



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

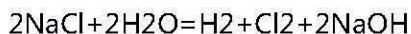
Source of water : Municipal tap water, water pressure $\geq 0.2\text{MPa}$.

Ingredients : Food salt or industrial salt, sodium hydroxide.

Power source : AC380V/50Hz.

The reaction process is as follows

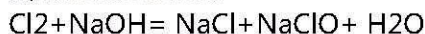
Diaphragm cell



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°C - 45°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.hocgenerator.com/

E-mail: carina@hocgenerator.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.