Ultrasonic Atomizer

Releasing a mist of disinfecting and deodorizing solution into the air
The direct attack system allowing the mist to efficiently disinfect
and deodorize the air of a room

Suitable for children’s rooms
and bedrooms with easy operation!
With moisture-rich, clean air,
your family can be comfortable
during both play and sleep.

Compact model perfect for personal space

JPs series - 106/107/108

Disinfect and deodorize the air of your whole house!

For a play or study room
for kids

Perfect in your bedroom
or private room

Sanitation in the toilet
at home

With your animal
companion at home

For the smell
of cigarettes

Fighting against viruses
and pollen

Widely used in various businesses

Available for various applications and facilities, including offices, medical institutions, health care facilities for the elderly, schools, private prep schools, nursery schools, restaurants and bars, hotels, pet shops and commercial breeders, barbers and hair salons, fitness clubs, aesthetic salons, onsen hot-spring facilities, public baths, pachinko parlors, karaoke bars and restaurants, amusement facilities, garbage collection sites, smoking spaces, bathrooms, flower growing businesses, food processing factories, manufacturing plants, and experiment facilities.
Adopting the ultrasonic system to prevent corrosion

Each part used is resistant to chlorine, including the ultrasonic transducer, the key component which generates mist. The high durability makes it possible the unit to be safely used for a long period of time.

The ultrasonic transducer is expendable

The initial amount of mist generated by the transducer gradually reduces to less than half when replacement is necessary (approximately 3,000 to 5,000 hours of use). A regular replacement of the transducer is recommended to keep the performance of the system at its best.

*The part is not allowed to be replaced by customers. Please contact your dealer for a charged replacement.*

Applicable floor area: approximately 25m²

Only one unit can cover the room of up to approximately 25m². This model is very compact, perfectly fit to a bedroom or kid’s room. It is appropriate for a private use along with a small scale of shop, office, and other facilities.

(The area depends on the conditions of the space where the unit is used.)

Adopting the ultrasonic atomization system without heat

With the supersonic spraying system, mist is immediately generated as soon as the power is on, efficiently emitting hypochlorous acid water to disinfect and deodorize the air of your room. The mist emitted is not hot so that anyone can handle it safely. You need not to worry about burns, even if a toddler or an elderly person accidentally touches it.

Touch panel system

The operation panel with a touch panel system allows you to easily switch operations only by touching icons. The flat panel has no irregularities, so it is very easy to maintain.

Solution tank with a scale

The solution tank has a scale to measure liquid so that the disinfectant and deodorant solution can be easily diluted.

(*A measuring cup is required for precise measurements.*)

Electricity and solution saving function

(Intermittent Mode / Spray Capacity)

Solution concentration allowed for use

[ppm] ≤80ppm

(pH) 5.5 - 7.5

Important information on the use

The concentration of the solution must be within the level described to the right.

How to best use this unit

- Only hypochlorous acid water can be used with the system. In the case that any other solution, including water, is used, SEIKO GIKEN INC. shall not bear any responsibility for any damage caused by doing so. In the case that old, contaminated, or any other solution is mixed, or that solution is diluted at an incorrect ratio, dangerous bacteria and such might be diffused, which SEIKO GIKEN INC. shall not take any responsibility for. Among such dangers, strict measures should be taken against; Legionella bacteria. This unit shall not be used as a humidifier with tap water.
- The applicable file area described in this booklet is for reference purposes only. The figure may get much bigger or smaller depending on the conditions of the room. Please contact your dealer before purchasing the unit.
- The ultrasonic transducer is expendable. It is durable for approximately 3,000 to 5,000 hours of use, but the lifespan may drastically shorten due to the environment.
- Hypochlorous acid water to be used shall be 80ppm or less of residual chlorine concentration. Spraying hypochlorous acid water higher than this concentration, or undiluted, will lead to damaging the unit. Hypochlorous acid water is not sodium hypochlorite diluted with water. Even if diluted, sodium hypochlorite is not allowed to be used using it may lead to damaging the unit and/or the human body.
- When hypochlorous acid water with tap water is used for a long time, water residue (impurities in tap water) might be spread in the room depending on your local water system. In any environment where you must avoid this phenomenon, such as a clean room, it is required to atomize hypochlorous acid water diluted with water filtered, or generated by a reverse osmosis (RO) system or others. When tap water is rich in calcium, white residue tends to be more visible. Operating the empty atomizer with no water left in the tank causes immediate breakage. Touching the float switch located in the solution tank when the unit is powered on is strictly prohibited.
- The unit is not shockproof, or documentary in advance is required when you want to use the unit for special purposes. Some specifications of the unit may change without prior notification due to product improvement. The color may be different from the one printed in the booklet due to printing conditions. The price of the unit does not include consumption tax and costs such as delivery, installation, incidental work, and collection of a used unit.
- You may need multiple units to be installed according to the capacity and conditions of your space, please contact your dealer prior to purchase. The unit is manufactured in China.

Safety information

- Please read the user manual carefully before using the unit so that you can use it safely and correctly.
- Please do not place the unit in an environment where water, humidity, dust, oily smoke or other nuisances are obvious, they may cause troubles including fire, damage and electrical shock.

Specifications

<table>
<thead>
<tr>
<th>Product name</th>
<th>Ultrasonic Atomizer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>JP-106/107/108</td>
</tr>
<tr>
<td>Atomizer unit</td>
<td>ACP520×1</td>
</tr>
<tr>
<td>Ultrasonic transducer drive frequency</td>
<td>1.0MHz ±50kHz</td>
</tr>
<tr>
<td>Treatment for Ultrasonic transducer chemical resistance</td>
<td>Special chlorine-resistant glass coating</td>
</tr>
<tr>
<td>Spraying capacity</td>
<td>≤3L/min (at 25°C and 1013hPa)</td>
</tr>
<tr>
<td>Applicable floor area</td>
<td>≤25m²</td>
</tr>
<tr>
<td>Operating noise</td>
<td>≤35dB</td>
</tr>
<tr>
<td>Installation style</td>
<td>Stationary type</td>
</tr>
<tr>
<td>Mist outlet</td>
<td>Horizontal and omnidirectional type</td>
</tr>
<tr>
<td>How to supply water</td>
<td>Using a tank or tank capacity: 45L (in tank operation prevention function)</td>
</tr>
<tr>
<td>Water temperature</td>
<td>0 - 55°C (without freeze and/or condensation)</td>
</tr>
<tr>
<td>Available water temperature</td>
<td>5 - 35°C</td>
</tr>
<tr>
<td>Available water range</td>
<td>90 - 110% of the rated voltage</td>
</tr>
<tr>
<td>Rated voltage</td>
<td>AC100-240V (50Hz/60Hz)</td>
</tr>
<tr>
<td>Power consumption</td>
<td>25W</td>
</tr>
<tr>
<td>Weight</td>
<td>≤4kg / ≤6kg (full water tank: ≤8kg)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>215mm(W) x 280mm(D) x 175mm(H) (D)</td>
</tr>
<tr>
<td>Power cable</td>
<td>1.9m/2.5mm² cable</td>
</tr>
</tbody>
</table>

Other functions

No-water operation prevention

Intermittent spray (1/8Hr)/Blue LED

Electricity and solution saving function

The unit has two useful functions to save the solution.

- Spray capacity:........ Spray capacity can be changed at three levels
  - Small
  - Medium
  - Large
  - Intermittent mode:........ Start and stop operations when you need
  - ON: 1hr / OFF: 4hrs
  - ON: 1hr / OFF: 8hrs

- The disinfecting and deodorizing effects of hypochlorous acid water stays in your room even after the mist disappears. Additional spraying with a small amount of this unit makes it possible to better maintain the disinfecting and deodorizing effects. This system allows you to reduce the cost of operation and work of sanitizing the space.

Solution consumption per hour for each setup

<table>
<thead>
<tr>
<th>Solution consumption per hour for each setup</th>
<th>Continuous spray</th>
<th>ON: 1hr / OFF: 4hrs</th>
<th>ON: 1hr / OFF: 8hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small</td>
<td>100 - 200mL</td>
<td>20 - 40mL</td>
<td>14 - 28mL</td>
</tr>
<tr>
<td>Medium</td>
<td>200 - 300mL</td>
<td>40 - 60mL</td>
<td>28 - 42mL</td>
</tr>
<tr>
<td>Large</td>
<td>300 - 500mL</td>
<td>60 - 70mL</td>
<td>42 - 50mL</td>
</tr>
</tbody>
</table>

Manufacturer

SEIKO GIKEN INC.
Yanagihara, Nagano City, Nagano Prefecture 381-0012
https://www.seiko-jpn.com