

ECO-G02

ECO-G02 ionizing air gun is a kind of static-eliminating special device. It features simple operation, safe and steady working state, short static elimination time, etc.

SECTION 1: OPERATING THEORY

ECO-G02 ionizing air gun generates lots of positive and negative charges air masses and in the meantime make compressed air blow out quickly to neutralize charges on objects. When object surface is charged with negative charges, it can attract positive charges in radiate areas; when object surface is charged with positive charges, it can attract negative charges in radiate areas. Therefore, the static on object surface is neutralized and the purpose of eliminating static is reached.

SECTION 2: FEATURES

- Quick neutralizing static;
- Safe and steady working performance;
- Simple and convenient operation;
- This equipment possesses good grounding protection;
- Excellent ion balance control: $\leq \pm 15V$.

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SECTION 3: TECHNOLOGY PARAMETERS

- Working voltage: 5.6KV
- Consumed current: $\leq 300\mu A$
- Air flux: $>300CFM(5KgF/cm^2)$
- Operating temperature: $0^{\circ}C \sim 50^{\circ}C$
- Compressed air pressure: $3 \sim 5Kg/cm^2$
- Ozone content: 0.03PPM

SECTION 4: DATE CHART OF ION BALANCE TIME

Testing voltage	$\pm 1000V$ to $\pm 100V$	Test environment	Temperature $24^{\circ}C$ Humidity 55%
Test distance	150mm		
Item	Neutralization time	Ion balance	
Eliminate positive charge	0.8s	10V	
Eliminate negative charge	0.9s	10V	

- Static decay time measures up with ESD standard. Static decay time is tested on the testing voltage from $\pm 1000V \sim \pm 100V$
- Test instrument: ME268A static integrated instrument
- The testing data will vary with temperature and humidity of air around.

SECTION 5: SAFETY

- Please read the operating instructions completely before installation;
- Make sure this equipment has reliable grounding before operation;
- Do not use this equipment under inflammable gases and powder and dust environments;
- Keep the air gun dry, non-oil and clean;
- Do not refit or repair the air gun by yourself.

SECTION 6: INSTALLATION AND OPERATION

To use, ECO-G02 needs to be equipped with ECO-H03T high voltage generator at the same time. Please insert the connection wire end of air gun into output jack of high voltage generator and turn it clockwise to bottom; and then, connect grounding cord of air gun connection wire onto the grounding pillar and ensure good grounding is available. Insert power plug of high voltage generator into socket with grounding cord (pay attention to the use voltage of high voltage generator) and fix the air gun on the proper position and plug into compressed air pipe. At this time, turn on the power supply and the air gun can work normally.

Dust might build up on the ion needles around after air gun is used for a period of time, so our company suggests cleaning work should be done one time each week at least. Note: turn off the power when cleaning.

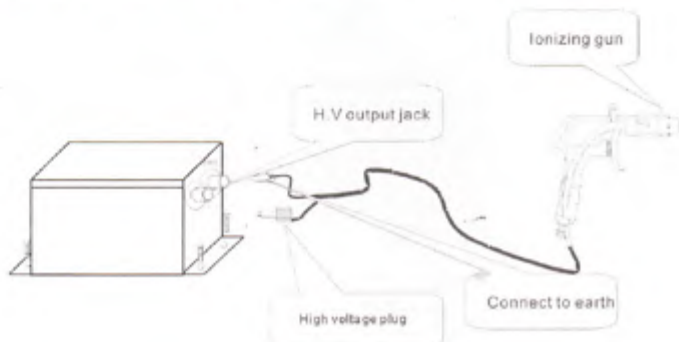
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■ Power supply installation



■ Air gun and high voltage generator installation



SECTION7: MAINTENANCE AND SERVICES

HORB tenet: high quality, good credit standing and customers paramount to all others. The following promises are available for ECO products:

1 Warranty period:

From the purchase day on, we offer one year warranty. In the warranty period, we will repair the products for free because of quality problems caused by product parts itself and material and craftwork. The warranty is not available, if the equipment is used abnormally.

2 Services available after warranty period

After warranty period, we will still take responsible for product repair with no manual working fee to protect customers' interests.