

SHOOT-Sodium Hypochlorite Generator

EQUIPMENT PROFILE

The sodium hypochlorite generator is designed as a stand-alone device, using softened water and saturated brine to match 3% dilute brine online, quantitative transportation and electrolysis to produce sodium hypochlorite disinfectant with a concentration of 5000-8000ppm for storage and then adding. The raw materials used in the system are only water and salt, and the hydrogen generated by electrolysis under safe low voltage conditions is discharged by two-stage hydrogen discharge treatment, which is safe and reliable.

EQUIPMENT FEATURES

- Single-machine device design: clear process, flexible installation, easy to operate
- High frequency constant current power supply :100% load, **current deviation <1%, current efficiency >90%**
- Imported brand electrodes: transparent electrolytic cell, visual electrolysis process, laser engraving Logo anti-counterfeiting
- Intelligent PLC control: Ethernet communication interface, unattended operation mode
- Static preparation of saturated brine process: spiral salt, reduce the number of equipment, manual operation
- Patent design: beautiful and generous, unusual
- With a number of interlocking functions: multiple flow detection, concentration detection, pressure detection, temperature detection, hydrogen detection, liquid level detection, etc
- Excellent operating parameters: **3.5Kg of salt and 4.5KW · h of electricity per kg of available chlorine produced**



MODEL PARAMETER

Model	Yield (available chlorine g/h)	Power(KW)	Dimension(mm)	Weight (Kg)
SHC-1000G	1000	8.0	1200 × 570 × 1550	270
SHC-2000G	2000	14.0	1800 × 680 × 1800	300
SHC-3000G	3000	20.0	1800 × 680 × 1800	350
SHC-4000G	4000	25.0	1800 × 680 × 1800	400
SHC-5000G	5000	30.0	2000 × 760 × 2000	480
SHC-7000G	7000	45.0	2000 × 800 × 1800	420
SHC-10000G	10000	60.0	2100 × 800 × 1800	460

EQUIPMENT CONFIGURATION

Host configuration: electrolytic electrode, electrolytic power supply, saline pump, soft water pump, flow meter, conductivity meter, pressure switch, temperature detector

Peripheral configuration :PLC control system, dosing pump, water softener, hydrogen exhaust fan, soft water storage tank, salt water storage tank, sodium subgas storage tank, hydrogen alarm instrument, liquid level switch, pickling device



SHC- High concentration sodium hypochlorite generator

Technological principle

The diaphragm method sodium hypochlorite generator electrolyzes 25%~30% of the brine by the diaphragm method to produce chlorine gas and reacts with sodium hydroxide in the reactor to produce 10%~12% sodium hypochlorite solution.

The system includes: salt treatment device, ultra-pure water device, control cabinet, electrolytic device, reaction tower and sodium hydroxide circulation device, etc.

Basic condition

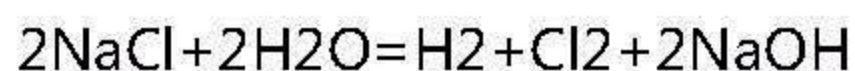
Source of water : Municipal tap water, water pressure $\geq 0.2\text{MPa}$.

Ingredients : Food salt or industrial salt, sodium hydroxide.

Power source : AC380V/50Hz.

The reaction process is as follows

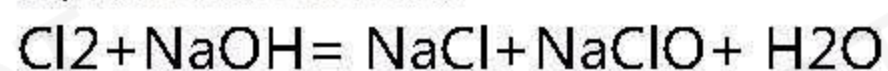
Diaphragm cell



Anode : $2\text{Cl}^- - 2\text{e} = \text{Cl}_2$

Cathode: $2\text{H}_2\text{O} + 2\text{e} = \text{H}_2 + 2\text{OH}^-$

b、Reaction tower :



High concentration sodium hypochlorite solution has strong oxidation, can effectively sterilize and disinfect, and is widely used in water bleaching and disinfection process.

Use environment

The equipment is suitable for indoor use, not outdoor use, (pay attention to rain and sun protection).

The equipment is suitable for working environment temperature $0^\circ\text{C} - 45^\circ\text{C}$, (pay attention to anti-freezing)

The relative humidity of the suitable working air of the equipment should be less than 85% (no condensation).

The equipment room should be equipped with ventilation equipment and ventilated regularly.

After-sales service

Professional
after-sales team

Timely and rapid
response

Product quality
assurance

Tel/WhatsApp: +86 155 0861 7768

+86 156 6279 5887

Website: www.hoclgenerator.com/

E-mail: carina@hoclgenerator.com

Technical parameter

Supply voltage: AC380V $\pm 10\%$ /50Hz ;

Sodium hypochlorite solution concentration: $\geq 100\text{g/L}$;

Salt consumption : $\leq 2.5\text{kg}/(\text{kg Available chlorine})$;

Power consumption : $\leq 4.5\text{kW}/(\text{kg Available chlorine})$.

Important Note

1. Regularly check whether the hydrogen exhaust pipe is smooth to prevent water sealing or freezing sealing of the pipe, resulting in poor hydrogen discharge.

2. Before using the equipment, please check whether the water, electricity and hydrogen exhaust pipes are installed according to the technical requirements.

3. The equipment should be strictly fire source management, prohibited to carry all fire.