

EC4 Series

Calcium Hypochlorite Dosing station
40kg for Swimming Pool & Spa

Innovative | Intelligent | Convenient



EC4 Series

Intelligent and Precise Dosing

Automatically adjusts the disinfectant dosage based on real-time water quality parameters.

Dosing accuracy reaches 0.01 ppm, with water quality targets customizable to meet diverse client needs.

Reduce the Use Cost

Water quality data is updated every second.

This ensures compliance with water quality standards while minimizing chemical usage, reducing use costs.

Waterproof and Dustproof

Circuit waterproof rating: IP68

Main unit waterproof rating: IP65

Overall dustproof rating: Level 5



EC4

40kg for Calcium Hypochlorite Granulate

EC4 Main Parameters				
Compatible Chlorine Type	Calcium Hypochlorite Granulate 70% min			
	40kg of Calcium Hypochlorite can treat 40,000 m³ of indoor recirculating pool water (For outdoor pools, the dosing amount needs to be doubled).			
	Chlorine drum Matching Size			40 kg us style drum
	Acid drum Matching Size			25L drum
Compatible Acid Types	Sulfuric acid 50%, sulfuric acid 30%, Oxalic acid, glacial acetic acid			
Water Quality Monitoring Instrument Parameters				
Chlorine Electrode Detection Principle		Uses a constant voltage three-electrode system (platinum electrode, titanium electrode, and ball electrode)		
Detection Cycle		Once per second		
Detection Range and Accuracy				
Item	Detection Range	Detection Accuracy	Resolution	
Residual CL	0.00~10.00mg/L	0.01~0.20 mg/L:±0.01mg/L; 0.21~3.00mg/L:±0.10mg/L or 5% ,Select max; 3.01~10.00mg/L:±0.30mg/L or 5% ,Select max;	0.01mg/L	
PH	0.0~14.0	±0.01	0.01	
Temp	0.0~60.0℃	±0.5℃	0.1℃	
Flow	16.0~40.0L/H*	±5%	1L/H	
*Flow rate is optimal at 20.0L/H. Flow refers to the flow inside the detector.				
Wireless Connection: WiFi 2.4GHz IEEE802.11 b/g/n or 4G SIM Card (Supplied by manufacturer) Provide remote monitoring by smartphones or computers.				
Packaging Dimensions				
Machine Dimensions		50×68×147 cm		
Packaging Dimensions		60×78×160 cm		
Net Weight		70kg		
Gross Weight		80kg		
Installation Conditions				
Electrical Condition		AC 220V/50Hz		
Water System Conditions		Inlet pipe, outlet pipe, drain gutter		
Installation Space		When mounting the machine, please ensure that there is a minimum of 40 cm clearance at the rear and 60 cm on the left and right sides.		
Please refer to the attached picture for further information.				

Patented Achievements

Invention Patent:	ZL 2023 1 1765911.9 ZL 2023 1 1764886.2	Design Patent: 302025001395 25-E0371-0101
Utility Model Patents:	ZL 2023 2 3507651.3 ZL 2023 2 3507660.2	ZL 2023 2 3488304.0 ZL 2023 2 3513322.X

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Remote Monitoring System

Users can monitor equipment status and water quality in real-time via smartphones or computers, and remotely control the system anytime

Spiral Feeding System

This system control accuracy of up to 0.1g. the fully plastic-wrapped design effectively protects the motor from chemical corrosion, significantly extending the motor's lifespan.

Water Quality Detection Electrode

Utilizes a constant pressure three-electrode system, eliminating the need for electrode membranes and electrolyte. Platinum electrode to have excellent sensitivity to residual chlorine in the test water, with precision reaching 0.01 mg/L.

Newly designed self-cleaning system can effectively reduce the physical adhesion and chemical oxidation. This effectively lowers the maintenance frequency.

Triple Tornadoes Dissolution Architecture

This system ensures that every granule entering the water undergoes three Installation Space different vortex dissolution processes. This greatly reduces the solid content in the mixed solution at the outlet, make dissolve more fully.

EC4 Series



The status before flipping



The flipped status



For more product inquiries
please visit our website.



www.tornados-tech.com

Please refer to the actual product for accuracy.