Thank you for purchasing the Piezonizer AGZIII. As to the use of this product, you must have sufficient considerations before using this manual carefully because it deals with alternating currents with high voltage of 250V, although the product is not stipulated as high-voltage equipment in the electric equipment standard. Please make sure to store this manual so that it can be referred to in the future.

1. Outline
This product is an air gun type ionizer. It is possible to hold with your hand and to use it freely.

2. Specifications

   4. Wiring and piping
   
   **Warning**
   Be sure to turn OFF the power and air before installing, wiring, or piping the product.
   
   **Caution**
   - For installation or using of this product, pay attention to the contamination by oil/water, high temperatures or high humidity. Especially, avoid a place subject to dew condensation.
   - If the air includes water and oil, inside of the main unit or the nozzle gets dirty, the ability to remove electricity is lowered, or causing deterioration of the main unit.

3. Static Removing Characteristics

4. Wiring and piping

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   - If the air includes water and oil, inside of the main unit or the nozzle gets dirty, the ability to remove electricity is lowered, or causing deterioration of the main unit.

5. Operation

   **Warning**
   Do not operate the main unit while turning the nozzle to the person, especially to the face or in the eyes of a person. This may cause serious injury to the person.

6. Maintenance

   **Warning**
   - Before care and maintenance of the product, make sure to turn OFF the power and air. Otherwise accidents or problems may occur.
   - The high-voltage discharge needle is sharp; be careful not to touch the discharge needle.
   
   **Caution**
   - If the product was splashed with water, oil, or paint, wipe it out with soot or cloth. Especially, when it stuck to the discharge needle and the nozzle inside, wipe it off immediately.
   - Contamination of the discharge needle will deteriorate the static removal effect. If deterioration of the static elimination effect is observed, remove the nozzle from the main unit, clean the discharge needle and its surrounding area.
   - Clean the discharge needle regularly about once two weeks, otherwise optimum charge removal performance may not be obtained and operating problems may occur.

7. Troubleshooting

   **Caution**
   - Clean the nozzle to confirm that it is not touching any grounded source.

8. Cautions

   **Caution**
   - Do not disassemble or remodel the product.

   **Warning**
   - Do not use this product for any purpose other than charge removal.
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**List of Specifications**

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**Model No.** AGZIII
- **Discharge Method**: High frequency AC (cross the discharge method)
- **Primary supply voltage**: 220V ±10% (200 - 240V), 50/60Hz (±5%)
- **Voltage**: 24 ±10% of rated voltage
- **Capacity**: 0.5W
- **High voltage input**: AC 5000Vrms, (Off) (50/60Hz)
- **Air consumption**: 0.15m3/min
- **Air pressure range**: 0.2 ~ 0.8 MPa
- **Current consumption**
  - 220V: 0.015A
  - 110V: 0.019A
- **Material**: Main body: PBT, nozzle: PPS
- **Accessories**: Instruction manual, AC adapter

**3. Static Removing Characteristics**

   **Caution**
   - Do not disassemble or remodel the product.

**4. Wiring and piping**

   **Caution**
   - For installation or using of this product, pay attention to the contamination by oil/water, high temperatures or high humidity. Especially, avoid a place subject to dew condensation.

**5. Operation**

   **Warning**
   Do not operate the main unit while turning the nozzle to the person, especially to the face or in the eyes of a person. This may cause serious injury to the person.

**6. Maintenance**

   **Warning**
   - Before care and maintenance of the product, make sure to turn OFF the power and air. Otherwise accidents or problems may occur.
   - The high-voltage discharge needle is sharp; be careful not to touch the discharge needle.

**Caution**

- When dirt accumulates in the inside of the nozzle, clean it, and remove dirt.
- The discharge needle is consumable part. It is necessary to change the discharge needle when you use this product for a long term. If operational time is over 20,000 hours, change the discharge needle.

**Heating Method**

- For this reason, the nozzle has to be removed from the main unit. Clean the discharge nozzle inside the main unit and the surrounding area by using a cotton swab soaked with alcohol (IPA). Contamination of the tip of the discharge needle will be easily affected by this method, so the nozzle is recommended. After cleaning the nozzle, restore the nozzle to the original condition and confirm that it is securely attached.

**Replacement of the discharge needle**

- The discharge nozzle is a consumable part that needs to be replaced in time. When replacing the discharge nozzle (Spare: DIAZIII), be sure to use the dedicated tool in combination with a torque driver. Set the tightening torque to 15 ~ 20N·cm. Tightening with incorrect torque may damage the screw on the main unit.

**Letter of Guarantee**

- This product has passed the inspection carried out by our company. This product will be subject to repair or replacement, free of charge, of any fault or broken part. If a failure or a breakage should occur during the guarantee period under the condition of misuse, basically within the service life of our company.

- 2. The Period of Guarantee: One (1) year starting from the date of delivery.

- Any repairs or replacement for any failure or breakage caused by the customer himself/herself, or any failure or breakage caused by other person other than our company, is not covered by the terms of guarantee provided by our company.

- (1) Failure or breakage caused by damaged goods or storage under the normal condition.

- (2) Failure or breakage caused by an unnoticed or natural disaster such as fire, earthquake, or an act of God.

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