



SALT WATER ELECTRO-CHLORINATOR CELL



Company History

Xinxiang Future Hydrochemistry Co., Ltd. (FHC) specializes in developing and manufacturing high-performance MMO coated titanium electrode products. We deliver reliable, state of the art and cost effective products. Our products have been used in China for over 20 years and in last decade, our products export to overseas had been steadily increased in North America, Europe, Africa, South America, Middle East and Asia, etc.

FHC Chlorinator Cell Working Principle

FHC Salt Water Chlorinator is used to clean and disinfect water in swimming pool with salt and a group of titanium electrodes. A FHC Salt Water Chlorinator Cell that contains a group of titanium electrodes is installed on the filter line, a specific amount of raw salt is added to the water of the swimming pool. Once the circulating pump kicks on, the salt water is pumped through the filter and around the electrode plates that works by splitting the salt molecules and generating chlorine. Chlorine is good material to clean and disinfect swimming pool water. The control system monitors and controls the level of chlorine and also indicate when more salt is required to added in.

No more mixing, measuring and messing around with liquid or tablet chlorine again.

Now you can automatically turn ordinary salt into a self-regenerating supply of pure chlorine for both pool and spa water that's clean, clear and luxuriously soft. Electronic chlorination has become the simple, safe and affordable alternative to using harsh, chemically-produced chlorine to sanitize pools and spas.

Unlike traditional chlorine treatments that require a regular routine of monitoring and replacing chlorine, electronic



chlorination produces chlorine from common table salt. As water passes through the FHC Salt Water Chlorinator Cell, an extremely safe electrical charge turns the salt previously added to the water into fresh sanitizing chlorine which is then dispensed evenly throughout the pool. Just a teaspoon of salt per gallon of water is all it takes. Installation is quick, easy and suitable for any new or existing pool. No chlorine odor, low operating costs, pays for itself, and is virtually maintenance free— FHC Salt Water Chlorinator is the ideal alternative to traditional factory produced chlorine for soft, silky-smooth water.

Our Advantages

FHC Salt Water Chlorinator has been used in the market for many years. There are two types of titanium electrodes for salt chlorinator: Reverse-Polarities (self-cleaning with reversing polarities in a period of 0.05–24 hours) and Mono-Polarity (polarities are not reversed during the electrolysis process and usually a manual cleaning is required).

With our proprietary advanced coating techniques, Model RP and RM gives Reverse-Polarities titanium plate working life up to 10,000 hours of continuity test at 300Amp/m² and salt level at 3000 ppm, model ACP and model ACM gives mono-polarity titanium electrode up to 50,000 hours of continuity test at 300Amp/m² and salt level at 3000 ppm, as the highest standard in the coated titanium anode industry.



Features

- The Cell has three installation options for your choice
- Quick installation, maintenance free and user friendly
- No more purchasing, handling and storing chlorine chemicals
- No more chlorine smell and itchy
- Lowest running cost
- High performance and efficiency mesh or plate electrodes
- Pipe adaptors provide to fit both 40 and 1½ inches pipes, easy plumbing work
- Clear cell case for easy electrodes inspection

Technical Specifications (domestic models)



1. Reverse-Polarities Cell - Plate Types

Model No. Standard	RP-15	RP-20	RP-25	RP-35
Pool Capacity : Cool climates Cubic Meters(liters)	60 (60,000)	80 (80,000)	120 (120,000)	180 (180,000)
Pool Capacity : Hot climates cubic meters (liters)	35 (35,000)	45 (45,000)	65 (65,000)	120 (120,000)
Flow rate	250LPM	330LPM	415LPM	585LPM
Chlorine Output (Gas)	15 g-Cl ₂ /hr	20 g-Cl ₂ /hr	25 g-Cl ₂ /hr	35 g-Cl ₂ /hr
Power Supply (DC Volts/Amps)	7/15	7/20	7/25	7/35

(Testing condition: salt level 5000ppm, 25°C)

2. Reverse-Polarities Cell - Mesh Types

Model No. Standard	RM-15	RM-20	RM-25	RM-35
Pool Capacity : Cool climates Cubic Meters(liters)	60 (60,000)	80 (80,000)	120 (120,000)	180 (180,000)
Pool Capacity : Hot climates cubic meters (liters)	35 (35,000)	45 (45,000)	65 (65,000)	120 (120,000)
Flow rate	250LPM	330LPM	415LPM	585LPM
Chlorine Output (Gas)	15 g-Cl ₂ /hr	20 g-Cl ₂ /hr	25 g-Cl ₂ /hr	35 g-Cl ₂ /hr
Power Supply (DC Volts/Amps)	7/15	7/20	7/25	7/35

(Testing condition: salt level 5000ppm, 25°C)

3. Mono-Polarity Plate Electrolytic Cell

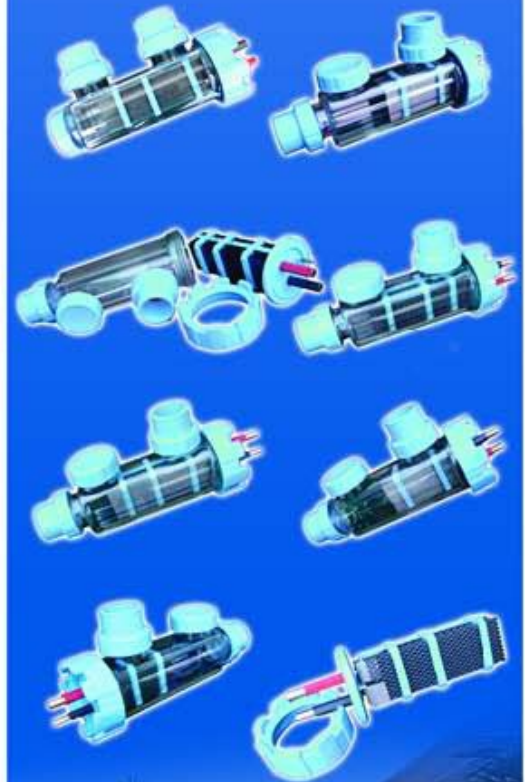
Model No. Standard	ACP-15	ACP-20	ACP-25	ACP-35
Pool Capacity : Cool climates Cubic Meters(liters)	60 (60,000)	80 (80,000)	120 (120,000)	180 (180,000)
Pool Capacity : Hot climates cubic meters (liters)	35 (35,000)	45 (45,000)	65 (65,000)	120 (120,000)
Flow rate	250LPM	330LPM	415LPM	585LPM
Chlorine Output (Gas)	15 g-Cl ₂ /hr	20 g-Cl ₂ /hr	25 g-Cl ₂ /hr	35 g-Cl ₂ /hr
Power Supply (DC Volts/Amps)	7/15	7/20	7/25	7/35

(Testing condition: salt level 5000ppm, 25°C)

4. Mono-Polarity Mesh Electrolytic Cell

Model No. Standard	ACM-15	ACM-20	ACM-25	ACM-35
Pool Capacity : Cool climates Cubic Meters(liters)	60 (60,000)	80 (80,000)	120 (120,000)	180 (180,000)
Pool Capacity : Hot climates cubic meters (liters)	35 (35,000)	45 (45,000)	65 (65,000)	120 (120,000)
Flow rate	250LPM	330LPM	415LPM	585LPM
Chlorine Output (Gas)	15 g-Cl ₂ /hr	20 g-Cl ₂ /hr	25 g-Cl ₂ /hr	35 g-Cl ₂ /hr
Power Supply (DC Volts/Amps)	7/15	7/20	7/25	7/35

(Testing condition: salt level 5000ppm, 25°C)





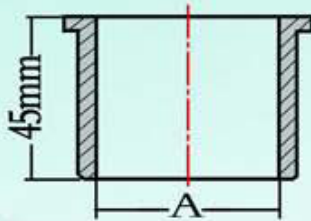
Technical Specifications (domestic models)

5. Net Weight (kg): 1.25–1.6

6. Dimensions (cm): 35.5X12X17.5

7. Maximum Operating Pressure: 200 kPa (40 psi)

8. Adapter Provided to Fit The Following Pipe Sizes:



Model	1	2
Pipe Size	1½ inches	40mm
A	48.7mm	50.2mm

9. Installation Tips

a) FHC Salt Chlorinator Cell shall be installed as the last equipment of the swimming pool water treatment process for maximum corrosion protection.

b) FHC Salt Water Chlorinator shall be horizontal with the unions facing downward.

c) Water shall flow through the cell in both orientations.

d) The cell unions shall be glued to PVC by PVC cement. Clean both end of the pipes with solvent cleaner, apply glue to both surfaces; assemble glued joint and hold in place for at least 30 seconds; Allow 24 hours to cure before turning on the circulation system.

e) Typical installation:



10. Life-time of The Cell

The expected life time of the cell is approximately 5 years with proper designed, sized and maintained in a seasonal climate. However in conditions where there is a high demand for chlorine (high bather load, poor water chemistry, and hot climate), the life time may be reduced.

Power Supply Is Not Included



XIN XIANG FUTURE HYDROCHEMISTRY CO.,LTD

Changyuan Town, Xinxiang City,
Henan Province, China
Tel: +86-373-8795215
Fax: +86-373-8751158

<http://www.ti-anode.com>
Sale@ti-anode.com