

DSA ELECTRODES

Hypochlorite Electrolyzer

An electrolyzer has three component parts: an electrolyte and two electrodes (a cathode and an anode) which consists of a system that uses electricity to break water into hydrogen and oxygen in a process called electrolysis. The electrodes is made of pure titanium with ruthenium and iridium oxide coating which ensure over 5 years coating life ensuring with high hypochlorite generation efficiency. Jennings Anodes hypochlorite electrolyzer is designed for producing 8000ppm sodium hypochlorite through 0.3% brine, which is stable and safety running onsite. With more than 20 years accumulated experience, we can provide customized service for both electrolysis cell or individual electrodes.

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Product Applications

1. Potable water treatment
2. Aquatics and pools
3. Odor control/corrosion control
4. Food & beverage processing
5. Wastewater treatment
6. Cooling towers, inland power stations & industry
7. Irrigation systems
8. Agriculture/Farming

Features

1. Easy and fast installation
2. Good electrocatalytic properties
3. High electrical conductivity
4. Superior corrosion resistance
5. Uniform current distribution
6. No hazard chemical storage



Specifications

Anode Type	Hypochlorite electrolyzer
Anode and Cathode	Gr1 Titanium as substrate
Coating Type	$RuO_2 + IrO_2 + X$
Outer Shell	Anti-corrosion transparent PVC or Acrylic
Inner Isolated Plate	PVDF
Coating Thickness	3-10 μ m
Cl ₂ Production	0.5 ~ 10 kg/h
Salt Consumption Rate	1.75 ~ 35 kg/h