



Main components of the system

- Salt dissolving tank or seawater tank: 200L food grade PE tank (the volume is related to specifications)
- Salt dissolving pump: centrifugal pump of fluorine plastic (if it is of electrolyzing seawater type then no need to configure the pump)
- Filter of dissolving salt or seawater: specified 300um PVDF filter cartridge which is changeable and carrying valve
- Tank for purified salt water or seawater: 100L food grade PE tank (the volume is related to specifications)
- Dilute salt water tank: 100L food grade PE tank (if the dilute salt water is of seawater type then no need of dilute salt water tank)
- Host machine of sodium hypochlorite generator: electrolysis tank and control components
- Control center: SIMENS PLC carrying with remote communication module
- Liquid crystal display: 10 inches SIMENS LCD touch screen
- Electrolysis power supply: 1KW constant current power supply of high frequency (power is related to specifications)
- Sodium hypochlorite storage tank: 200L food grade PE tank (the volume is related to specifications)
- Dilute salt water or seawater metering pump: anti-corrosion metering pump (flow amount is related to specifications)
- Sodium hypochlorite dosing pump: Milton Roy anti-corrosion metering pump (pressure and flow amount are related to specifications)
- Dosing pump inverter: SIMENS inverter
- Online chlorine monitor: ATI Analytical Technology, Inc, USA. 0.00~20.00ppm

	Chlorine Production (g/h)	Chlorine Concentration (PPM)	Salt Concentration (PPM)	Water Consumption (L/h)	Salt Consumption (Kg/h)	Power Consumption (KW)
CG - 50	50	5000	>5000ppm	>10	<0.175	<0.2
			>3000ppm	>17		
CG - 100	100	5000	>5000ppm	>20	<0.35	<0.4
			>3000ppm	>35		
CG - 150	150	5000	>5000ppm	>30	<0.525	<0.6
			>3000ppm	>50		
CG - 200	200	5000	>5000ppm	>40	<0.7	<0.8
			>3000ppm	>70		
CG - 250	250	5000	>5000ppm	>50	<0.8	<1.0
			>3000ppm	>90		
CG - 300	300	5000	>5000ppm	>60	<1.05	<1.2
			>3000ppm	>100		