The equipment can prepare different concentrations according to different disinfection objects and apply different disinfection scenarios;
- Ready-to-use, fast preparation, reduced to water after use, safe without residue;
- Hypochlorous acid disinfectant has been selected into the requirements of the "Technical Specifications for Disinfection of kindergartens and primary and secondary Schools in Shanghai".

Campus intelligent IOT system

Real-time monitoring of equipment operating status and upload to the Internet of Things platform, administrators can remotely view the operation of the school disinfection system through the APP or web side. Intelligent system, no need for special duty.





Public place

Airports, train stations, subway stations, large markets, logistics industrial parks, etc.

Airport, railway station and other personnel centralized circulation area of the air surface disinfection.

Sterilization of high frequency circulation areas such as large markets and logistics industrial parks.

Large passenger flow
Large staff mobility
Many common areas
Large site area



Public sanitation

Personnel protection, sanitation vehicles, garbage transfer station

Garbage transfer station odor removal and environmental disinfection, urban dust removal and air treatment.



Garbage transfer station



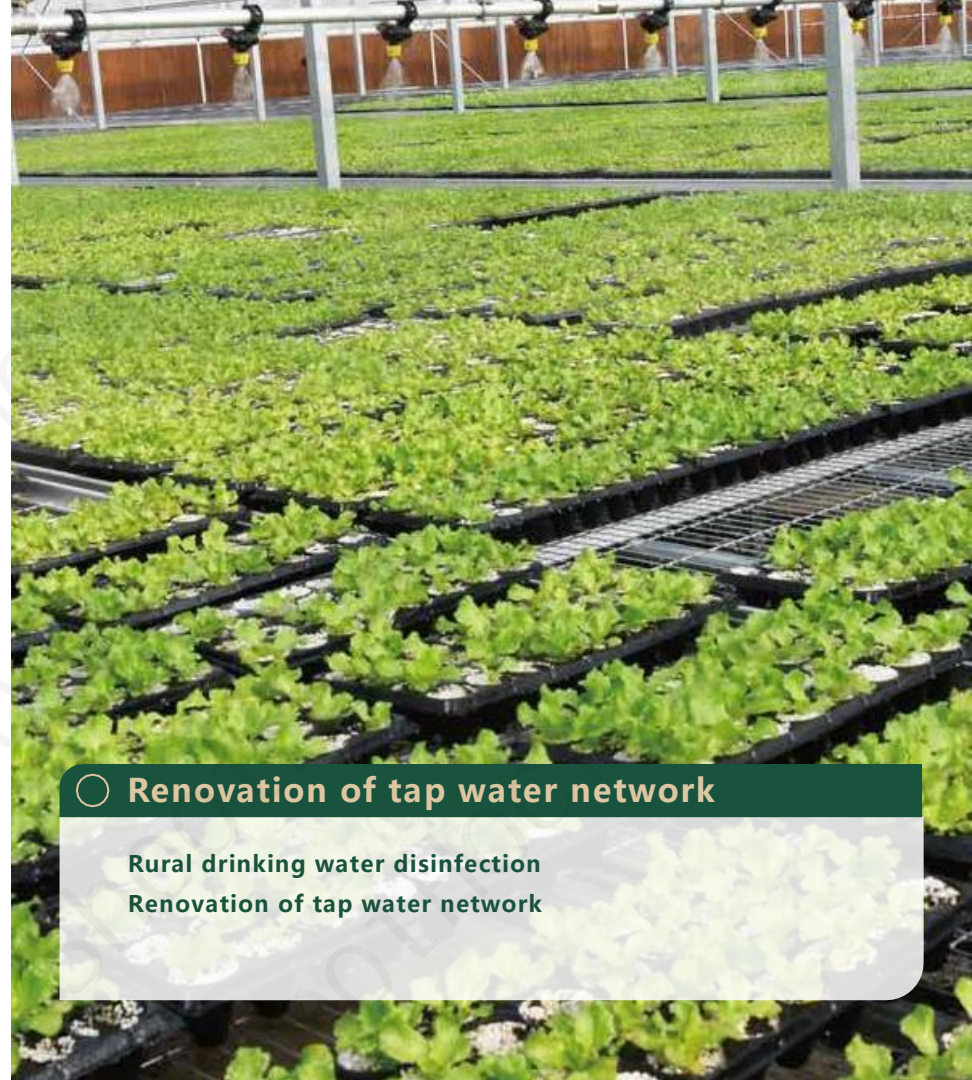
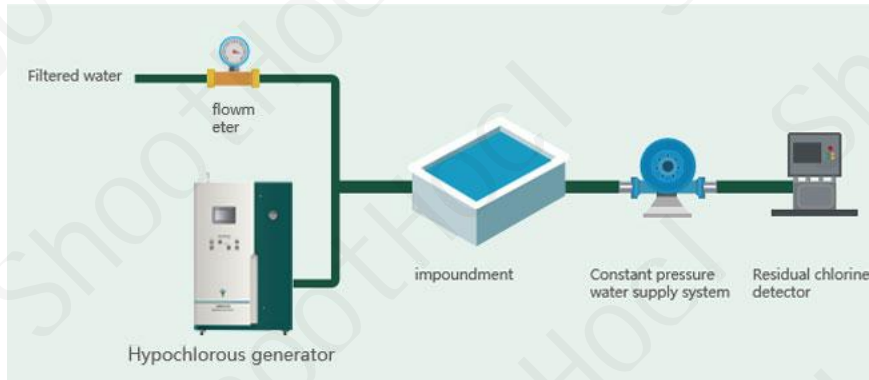
- Suitable for a variety of models, support a variety of deodorization modes, can be washed, atomized, spray and other ways to the source of odor treatment;
- Efficient deodorization, fast sterilization;
- Intelligent system, remote control, automatic induction, no personnel on duty.
- Kill common pathogens, fungi and viruses within 30 seconds to avoid and prevent cross infection;
- The atomized particles are fine, the coverage area is large, and the effect of dust removal and dryness reduction is good.
- Non-toxic in the mouth, harmless through the mouth, on the road pedestrians, vehicles, plants non-toxic and harmless.

○ Problems of rural water pipe network

The original rural water pipeline material is backward, serious leakage, internal and external corrosion is not good, rust, scale, deposition phenomenon is serious. It seriously endangers the drinking water safety of residents. After replacing the pipe, it is necessary to disinfect the tap water with a safe and non-toxic disinfectant, which can inhibit the growth and deposition of microorganisms in the pipe.



○ Tap water disinfection process



○ Renovation of tap water network

Rural drinking water disinfection
Renovation of tap water network



02

Food
processing



Lock the fresh ice device



- The combination of fresh lock technology and ice making equipment can achieve low temperature preservation and extend the freshness period.
- Low temperature lock fresh while killing the surface microorganisms of vegetables; Guarantee food safety while extending shelf life;
- Green and safe, does not affect the color, smell, nutrition of fruits and vegetables, seafood.

Vegetable fresh-keeping



- Intelligent adjustment of atomization volume, atomization uniform and fine, can be used in storage, display fresh-keeping;
- Remove agricultural residues, can be reduced to water after use, no residue no washing.



vegetables and aquatic products

Fruit and vegetable transportation, aquatic fishing and storage transportation



○ Food factory production line and environment

Food production line equipment cleaning, disinfection strip bacteria, production line staff first and second disinfection and infectious disease prevention.



○ Production line environmental sterilization



- No corrosion to the equipment, no residue, avoid secondary cleaning;
- It can be used for disinfection and sterilization of microorganisms on the surface of food and food pre-packaging;
- The unit can be customized according to the needs of use, intelligent operation, stable performance.

○ Disinfection of production line personnel





03

Medical & health care



○ Medical institution

Hospitals, pharmaceutical factories, laboratories

Hospital environment disinfection and sterilization

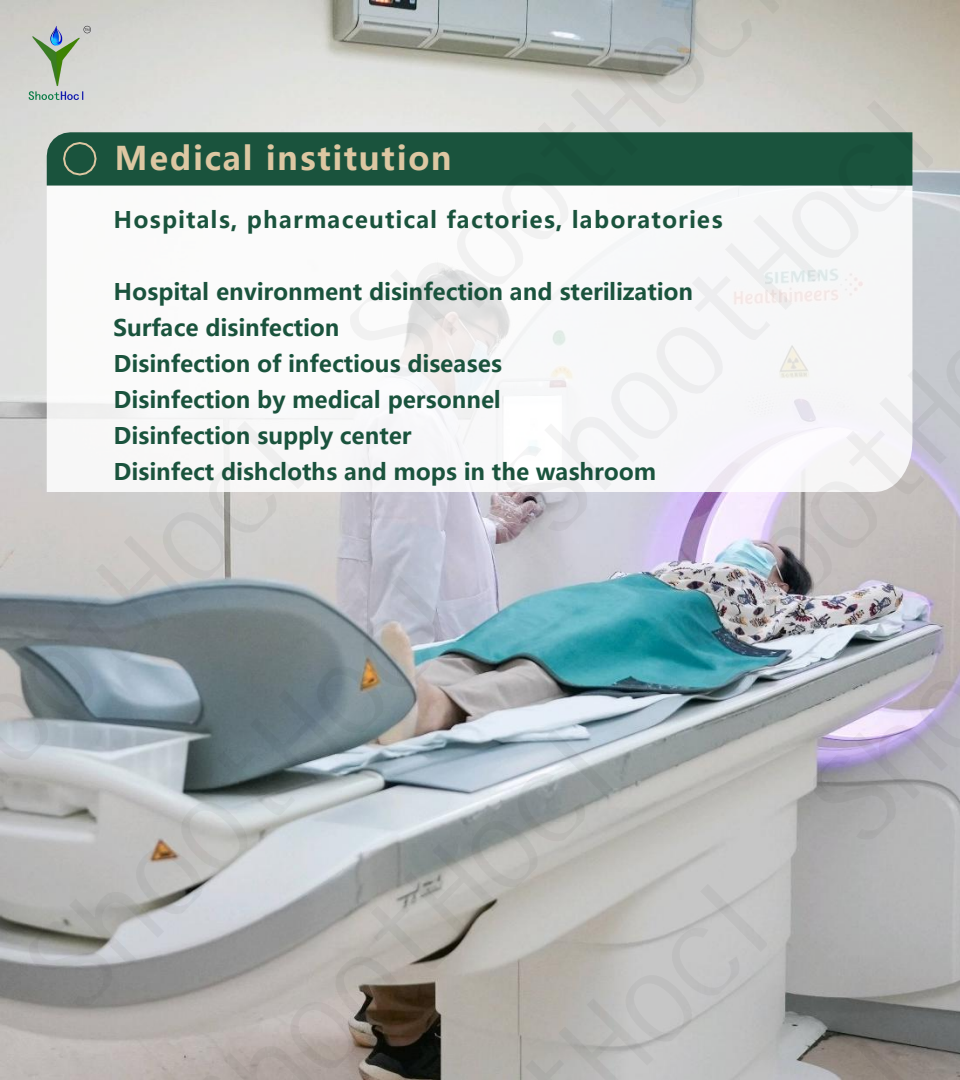
Surface disinfection

Disinfection of infectious diseases

Disinfection by medical personnel

Disinfection supply center

Disinfect dishcloths and mops in the washroom



○ Hypochlorous acid integrated water supply system



- The water supply system can ensure the hospital water system to achieve aseptic state;
- Can be directly used in hospital operating room and medical equipment cleaning and disinfection, stomatology treatment table pipe cleaning and other fields;
- Protect the health and safety of doctors and patients, prevent bacterial cross infection;
- The operation is simple, with the production, the bactericidal power is up to 99.99%;
- The working mode can be adjusted according to the requirements of different disinfection scenarios.

○ Nursing institution&Old people's home

Room sterilization, odor removal, table, air sterilization, bedding soaking sterilization..



- Provide a healthy and safe living space for caregivers to reduce the chance of infection;
- Can contact food, can be directly used for clothing, living bedding, articles soaking disinfection;
- It does not contain alcohol, harmless in the mouth, non-toxic through the mouth, suitable for mothers and children and the elderly.
- Non-toxic by inhalation, harmless to human body
- No corrosion to carpets and other fabrics, sterilization and mites



04

Animal husbandry

○ Deodorization of animal husbandry



○ Deodorization characteristics of the farm

- The odor of livestock house mainly comes from decomposition of residual feces, feed rot, intestinal fermentation and body surface secretion, which has more than 160 components, including ammonia and volatile amines, volatile fatty acids, sulfur-containing compounds, phenols and indoles.
- There are many odorous efflux links in aquaculture industry and each has its own characteristics. Each production link will produce odorous efflux, which is mainly dominated by the efflux of building fan and environmental protection area.



Front end deodorization and sterilization



Spray deodorization at rear end of fan



Odor collection and treatment in environmental protection zone



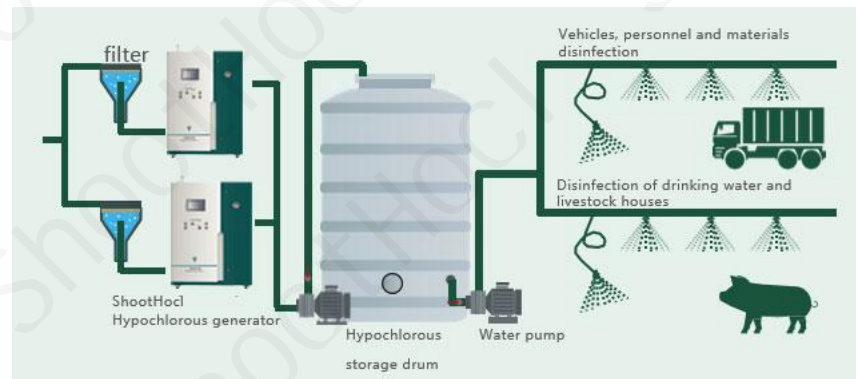
○ Animal husbandry disinfection

Livestock house sterilization, feed sterilization, drinking water sterilization, vehicle personnel sterilization

○ Disinfection characteristics of the farm

In addition to killing the conventional on-site bacteria and viruses, the disinfectants used in cattle farms must also have the function of disinfecting food and drink utensils. Such as dairy farm milk cans and other milk storage devices. Gentle disinfection of hands before milking, washing of cows' udders to prevent cow mastitis, and detoxification of mildew prone feed. The disinfectant used on the premises should not only be non-toxic, but also disinfect the skin and mucous membranes.

○ Animal husbandry disinfection system

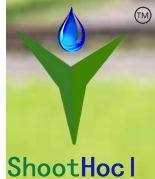




05

Agricultural planting



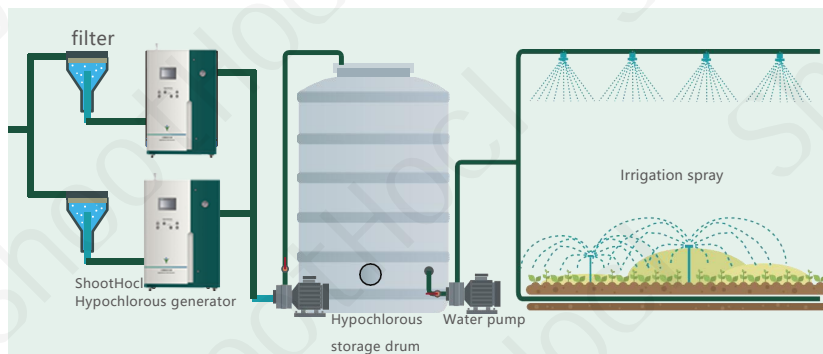


○ Agricultural planting improvement

Agricultural planting spray application.

Seed soaking promotes germination rate, improves soil, and prevents fruit and vegetable pests.

○ Agricultural planting system



ShootHocl Hypochlorous Acid Generator Usage mode



Steep



Wash



Wipe



Atomization



Water disinfection



Vehicle-mounted



UAV



Robot



Pipeline



Product Introduction

ShootHocI Hypochlorous Acid Generator



Product introduction

High flow hypochlorous generator >>>

Flow rate t/hr	Size (mm)	Rated power	Actual power
1	900*700*1400	2100W	500W
2	900*700*1400	2100W	700W
3	1200*700*1600	2100W	1200W
4	1200*700*1600	3000W	1350W
6	1200*700*1600	4200W	1900W
9	1750*700*2400	5000W	3150W
12	1800*1000*2800	5000W	3780W



Product introduction

SHT-1000

Parameter>>>

Flow rate	≥ 1000 L/h
pH	5.0~6.5*
Main component	HCIO
Chlorine concentration	10~300 mg/L
Power source	220V/50Hz
Rated power W	2100 W
Electrolytic bath life	≥ 10000 h
Inlet pressure MPa	0.15~0.25
Electrolyte capacity	25L
Size mm	900*700*1400

Note :* The pH range varies according to the water quality of different places, the local water source is surface water may produce hypochlorous water is acidic (pH3~4), but the disinfection effect will not be reduced.



SHT-300

Parameter>>>

Flow rate	120~300 L/h
pH	5.0~6.5*
Main component	HCIO
Chlorine concentration	10~200 mg/L
Power source	220V/50Hz
Rated power W	420 W
Electrolytic bath life	≥ 10000 h
Inlet pressure MPa	0.15~0.25
Electrolyte capacity	5L
Size mm	500*510*1500

Note :* The pH range varies according to the water quality of different places, the local water source is surface water may produce hypochlorous water is acidic (pH3~4), but the disinfection effect will not be reduced.



Product introduction

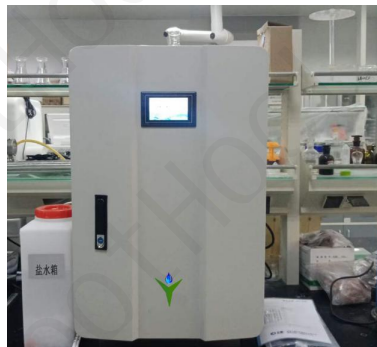


SHT-100-4G

Parameter>>>

Flow rate	60~120 L/h
pH	5.0~6.5*
Main component	HCIO
Chlorine concentration	10~80mg/L
Power source	220V/50Hz
Rated power W	170 W
Electrolytic bath life	≥5000 h
Inlet pressure MPa	0.15~0.25
Electrolyte capacity	1 L
Size mm	500*380*190

Note :* The pH range varies according to the water quality of different places, the local water source is surface water may produce hypochlorous water is acidic (pH3~4), but the disinfection effect will not be reduced.



SHT-100-S

Parameter>>>

Flow rate	50~1000 L/h
pH	5.0~6.5*
Main component	HCIO
Chlorine concentration	10~500mg/L
Power source	220V/50Hz
Rated power W	170 W-3600W
Electrolytic bath life	≥10000 h
Inlet pressure MPa	0.15~0.25
Electrolyte capacity	1 L
Size mm	600*450*750

This is the electrolytic salt, the concentration can reach 1200ppm, pH2.0-7.0; customizable

Product introduction



SHT-1000-S

Parameter>>>

Flow rate	1000~9000L/h
pH	5.0~6.5*
Main component	HCIO
Chlorine concentration	10~500mg/L
Power source	380V/50Hz
Rated power W	6200 W
Electrolytic bath life	≥10000 h
Inlet pressure MPa	0.15~0.25
Electrolyte capacity	1 L
Size mm	700*600*1900

Note :* The pH range varies according to the water quality of different places, the local water source is surface water may produce hypochlorous water is acidic (pH3~4), but the disinfection effect will not be reduced.

SHT-300-S

Parameter>>>

Flow rate	200~1000 L/h
pH	5.0~6.5*
Main component	HCIO
Chlorine concentration	10~500mg/L
Power source	220V/50Hz
Rated power W	170 W-3600W
Electrolytic bath life	≥10000 h
Inlet pressure MPa	0.15~0.25
Electrolyte capacity	1 L
Size mm	600*500*170

This is the electrolytic salt, the concentration can reach 1200ppm, pH2.0-7.0; customizable



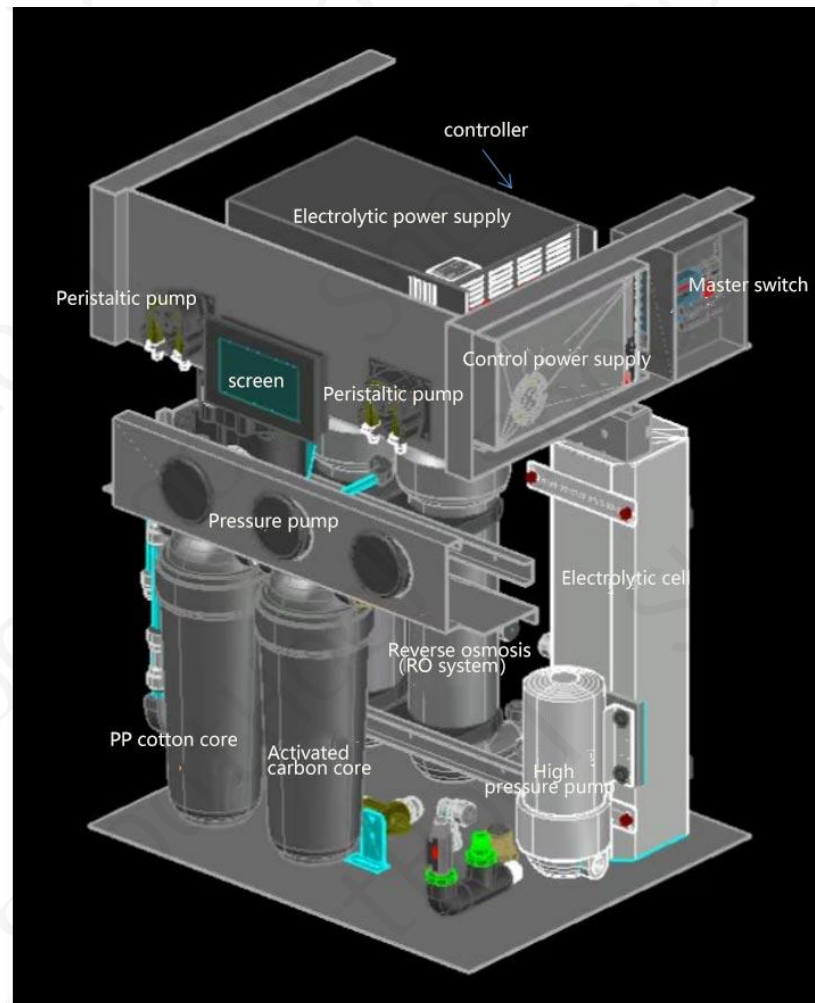


ShootHocl Hypochlorous Acid Generator advantages

Independently research and developed high-efficiency electrolysis technology

Electrolytic cell independently designed and developed, using high-quality ruthenium-iridium coating, unique structure design + program setting, to ensure stable electrolytic work, less liquid consumption, energy saving and economy.

The design life is **1,0000** hours, and the double-sided coating can reach **15,000** hours



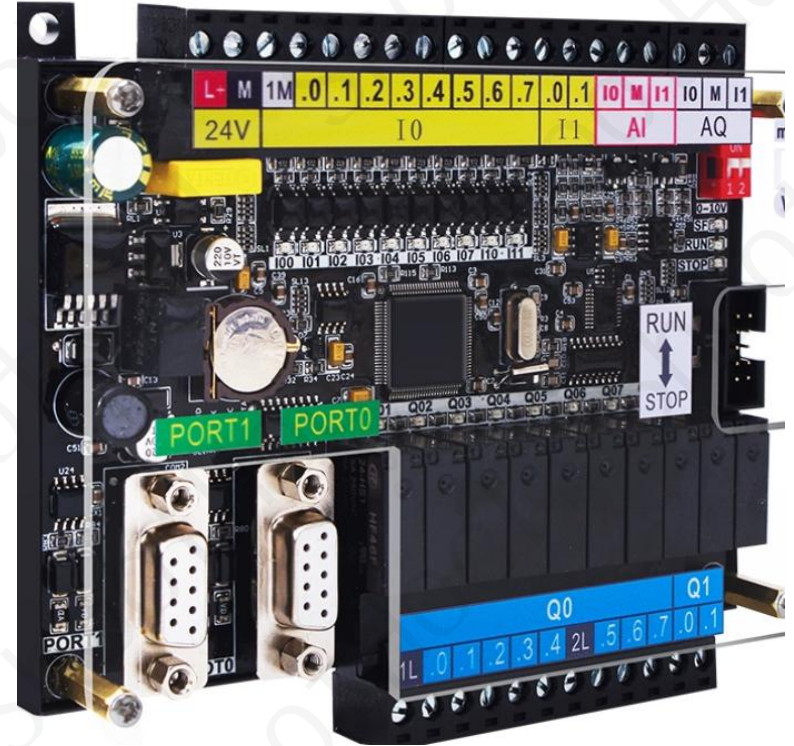
ShootHocI Hypochlorous Acid Generator advantages



PLC control, program can be expanded

Products using PLC control, independent programming. The data parameters are verified, the concentration matching is accurate, and the equipment automation level is high.

The function can be expanded according to user requirements, such as adding liquid storage system, atomization system, timing system, etc



ShootHocI Hypochlorous Acid Generator advantages



Corrosion-resistant accessories to solve life bottleneck

The key parts are made of corrosion-resistant material to ensure pipe corrosion resistance and high temperature resistance, ensure the safety of the whole machine and extend the service life



ShootHocl Hypochlorous Acid Generator advantages

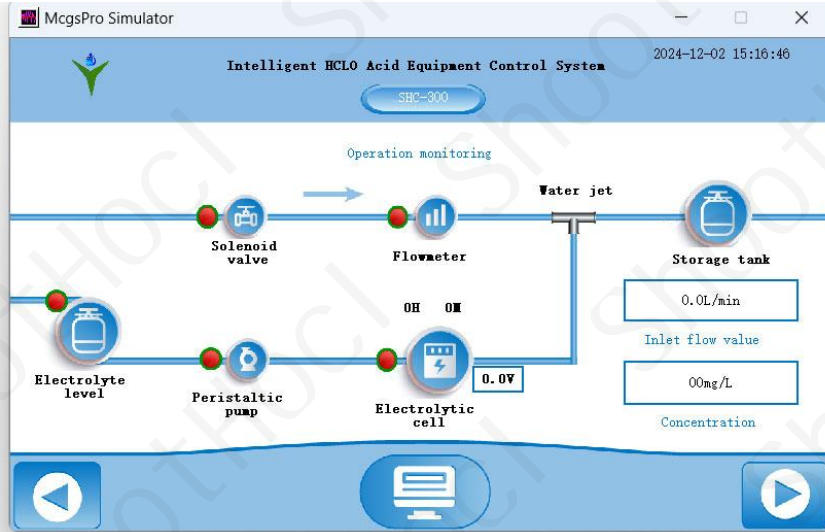


Built-in recommended concentration

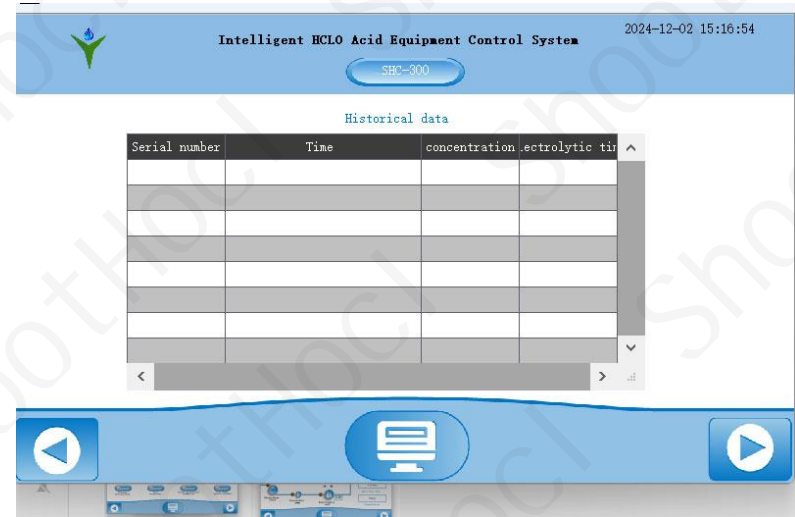
The operating system has more than 12 recommended concentrations, which can be set with one click according to the application scenario, and the relevant concentrations and items can be edited and adjusted according to customer needs.



ShootHocI Hypochlorous Acid Generator advantages



Visualization of the whole operation state



Historical data and fault alarm data can be traced and exported

ShootHocl Hypochlorous Acid Generator advantages



IOT Intelligent solutions

PC control interface



Mobile terminal control interface



The running status of the device is uploaded to the iot platform in real time, and users can remotely view the running status of the device and configure running parameters through the APP or webpage.

Users only need to add equipment liquid regularly according to the system prompts, without personnel on duty operation. The equipment supports a variety of scenarios and working modes, and can automatically produce, automatically stop, and automatically alarm.



Our customers

ShootHocl Hypochlorous Acid Generator



Some Of Our Clients

Ultra Pure®

Vermont
A.L.S. Etero-Leer B.V.

AHSI

bioccloud®

PT. DOVER CHEMICAL
THE DOVECHEM GROUP

FOOD MACHINERY
Buysse

Fermador



ISOCLEAN®
CLEAN BRUSHES *Clear Skin*

GEIA



AYRO TRADING JAYA
More than just a brand is a

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巴鲜岛

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广州久科
化工有限公司

惠佰利
1991.9.98-1.9.98.9

ShootHocI Hypochlorous Acid Generator Installation site



Mexico 1000L/H



Colombia 200L/H



Britain 120L/H



Italy 200L/H



Austria 50L/H



Spain 2000L/H +RO



Netherlands 500L/H



Indonesia 300L/H



S.Africa 2000L/H

ShootHocl Hypochlorous Acid Generator





THANKS!

ShootHocl
Hypochlorous Acid Generator
& Disinfection Solution

www.hoclgenerator.com

TEL/WhatsApp: +86 185 6003 3956

