

Rechargeable battery-powered device for compressed air developed  
for the removal of surface electrostatic charges

## ZEROSTATIC INSTRUCTION MANUAL

Thank you for purchasing our product. Before using this product, please read these instructions carefully.

### SAFETY WARNINGS

If handled improperly, there is a risk of accidents and injuries.

The presumed risk and degree of damage in the event of improper use are grouped and displayed in the following three phases.



**DANGER**

When generation of danger which will cause death or serious injury to the user if handled improperly is assumed.



**WARNING**

When the possibility of death or serious injury to the user if handled improperly is assumed.



**CAUTION**

When the possibility of light injury to the user or when generation of physical damage only when handled improperly is assumed.



**DANGER**

- Use in places where paint or thinner mist or flammable gases are present is prohibited (there is a risk of overheating which could cause a fire and explosion).
- It is strictly forbidden to forget to turn off the device (always move the switch to the "OFF" position after each use).
- The device must always be switched on (switch position "ON") in the spray booth during and immediately after painting (there is a risk of fire and explosion).



**WARNING**

- Do not cover the charger and body with a rag, cloth, etc. during charging (risk of overheating and fire).
- Always use only the charger provided.  
(risk of battery overheating and fire).  
(risk of accidents and damage to the battery).



**CAUTION**

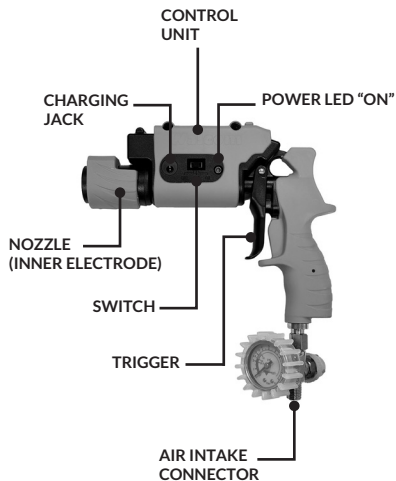
- Never open the control unit cover except to replace the battery (there is a risk of electric shock due to the high internal voltage).
- Do not use, store or leave at temperatures equal to or above 60°C (140°F) (risk of fire and explosion).

It is strictly forbidden to introduce water or oil into the air line.

(If the compressed air contains water or oil, since the electrodes will not discharge or the discharge will be short-circuited, the air ionization effect will be lost or reduced by half: equip yourself with oil/water filters and preferably with systems that also reduce the humidity of the compressed air).

## COMPONENTS

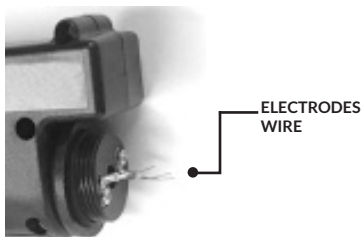
### BODY



### CHARGER



### ELECTRODE (INNER NOZZLE)



## INSTRUCTIONS FOR USE

### BEFORE USE

1. Be sure to charge the battery before use (see BATTERY and CHARGING section).
2. Screw the pressure regulator onto the air inlet fitting ( $\frac{1}{4}$ "G fitting).
3. Screw the pressure regulator handwheel clockwise to limit the input pressure. High input pressure may impair the pneumatic functionality of the gun.
4. Always use compressed air free from water and oil, preferably also free from humidity.
5. Connect ZERO STATIC to the air line (use antistatic hose).
6. For best functionality, set the pressure regulator to a pressure of approximately 1.5 bar (21.7 psi).

### STATIC ELECTRICITY REMOVAL

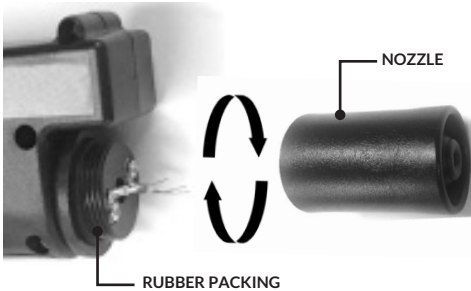
1. When the switch is set to "ON", the power LED lights up and an ionizing field is generated between the electrodes that are inside the nozzle head.
2. By pulling the lever, compressed air comes out of the nozzle in ionized form.
3. To reduce surface static electricity, direct the ionized jet onto the surface to be treated, possibly at a reduced speed and with an overlap between one pass and the next of no less than 50%.
4. It is advisable to proceed with painting immediately after the treatment has been carried out, so as not to reduce the effects of the treatment with ZERO STATIC.

<Usage Temperature Range> IN USE: 5°C to 3°C (41°F - 37.4°F) to 5°C (41°F)  
IN CHARGING: 5°C to 40°C ( 41°F -104°F)

**Do not charge in environments subject to Atex restrictions**

## CLEANING THE ELECTRODES

1. Dirty electrodes and moisture can significantly reduce the ionizing effect. In this case, remove the nozzle and clean the electrodes in the nozzle chamber.
2. Unscrew the nozzle from the body, so you can access the electrodes. Remove dirt by rubbing lightly with a cotton ball.  
**Do not deform the electrodes.**
3. For stubborn dirt, soak the swab in a small amount of alcohol.



### CAUTION

Be sure to turn off the main unit when removing the nozzle.

Be careful not to lose the rubber gasket when removing the nozzle.

Replace the rubber gasket if it deteriorates.

## PRECAUTIONS FOR USE

**Failure to follow the instructions may cause failure or deterioration of performance. Be sure to follow the instructions.**

1. Never connect the unit directly to high pressures, i.e. without the relative pressure regulator. Do not use ZERO STATIC directly connected to the high pressure line. In this case, high internal pressure may be applied to the resin parts, resulting in failure or damage. We will not be responsible for any accidents or failures resulting from such accidents. Please refrain from such accidents or failures.
2. Never use any charger other than the charger supplied with this device or provided by us exclusively for this device. Using a charger other than the dedicated one may cause damage to the battery and, depending on the situation, cause a fire.
3. After use, return the switch to the "OFF" position and store the device in a place where it is not exposed to heat.  
Do not leave ZERO STATIC inside the spray booth or near an infrared heater, jet heater or other heat generating sources, as the system may become damaged/deformed or create internal overheating resulting in a fire/explosion hazard. Also, pay due attention to the storage location after use and the charging location.
4. Be sure to check the switch position because charging only occurs when the slide switch is in the "CHG" position. During the charging process, no LEDs to indicate the progress and/or charge level will light up.
5. It is forbidden to use ZERO STATIC without nozzle. It is very dangerous and can cause electric shock.
6. Do not disassemble or remodel. We will not be responsible for any accidents or failures resulting from such actions (please note that opening the control box with tools etc. is equivalent to disassembly.)

## CHARGING AND BATTERY

The product is shipped with a factory-charged battery. However, it may discharge during the distribution phase, etc.

It is therefore recommended to fully charge the battery before using it for the first time.

It is best to always use ZERO STATIC after charging it. If you do not use it for a long time, charge the battery once every 3 months to prevent it from switching off or over-discharging.

It takes about 4 hours to fully charge (to avoid shortening the battery life, the charging time should not exceed 6 hours).

For safety and battery protection, it is recommended to use a commercially available timer (switches off after a set time interval).

It can be used continuously for about 6 hours when fully charged.

• If you use it for more than 6 hours, there is a high probability that the battery will over-discharge, significantly reducing its life.

• Continuous usage time is reduced with each use.

Replace the battery with a new one if the charge lasts for an extremely short period of time.

• Be sure to use the battery that is suitable for this unit. Do not use commercially available batteries, especially those with different voltages.

Depending on the situation, there is a risk not only of damaging the equipment, but also of causing a fire. The maximum number of battery recharges is approximately 500 cycles; it may be less depending on the conditions of use.

For storage, it is recommended to avoid high temperatures and humidity.

Cool and dry places are suitable. It is recommended to use this product all year round to avoid battery deactivation.

## EFFECTIVE METHOD OF USE

Usable for all air blowing applications, from sanding the filler to the final painting and after drying. It is recommended to adjust the pressure regulator supplied to a pressure of about 1.5 bar (21.7 psi).

The distance from the support is preferably between 15-20 cm (5.9-7.8 in), with small slow passes, with an overlap of about 50%.

### As an example

• Use on primer:

dust in the bumper grooves is cleanly removed to create a smooth surface.

• Use at the end of painting and after drying:

it prevents the adhesion of foreign bodies after painting and maintains the painted surface.

It is possible to achieve an almost total reduction of surface static electricity, i.e. improving the quality of the painting, not only during the pre-processing of the painting, but throughout the entire related process.



WALMEC S.p.A. SEDE PRODUTTIVA / PRODUCTION PLANT  
Via Trieste, 10 31025 S. Lucia di Piave (TV) Italy Tel. +39 0438 6611 / Fax +39 0438 661333  
e-mail: [walmec@walmec.com](mailto:walmec@walmec.com) Web: [www.walmec.com](http://www.walmec.com)  
SEDE LEGALE / REGISTERED OFFICE Via Carducci, 12 20123 Milano (MI) Italy  
SEDE PRODUTTIVA / PRODUCTION PLANT Viale della Vittoria 25054 Calcio (BG) Italy