

HKE CLEAN On-Site Disinfectant Generator

Food | Livestock | Slaughter | Aquaculture | Agriculture | Odor Removal

Toxic Free Solution



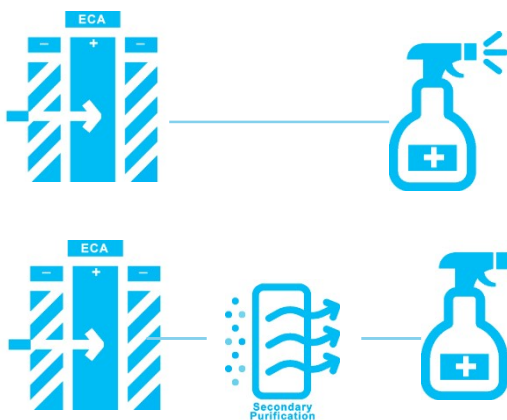
TC-60
On-site HOCl Generator

Engineered with cutting-edge electrolysis technology and protected by 23 domestic and international patents, this advanced disinfection system delivers a 99.9% antibacterial rate with zero residue. Unlike traditional methods, it employs a vacuum-type precision reactor and a secondary purification process to remove

NaOH and residual NaCl by-products completely. The result is a safe, non-irritating hypochlorous acid solution—ideal for applications requiring high-level hygiene and environmental safety.

ADVANCED ECA TECHNOLOGY

Replacing Your Traditional Cleaners and Disinfectants



Traditional ECA disinfectants often contained unsafe by-products like chlorite due to incomplete electrolysis.

The HKE TC-60 features an advanced dual-chamber electrolysis module with a secondary purification process that completely removes NaOH and impurities from the NaCl reaction byproducts, ensuring a professionally validated high-purity, low-residue system.

This refined process not only overcomes the residue issues common in traditional electrolysis and chemical systems, but also significantly reduces corrosion risks to equipment and piping—effectively extending product lifespan and enhancing operational stability.

WHY USE HKE TC-60

TC-60 is an environmentally-friendly disinfectant with versatile applications across various industries, effectively eliminating bacteria and minimizing disease transmission risks.

	TC-60 Advanced Electrolyzed Antimicrobial Solution	Conventional Electrolyzed Antimicrobial Solution
Electrolysis Material	Salt	Salt
Purification Process	Yes	No
Main ingredients	Pure Hypochlorous Acid (HOCl)	Hypochlorous Acid or Chlorine Dioxide
Chlorine Gas Residue	None	Gaseous byproduct from hypochlorous acid generation
Mixed Byproducts	None – impurities removed at source	Contains alkaline substances such as Sodium Hydroxide (NaOH), Sodium Hypochlorite (NaOCl), and unreacted Sodium Chloride (NaCl)
pH Level	5.0–6.5	Typically Alkaline
Safety	High (non-irritating, non-allergenic, skin-safe, harmless to animals/plants/cells, no residue)	Low (may cause skin irritation or allergies, harmful to aquatic life, may leave odor residues)

Comprehensive Disinfection and Deodorization Solution



Livestock Farming

Milking equipment and udders, feed troughs and drinking water systems, entry and exit passages, Birthing areas/stalls, hatcheries, deceased animal handling, surrounding deodorization



Aquaculture

Water disinfection before replenishment, regular water quality control in culture ponds, water tower filtration, Feed barrels and feeding equipment, shrimp fry transport boxes, disinfection before fish eggs/shrimp fry enter ponds



Slaughter and Processing Facilities

Animal receiving areas (holding pens/stalls), slaughter area, entry and exit points, Cutting and processing areas including work tables, equipment, soaking pools, cold storage, and packaging areas



Food & Produce Processing

Outer packaging surfaces, carts, surface cleaning of produce/ food/ eggs
Knives, conveyors, worktables, weighing stations, cold storage areas, and food preservation





Agricultural Tissue Culture

Orchids and aquatic plants, media, tools, Mycena (white mushrooms), Trichoderma (black mold), Penicillium, water sources, cooling towers, fruit trees, bottle seedling rooms, soil



Odor Removal

Ideal for use in factories, animal farms, agricultural composting sites, chemical plants, garbage processing areas, smoking rooms, and spaces requiring formaldehyde or odor removal.



Effortless Efficiency and Streamline Processes

One Click is All It Takes!

Streamline your processes with a single click, allowing you to allocate manpower to more critical tasks.



Fully Automatic by PLC Control

Our PLC system features automatic water level detection, replenishment, and shutdown, offering a high level of automation that ensures precision throughout every stage of operation.

Online Monitoring for Peace of Mind

Our system is equipped with a state-of-the-art online monitoring system. Any abnormal values are promptly notified to our background system and simultaneously, WhatsApp Messenger receives anomalous messages, enabling us to identify and address issues in advance, thus preventing factory shutdowns.



Specification

Rated Power/ Voltage/ Frequency	220V 1-Phase/ 1280W/ 50 – 60Hz
WiFi Capability	Support online monitoring system
pH	5 – 6.5
Concentration	200ppm ± 50ppm
Capacity	1 ton/ hour (200ppm)
Size (cm) / Weight (kgs)	80 (L) x 80 (D) x 172 (H) / TBD
Maximum Operating Hours	15 hours/ day

