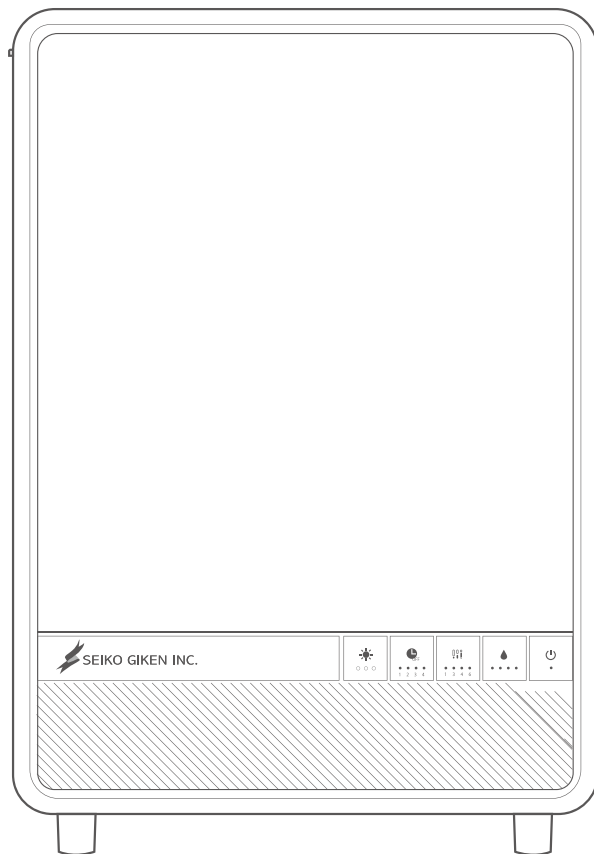


# UX4

## User's Manual



ULTRASONIC ATOMIZER

We would like to thank you for using our products.

To use this Ultrasonic Atomizer correctly, read this User's Manual thoroughly.

Please be sure to read "Safety Precautions" before use.

Store this User's Manual at a place where you can easily access to read it anytime.

## Contents

- 1 Safety precautions
- 2 Installation place
- 3 Name of each part
- 4 Preparing for use (connection with AC adapter / how to feed water)
- 5 About the Operation Panel  
(power supply / mist control / intermittent mode switches)
- 6 About the Operation Panel (off timer/illumination switches)
- 7 Maintenance and Storage
- 8 Troubleshooting (List of Alarm Display)
- 9 Troubleshooting
- 10 Specification

# Safety precautions

Must follow

Be sure to read before use.

Also, store this User's Manual at a place where you can read it at any time when needed.

\*The precautions stated herein are intended to prevent harm and damage on you or other people through safe use of this Atomizer.



"Prohibited" matters that must not do.



Matters that "must do."



## WARNING

Matters that might lead to death or sever injury.



**Do not damage power cord**

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.



**Do not touch the power plug with a wet hand.**



**Do not insert any foreign matter**



**Do not wet the main body**



**Only use the AC adapter dedicated to this Atomizer.**



**Disassembly is prohibited**



**Do not atomize tap water only**



**Do not use chlorine detergent**

\*These misuses may result in the generation of toxic gas.



**Do not use acidic detergent or cleaner.**

\*These misuses may result in the generation of toxic gas.



**Keep babies and young children from touching the Atomizer**

This appliance can be used by children aged from 8 years or above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.



**At the time of maintenance, water discharge, and abnormal situation, stop operation and pull out the adapter.**



**Discharge fluid toward specified direction.**

**Children shall not play with the appliance.**

**Cleaning and user maintenance shall not be made by children without supervision.**



## CAUTION

Matters that may cause you injury or damage to your household contents.



**Never use the Atomizer without an inner tank.**



**Do not place this product on an unstable position.**



**Do not move the main body while using this product.**



**Maintenance should not be done during or immediately after the use of this product.**



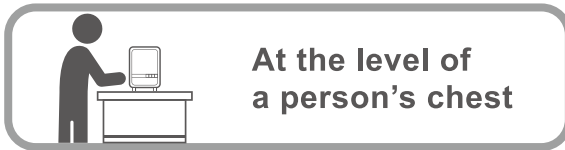
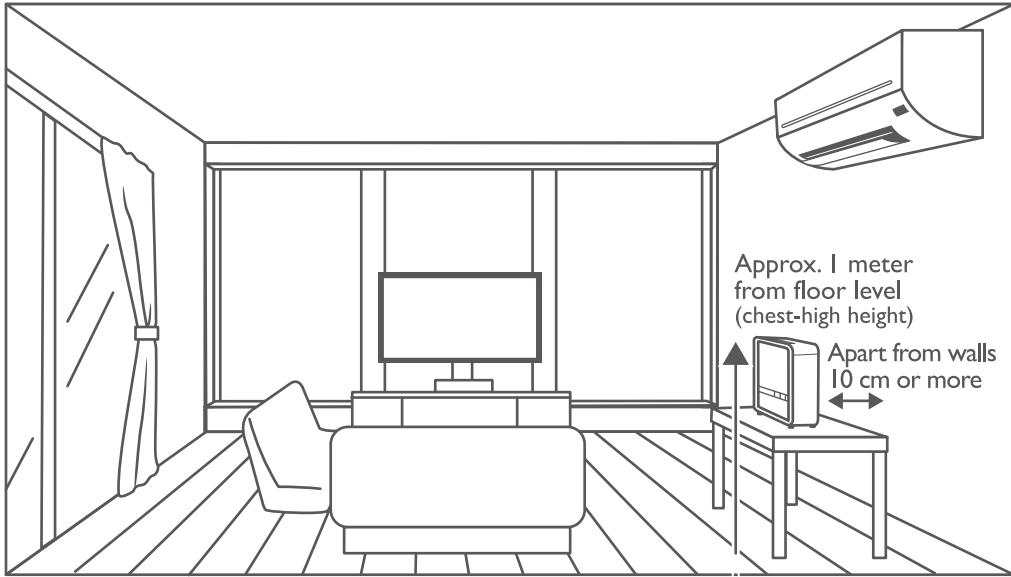
**Pull out the AC adapter from a wall socket with the adapter held in your hand. Unplug the appliance during filling, cleaning and maintenance.**



**Check out a power-supply socket and a plug from time to time.**

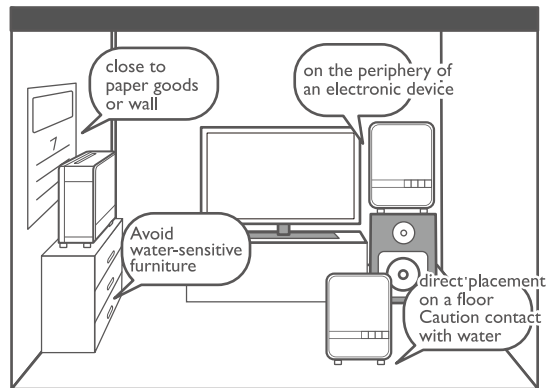
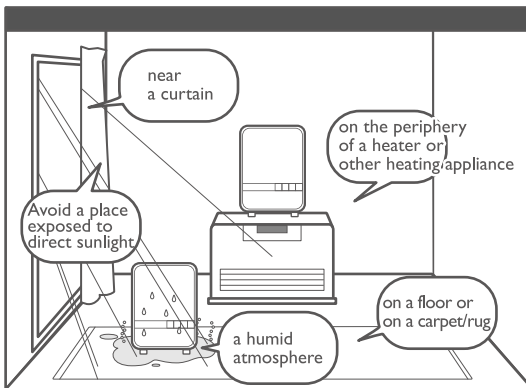
# Installation place

## Installation condition recommended



★ This product could be more effective, if the mist is spread farther by a circulator or air conditioners.

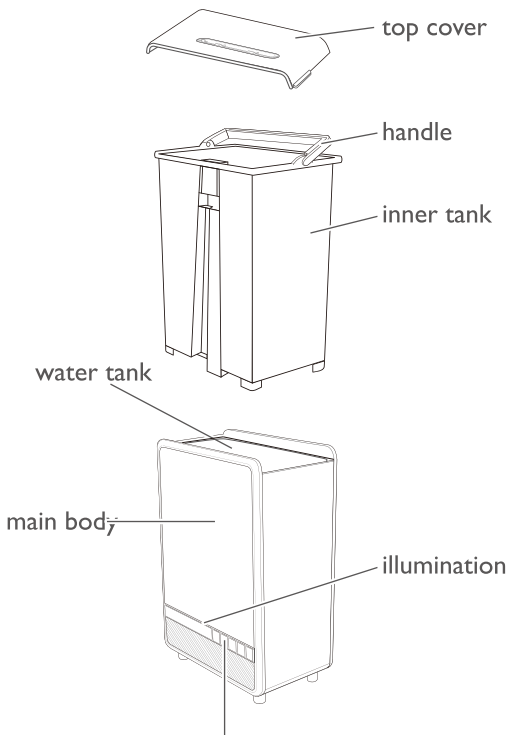
## Do not use this product in following places.



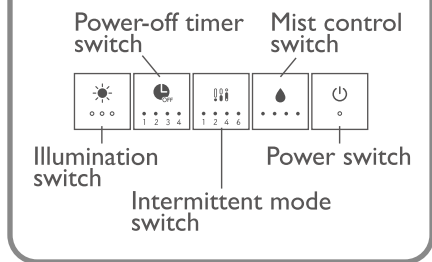
When the large amount of mist is generated and sprayed, the floor may get wet.

**⚠ CAUTION:** Our company shall not be liable for any damages on household contents that arise from the failure of this product or use of this product, which please note before you use this product.

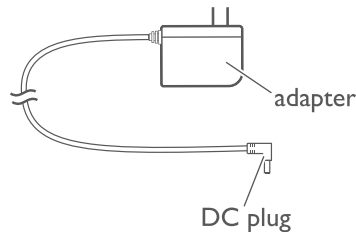
# Name of Each Part



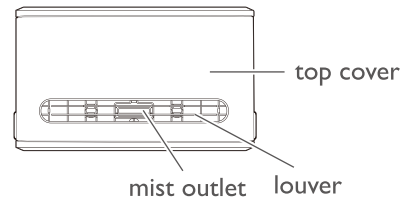
## Operation Panel



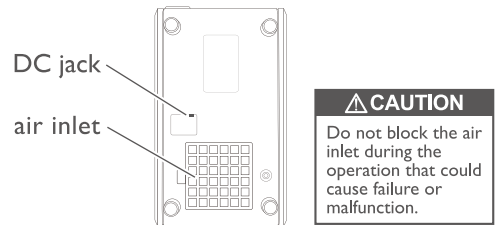
## AC adapter



## upper parts



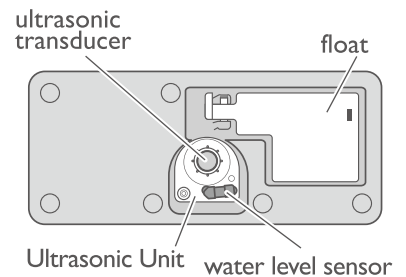
## bottom surface



### CAUTION

Do not block the air inlet during the operation that could cause failure or malfunction.

## bottom of the water tank



## expendable

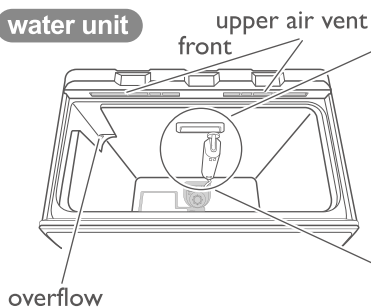
### Ultrasonic Unit **ACPS 3.0**

The relative amount of mist generated by Ultrasonic Unit (ultrasonic transducer) will gradually decrease according to the length of use, when it decreases to less than half of the initial amount, the Unit should be replaced by new one.

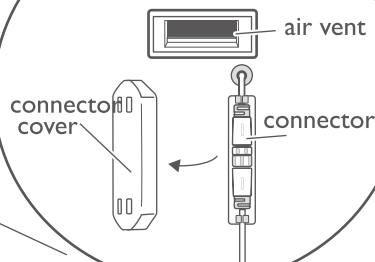
To maintain the maximum performance of this Atomizer, periodical replacement of Ultrasonic Unit (ultrasonic transducer) is recommended.

\*Regarding how to replace, refer to the instruction manual for each part.

## water unit



## connector in water unit



### CAUTION

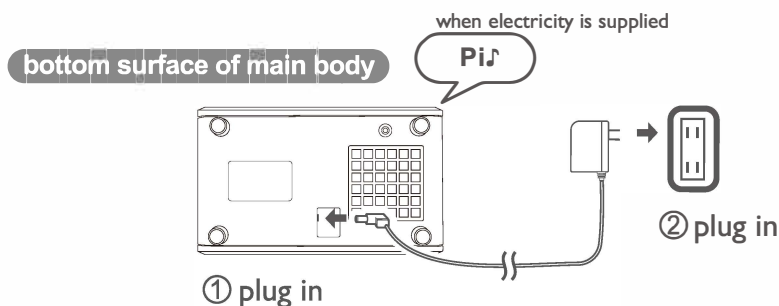
Never pour water into the air vent or overflow. It could cause water leakage.

### CAUTION

Do not remove the connector. It may cause electric shock and/or malfunction.

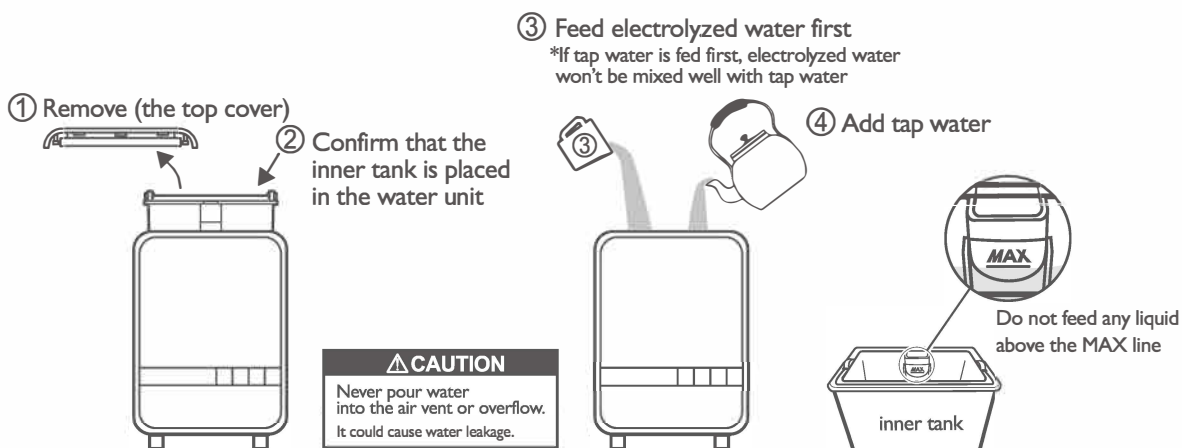
# Preparing for Use

## 1 Connect to power supply via AC adapter

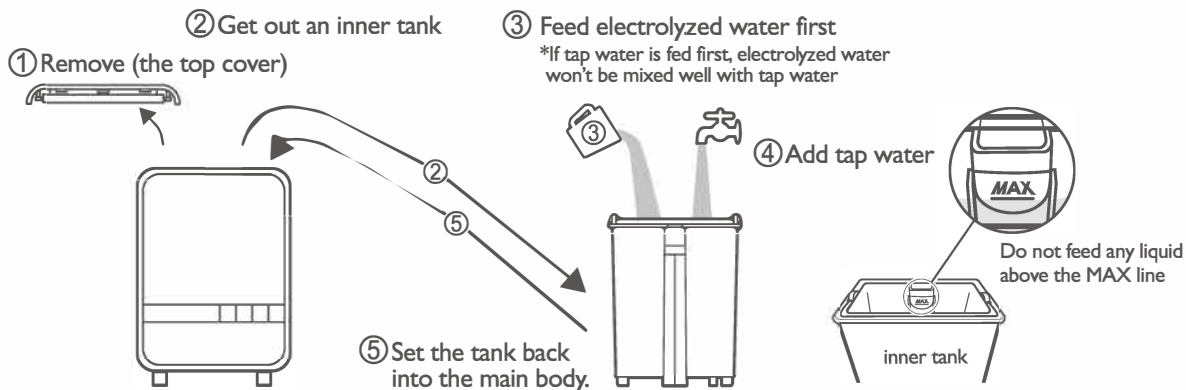


## 2 How to feed water

### ● To Feed water when an inner tank is set in the main body.



### ● You may feed waters after dismantling the inner tank from the main body.



# About the Operation Panel



## Power switch

mist comes out



press the power switch

mist stops



press during the operation

## [long press] To set key lock mode

You can lock every switch on the operation panel not to operate if it is pressed.

Set key lock mode



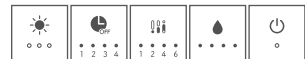
Keep long press until a sound is produced.

Cancel key lock mode



Keep long press until a sound is produced. (during key lock mode).

During key lock mode

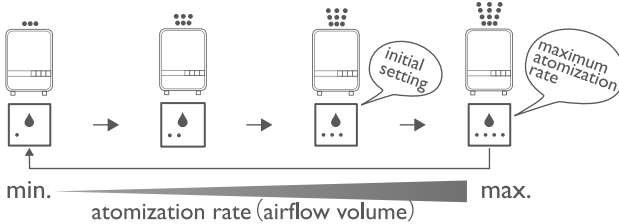


When pressing any switch during the key lock mode, a sound indicating key lock mode will be produced



## Mist control switch

The rate of mist amount can be changed.



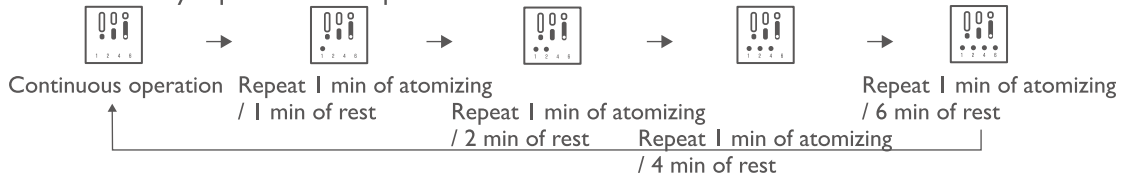
\*Regarding the liquid consumption in each setting, see P. 10.

\*Intensity of atomization and airflow volume are changed in an interlocked manner. If you feel a noise from the fan is too loud, please lower the atomization rate.



## Intermittent mode switch

You may opt for some modes in which on-and-off of atomizing are alternately repeated with a specific interval.

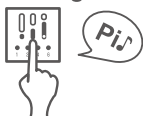


\*Regarding the liquid consumption in each mood, see P. 10.

## [long press] To change to speedy cleaning mode.

Regardless of the setting, it continuously atomizes for 15 minutes in maximum rate and then back to a previous setting.

speedy cleaning mode



Keep long press until a sound is produced.

To cancel speedy cleaning mode



Press either switch

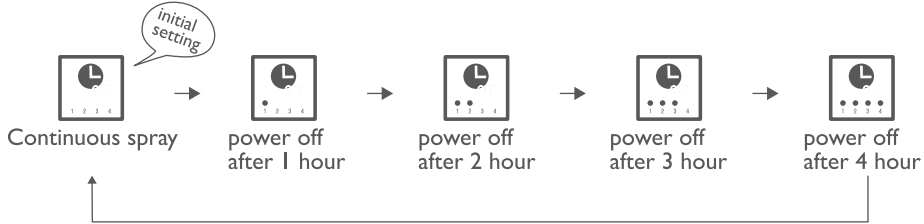
\*Both illumination and intermittent mode switches will blink.

# About the Operation Panel



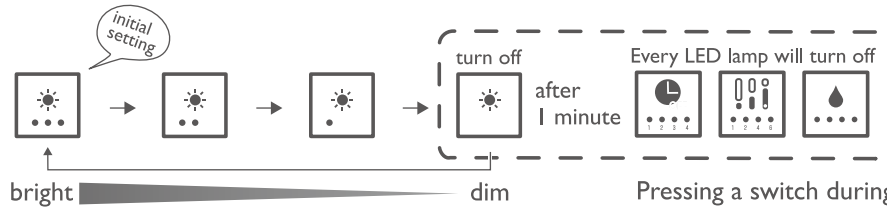
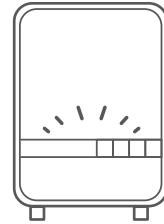
## Power-off timer switch

You can choose the setting in which the Atomizer will be power off after 1, 2, 3, or 4 hours.



## Illumination switch

You can change the brightness of the illumination on the front of main body.



Pressing a switch during the turn-off state makes such LED lamp light-on again.

The setting a switch for which is pressed during



# Maintenance and Storage

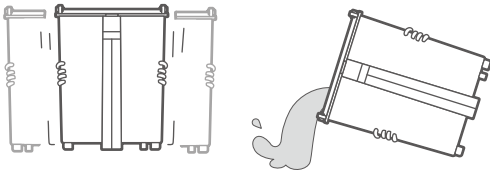
## WARNING

Be sure to pull out the AC adapter from a wall socket before maintenance. If you don't, electric shock may occur.

### ■ inner tank (at water feeding)

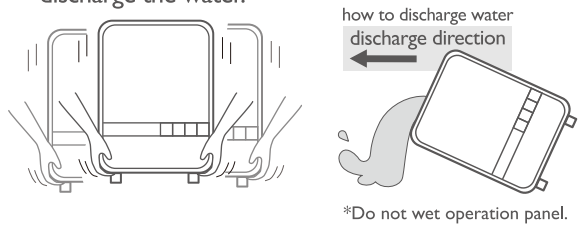
- Remove the top cover, dismount the inner tank. Pour a small amount of tap water into the tank and wash well by shaking, then discharge the water.

\*repeat 2 to 3 times.



### ■ main body (at water feeding)

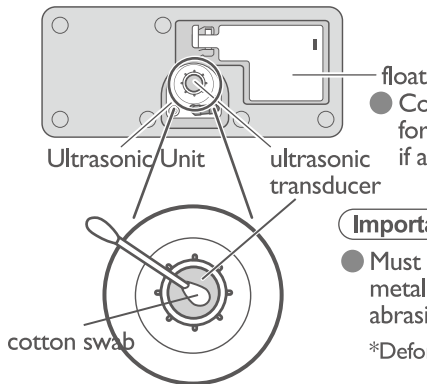
- Wash inner surface of water unit by shaking the body with remaining water, and then discharge the water.



\*Do not wet operation panel.

### ■ Ultrasonic Unit

- Dirt and dust on the transducer should be wiped out using a cotton swab



- Confirm whether the float can move up and down normally, foreign substances do not exist around the float, if any, then remove such foreign substances.

#### Important

- Must not rub the surface of the transducer with a scrub brush containing metal-particle abrasive (including a metal brush and a spatula), or by using polishing powder.

\*Deformation or damage could impair atomization or cause some failure.

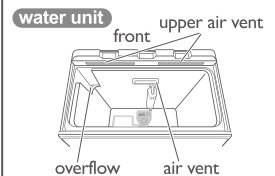
### CAUTION

- Be sure to discharge water toward a specified direction.

If you discharge water toward wrong direction, that may cause wetting the body, fire, electric shock, and short circuit.

### CAUTION

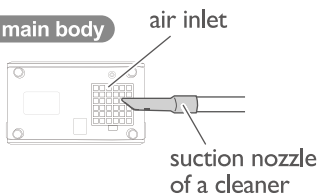
Never pour water into the air vent or overflow. It could cause water leakage.



### ■ Maintenance of air inlet (≥2 times/month)

- Vacuum dust from the air inlet by applying a suction nozzle of a cleaner

bottom surface of main body      air inlet

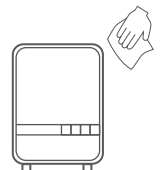


#### Important

- ★ If dust has accumulated on the air inlet, parts within the main body could be heated, which may lead to failure or malfunction. Remove any dust frequently.

### ■ Outside of the main body

- Wipe off dirt and dust by using a soft cloth wetted with water.



### CAUTION

- Whole washing of the main body should be avoided. It may cause electric shock or malfunction.
- Do not use thinner, benzene, benzol, polishing cleanser, scrubbing brush or the like. Change of feature and/or color may occur.



## Power cannot be on.

### ● Is an AC adapter firmly connected with the main body and a wall socket?

Do you hear a “pi” sound from the main body when an AC adapter is plugged into a wall socket? If no, the AC adapter may not be correctly connected. Please, reconfirm the connection state. (→P4 Connect to power supply via AC adapter)

## Cannot power off / Cannot operate with a switch

### ● Key lock mode has been set or not?

During key lock mode, power off or switch operation cannot be done. Cancel the key lock mode. (→P5 Cancel key lock mode)

## No mist comes out

### ● A display suggesting water feeding is present or not?



If the LED lamp of mist control switch is “blinking”, no water exists in the inner tank. Feed water into the inner tank. (→P4 how to feed water)

### ● A display showing boil-dry protection is present or not?



If the LED lamp of mist control switch repeats “2-times blinking”, anti-boil-dry function is activated. Feed water into the inner tank. (→P4 how to feed water)

### ● During an intermittent mode or not?

Confirm whether the setting is an intermittent mode (→P5 Intermittent mode switch)

### ● Water level in the water unit may be higher than proper level.

Dismount the inner tank and discharge liquid that exists in the water unit. (→P7 Maintenance and Storage)  
Set the inner tank and feed water again. (→P4 how to feed water)

#### CAUTION

Before you discharge water, be sure to pull out an AC adapter from a wall socket.

### ● The ultrasonic transducer may reach the end of its lifetime.



If the LED lamp of off-timer switch is “blinking”, it shows that now is the time for replacement of the transducer. Before the replacement, read thoroughly the Ultrasonic Transducer Instruction Manual. (→P9 List of Alarm Display「time of transducer replacement」)

## Lifetime of an ultrasonic transducer

Ultrasonic units (including ultrasonic transducer) are consumables. The amount of mist generated from the Atomizer gradually decreases along with the length of use, it will become less than half of initial value at the replacement time. Periodical replacement of the ultrasonic unit (ultrasonic transducer) is recommended to maintain maximum performance of this Atomizer.

# Troubleshooting

## water leakage

**If water leakage occurs, stop using and make contact with our company.**

To prevent water leakage, pay attention to following matters during the use of this product.

● **Feeding water directly into the water unit without an inner tank, or not?**

Liquid could invade through air vents and overflow, which may cause water leakage.

● **Discharging water toward wrong direction, or not?**

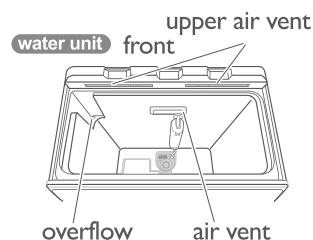
If the water is discharged to undesignated direction, which may cause water leakage.

● **Tipping or tilting the main body, or not?**

Liquid could invade through an air vent and upper air vents, which may cause water leakage.

● **Moving the main body while some liquid remains in it, or not?**




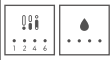

Liquid could invade through upper air vents, which may cause water leakage and/or malfunction.  
(→P7 Maintenance and Storage)



**CAUTION**

Never pour water into the air vent or overflow. It could cause water leakage.z

**List of Alarm Display** \*Check alarm display in the condition that an inner tank and a top cover are set to the main body.

Buzzer sound	Illumination	Mist	LED	Status	Release
3 times	blinking → turns off after 1 min	stops	 blinking	water feeding needed (there is no water in the tank)	Feed liquid into the inner tank. buzzer sound 2 times
3 times	blinking → turns off after 1 min	stops	 2-time blinking	boil-dry protection (anti-boil-dry function is activated)	→ blinking of mist control LED turns off → mist starts again
3 times	blinking → turns off after 1 min	stops	 blinking	top cover removed	Set the top cover → mist starts again
3 times	blinking → turns off after 2 min	stops	 blinking	inner tank dismantled	Fit in the inner tank and set top cover → mist starts again
none	none	comes	 blinking	time of transducer replacement	Replace the transducer. After the replacement, setting can be reset by simultaneously press the illumination switch and the intermittent operation switch.

If a trouble is not solved, often appears, or other defect occurs, there is a possibility of failure or malfunction. Please, make contact with our company.




# Specifications

MODEL : ULTRASONIC ATOMIZER UX4			
Atomizer unit	ACSP3.0 1台	Allowable ambient temperature	5-37 °C (without freezing or dew condensation)
Transducer drive frequency	1.7MHz ±0.05MHz	Allowable ambient humidity	80% RH or lower (without freezing or dew condensation)
Chemical-resistant processing onto transducer	Chlorine-resistant special glass coating	Rated voltage	DC24V 1.0A
Spraying capacity	Max. ≤450ml/h (at 25°C of water/environment temperatures) [before use]	Allowable voltage range	*Must use the AC adapter that comes with this Atomizer.
Applicable floor area*1	approx. 60 m <sup>2</sup> (may vary according to the use condition)		90 - 110% of the rated voltage
Installation style	Stationary type	Weight	No water: ≒ 3.7kg / Full water tank: ≒ 7.7kg
Mist outlet	Louver model vertically 45 degree movable to front (mist comes from central part)	Dimensions	259(W)*380(H)*155 (D) mm
How to supply water	Top fill style (inner tank model)	AC adapter	100-240 V, 42 VA, 50/60 Hz, 1.9 m
Applicable solution	usable liquid specified by SEIKO GIKEN INC. Electrolyzed water (HClO: ≤80ppm/ pH5.5-7.5)	Other functions	Intermittent mode/Speed Clean feature/ Power-off timer/No-water operation prevention/ Illumination/key lock mode
feeding water temperature	5-30 °C		

\*1: Applicable floor area means that deodorizing ingredients can reach throughout the area.

\*These specifications may be modified without prior notice for upgrading the product.

## ■ Solution consumption per hour for each setup

Intermittent mode Spraying capacity	Continuous operation	ON:1min./OFF:1min.	ON:1min./OFF:2min.	ON:1min./OFF:4min.	ON:1min./OFF:6min.
	 1 2 4 6	 1 2 4 6	 1 2 4 6	 1 2 4 6	 1 2 4 6
	350-450ml	175-225ml	116-150ml	70-90ml	50-64ml
	250-350ml	125-175ml	83-116ml	50-70ml	35-50ml
	150-250ml	75-125ml	50-83ml	30-50ml	21-35ml
	50-150ml	25-75ml	16-50ml	10-30ml	7-21ml

\* The values for the solution consumption as described above are rough estimates. They may drastically change according to the environment (for example, room temperature, humidity, water temperature, water quality, room environment, power voltage, individual variability of the unit, and multiple conditions).

\* The air flow volume changes along with the amount of mist generated.

## Contact us by phone

Manufacturer



Manufacturing and selling environmental and industrial control equipment

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