**Ozone: Disinfection & Safety**

21% of the air we breathe is oxygen. One molecule of ozone is made up of 3 oxygen atoms.

### Specification

**eZ-2000/2000D Specifications**

- **Power voltage**: AC100-240V (50/60Hz)
- **Power consumption**: 90W (2000D/110W)
- **Dimensions**: W520 × D220 × H11010 (mm)
- **Weight**: 33 kg (2000D/34kg)

### Ozone Generating Capacity

- **Intake mode (swirl)**: 150 mg / hr
- **Fumigation mode**: 700 mg / hr
- **Negative Ion Generating Capacity**: More than one million pcs / cc

### Air Flow Volume / Intake Mode

<table>
<thead>
<tr>
<th>Mode</th>
<th>Flow Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quiet mode</td>
<td>1.5L / min</td>
</tr>
<tr>
<td>Standard mode</td>
<td>3.5L / min</td>
</tr>
<tr>
<td>Swift mode</td>
<td>5.0L / min</td>
</tr>
<tr>
<td>Auto</td>
<td>1.5-5.0L / min</td>
</tr>
</tbody>
</table>

### Operating Time / Fumigation Mode

- 3 min = 15 min ozone generation + 20 min decomposition
- 2 hours = 1 hour ozone generation + 1 hour decomposition
- 4 hours = 2 hour ozone generation + 2 hour decomposition
- 8 hours = 5 hour ozone generation + 3 hour decomposition

### Operating Environment

- 5-35℃
- Less than 85% RH

### Suitable floor space

- Inlet rate 19%: Up to 85% in 8 hours

### Option

**Negative-pressure Isolation Tent**

- **Size**: W2450 × D1650 × H1800 (mm)
- **Frequency for air circulation**: Quiet mode: more than 12 times / Standard mode: more than 20 times
- **Negative-pressure of isolation tent**: More than 2.59Pa

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**Air Disinfector**

**eZ-2000/2000D**

Including HEPA antiviral filter

**Advanced Infection Control**

IHI Ozone technology kills germs and improves the air you breathe.

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**IHI Shibaura Machinery Corporation**

**Tokyo Office**

BTGS Shibuya Blvd. 2-19-1 Shibuya, Shibuya-ku, Tokyo 152-8902, Japan

TEL: +81-3-5312-8864  FAX: +81-3-5312-8868

**Okayama Factory**

170-6 Sadasaichi, Higashi-ku, Okayama-shi, Okayama 704-8122, Japan

TEL: +81-86-944-9839  FAX: +81-86-942-9030

URL: http://www.ihi-shibaura.com/english/product/ozone/
1. Preventing airborne infections
   For occupied rooms

   Air intake mode

   Virus particles are carried in moisture and form small particles (under 5 microns) which can remain present in the air for hours. Inhalation of these particles can lead to infection.

   Using ozone gas and the HEPA filter, we can remove these viruses from the air.

   Room cleaning features
   - All ozone generated by the machine is broken down into oxygen before leaving the machine, ensuring no ozone can escape during this mode.
   - An internal dust sensor displays the air quality around the machine at a glance, allowing the air to be purified according to its condition.
   - Pollen and house dust are removed.
   - Millions of negative ions are generated, creating a more comfortable environment.

2. Killing germs on surfaces
   For unoccupied rooms

   Ozone fumigation mode

   Viruses and bacteria can linger on many surfaces (desk, telephones, pens, handles, etc.)

   By emitting ozone into the room, viruses and bacteria can be removed from surfaces.

   Effective surface disinfection
   - The virus and bacteria particles and proteins are destroyed and removed by ozone.
   - After fumigation is complete, the ozone automatically breaks down into harmless oxygen, leaving no residue behind.

3. Option
   Negative-pressure isolation tent

   For patients requiring isolation, this negative-pressure isolation tent can be quickly and easily assembled.

   Test result: 99.9% of viruses and bacteria deactivated

   Conducted by Japan Food Research Laboratories

   Effect of ozone on viruses after fumigation

   Residual ratio of viruses

   Virus cultivation in the laboratory

   Test conditions: Temperature 23-29°C, humidity 65%
   Conducted by Kitasato Research Center for Environmental Science