Produce hypochlorous acid water with an effective chlorine concentration of 100 mg/kg (ppm).

*KEW-A009-1A only. For equipment that doesn't use pH control.

Aqua pulita

KEW-A009-1A/-2A/-3A

●Panel controls

Our electrolyzed water generators are licensed from Toshiba Corporation.

■Main specifications

Model		KEW-A009-1A	KEW-A009-2A	KEW-A009-3A
Electrolyzed water specifications	Acidic electrolyzed water*1 (hypochlorous acid water)	Production rate: 1.5 L/minute	Production rate: 3.0 L/minute	Production rate: 5.0 L/minute
		Effective chlorine concentration: 100 mg/kg (ppm)	Effective chlorine concentration: 50 mg/kg (ppm)	Effective chlorine concentration: 30 mg/kg (ppm)
		pH2.7～6.5	pH2.7～6.5	pH2.7～6.5
	Alkaline electrolyzed water*1	Production rate: 0.5 L/minute		
		pH9～13		
Electrolysis method		2 partitions, 3 chambers		
Rated voltage		AC100V		
Rated frequency		50/60Hz		
Power consumption		Approx. 150 W		
Output water quality		Equivalent to drinkable tap water*2 with hardness of 1 ppm or lower, or purified water (reverse osmosis water)		
Input materials		Sodium chloride (NaCl) or potassium chloride (KCl)　Purity 99.5% or higher5～35℃		
Output water temperature		5– 35°C		
Usage environment		Ambient temperature 0 – 35°C, humidity 70% RH or less		
External dimensions		Length 359 mm × width 205 mm × height 351 mm		
Product weight		Approx. 10 kg		
Output water pressure		0.15 – 0.35 MPa		
Peripheral equipment		A water softener (add-on option) is required (if the source water hardness is 1 ppm or higher). Note: A water softener is not required if you are using purified water (reverse osmosis water).		

*1. Effective chlorine concentration and pH will vary according to the quality of the source water used.　*2. The quality of the source water determines the need for a water softener.

Maintenance: The life span of the electrolysis cell, the main consumable component, is (generally speaking) approximately 2,000 hours. Therefore, maintenance (such as replacing components) should be done regularly once per year if the device is used continuously for eight hours per day. Note: The requirement for maintenance servicing depends on the use of the product. Please contact us for maintenance servicing and pricing inquiries.

This product is not a medical device.

Safety-related cautions

- The water produced by this device is not intended for drinking. Do not drink it.
- People with chlorine allergies should be careful.
- Be sure to read the instruction manual carefully before using the product in order to ensure it is used correctly and safely.
- The products in this catalog conform to Japanese domestic specifications.

Kanazawa Industry Co., Ltd.

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These products may be purchased at the following store, which offers friendly service:

● The specifications and designs shown in this catalog are subject to change without notice due to design changes or other reasons.

The content in this catalog is current as of April 2020.

Kanazawa

Catalog 2020-4

For those interested in facility hygiene control

Aqua pulita

Commercial-use electrolyzed water generator

Electrolyzed water
helps to maintain clean, hygienic environments.

Easy-to-install compact size.

KEW-A009

https://www.kanazawakogyo.co.jp/ Search

Please visit our website for more information. https://www.kanazawakogyo.co.jp/ (Japanese only)

Effective against bacteria and viruses! ***Electrolyzed water*** helps to maintain clean, hygienic environments on a daily basis.

Acidic electrolyzed water (hypochlorous acid water) and alkaline electrolyzed water are produced from water and salt through electrolysis. Both types of electrolyzed water have their own respective properties and are easy and convenient to use. Acidic electrolyzed water (hypochlorous acid water), which is highly effective against bacteria and viruses, is useful in a wide range of fields, including hygiene control and facility cleaning.

Reliable antibacterial power

Effective against various bacteria and viruses.

Strong deodorizing power

Effective against unpleasant odors.
(methanethiol, ammonia, trimethylamine, etc.)

What is hypochlorous acid water?

Hypochlorous acid water is used for various sterilization and deodorization purposes.

Highly safe*1

It is a highly safe form of water that leaves no residue and is mild on the skin.

*1. Hypochlorous acid water is made from safe water and salt, and it has been confirmed that accidentally ingesting it is not harmful to health. However, those with chlorine allergies should be careful.

Use it for daily safe hygiene control and unwanted odors!

Electrolyzed water is highly effective for sterilizing and deodorizing and is readily used at numerous facilities.

Medical and nursing facilities

Used for sterilizing shared utensils and deodorizing sheets.

Food processing plants

Used for cleaning and sterilizing food processing equipment.

Garbage storage areas

Used to deodorize kitchen garbage inside facilities.

Restrooms

Used to sterilize toilet seats.

Sports clubs

Used for sterilizing and deodorizing sweat-covered sports equipment and mats.

Nursery schools

Used for sterilizing toys.

Kitchens

Used to sterilize and deodorize cutting boards and cooking utensils.

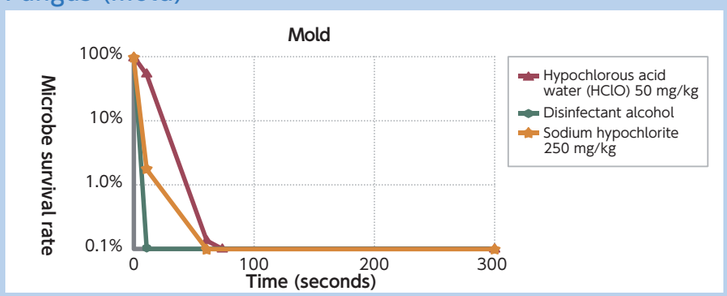
Pet shops

Used to deodorize pet items.

Antibacterial effect

Effective even against mold!

Fungus (mold)



Microbe test method:

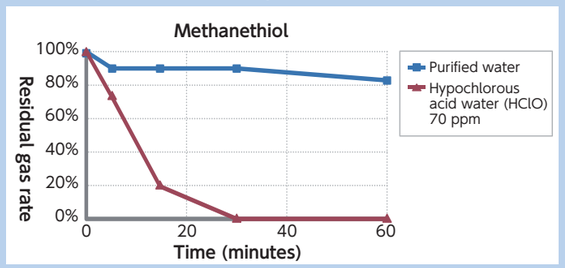
100 μL of microbial solution (prepared with PBS [-]) was added to 900 μL of the sample solution. It was then mixed and allowed to stand for 10 seconds, 1 minute, 5 minutes, and 10 minutes, after which a 10X dilution series was prepared in a medium containing 0.1 N sodium thiosulfate. 10 μL from each of these solutions was applied to suitable agar media and cultured, and then the number of colonies was counted. (Microbes: The initial microbe count was between 106 and 108 CFU/mL, and the survival rate after treatment with hypochlorous acid water is shown.)

Note: Testing carried out by Prof. Atsuo Iwasawa.* (Tabulated by Toshiba in 2016.) (*Iwasawa is currently a professor at Graduate School of Tokyo Healthcare University.)

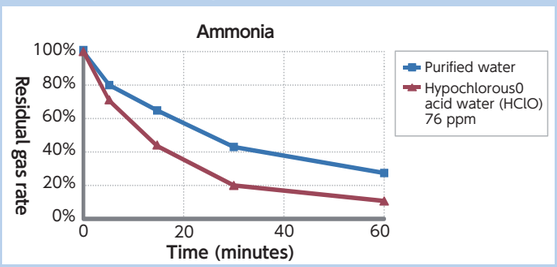
Deodorizing effect

Effective even against odor constituents!

Odors (methanethiol)



Odors (ammonia)



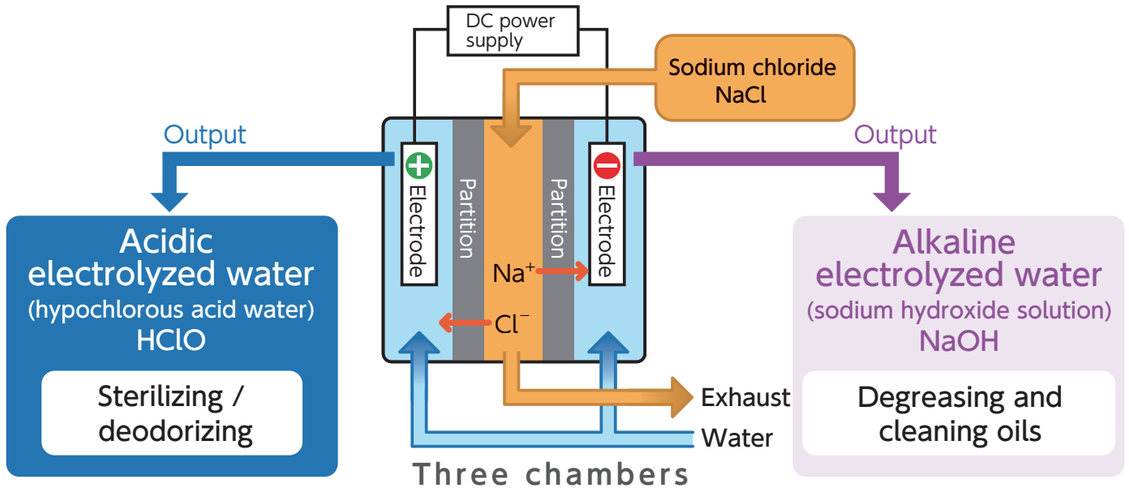
Odor test method:

A mist generator was set up in advance. The test gas was injected into a closed booth 1 m³ in size. The odor concentration inside the booth was set to approximately 4 ppm for methanethiol and to approximately 80 ppm for ammonia. Next, purified water or hypochlorous acid water was sprayed into the booth using the mist generator, and the odor concentration was measured over time using a gas detector tube. (Study by Toshiba)

This is what makes Kanazawa Industry different! An electrolyzed water generator with three chambers.

Kanazawa Industry's electrolyzed water generator uses a three-chambered electrolysis bath that offers three benefits. The source materials are salt (sodium chloride [NaCl] or potassium chloride [KCl]) and water. It produces acidic electrolyzed water (hypochlorous acid water) and alkaline electrolyzed water.

■Electrolyzed water generator setup



Benefit 1 Because it doesn't contain salt…

Less corrosive

Because it does not contain salt and other impurities, it causes less corrosion than hypochlorous acid water that contains salt.

Benefit 2 It uses only water, salt, and electricity.

Low running cost

Electrolyzed water is produced using only water, salt, and electricity, so it is safe to use and contains no chemicals.

Benefit 3 It produces alkaline electrolyzed water.

Strong cleaning power

It produces alkaline electrolyzed water with an emulsifying effect that can be used for degreasing and cleaning oils.

The strong degreasing effect of alkaline electrolyzed water

Alkaline electrolyzed water is effective at removing oil stains and can be used for degreasing and cleaning oils.


Cleaning floors

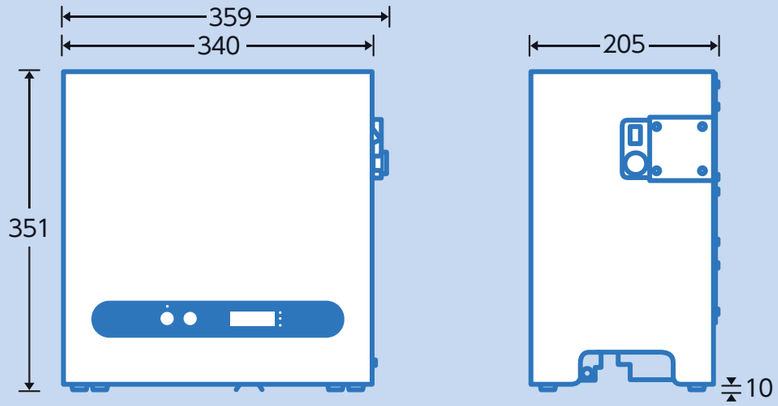

Removing oil stains


Removing slime from cooking utensils

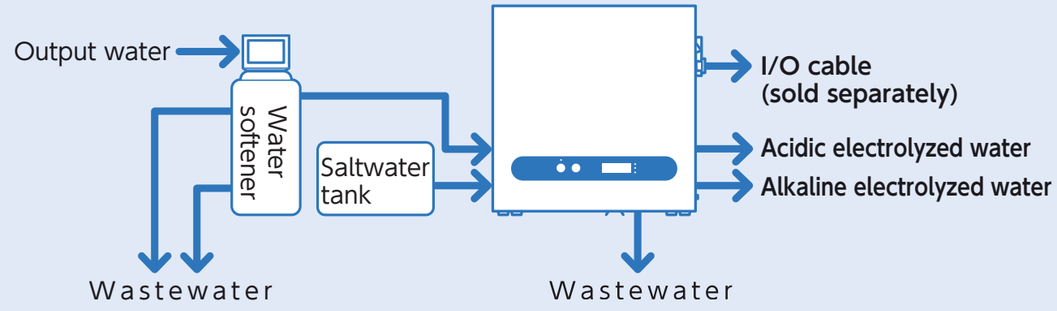
Note: Because of its alkalinity, we recommend that people with sensitive skin wear gloves.

■External dimensions

(units: mm)



■Installation diagram



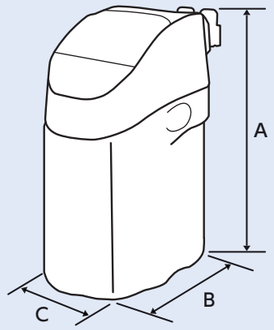
Sold separately

I/O cable: KEU-CAB20A

■Main specifications

	KEU-CAB20A
Overall length	Approx. 2 m
Connector plug	Round waterproof connector

Water softener: MSX-10/MSX-30



■Main specifications

		MSX-10	MSX-30
Standard processing rate		4 L/minute	16 L/minute
Product weight		Approx. 12.5 kg	Approx. 21.5 kg
External dimensions	A	Approx. 460 mm	Approx. 670 mm
	B	Approx. 360 mm	Approx. 470 mm
	C	Approx. 205 mm	Approx. 330 mm