

NEW

High-frequency AC Method
Pulse Air-gun Ionizer

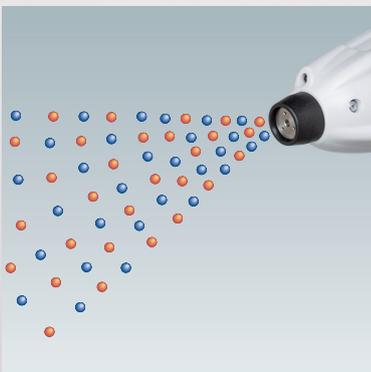
EC-G02

CE
Conforming to
EMC Directive



Possible to remove dust in a single burst using pulsed air!

Direct ionized air emission



Direct emission of ionized air removes electrification on charged object swiftly.

Pulse ionized air



Instant pulse air emission with high air pressure removes dust all at once.

White LED illumination



The white LED illuminates on the target object.

External input incorporated

External input allows the tool to be used in conjunction with other equipment such as a foot switch.

Oil-free compatible

All components on the air path (air outlet, solenoid valve, joint, etc.) are suitable for use in oil-free environments.

ORDER GUIDE

| Type | Charge removal time (±1,000 V → ±100 V) | Model No. |
|----------|--|---------------|
| Gun type | 0.5 sec. or less (Note 1) | EC-G02 |

Notes: 1) Typical value for pulse air mode: CONT at 100 mm **3.937 in** from the front of discharge nozzle at an applied air pressure of 0.50 MPa.

OPTIONS

| Designation | Model No. | Description |
|------------------|----------------|-------------------------|
| Discharge needle | EC-GANT | For replacement (1 pc.) |
| Solenoid valve | EC-GAV | For replacement (1 pc.) |

SPECIFICATIONS

| Item | Type Model No. | Gun type EC-G02 |
|-----------------------|-------------------|--|
| Charge removal time | | 0.5 sec. or less approx. (±1,000 V → ±100 V) (Note 2) |
| Applicable fluid | | Air (dried clean air) (Note 3) |
| Supplied air flow | | 300 l/min. (ANR) or less |
| Air pressure range | | 0.05 to 0.50 MPa |
| Supply voltage | | Accessory AC adapter INPUT: 100 to 240 V AC ±10 % 50/60 Hz (OUTPUT: 24 V DC) |
| Power consumption | | 30 VA or less |
| Discharge method | | High-frequency AC method |
| Pulse air mode | | Pulse 1 (long) / Pulse 2 (short) / CONT (continuous) selectable by switch |
| LED illumination mode | | ON (always ON) / SYNC (synchronized with trigger) / OFF (always OFF) |
| External input | | Ionized air emission operation ON / OFF using OR control with trigger switch Ionized air emission operation ON: Short-circuited to COM (-) Ionized air emission operation OFF: Open |
| Ambient temperature | | 0 to +50 °C +32 to +122 °F (No dew condensation), AC adapter: 0 to +40 °C +32 to +104 °F |
| Ambient humidity | | 35 to 65 % RH (No dew condensation) |
| Weight | | 270 g approx. (main unit only) |
| Accessories | | AC adapter: 1pc. Exclusive intermediate cable (oil-resistant, heat-resistant, flexible type) length 2m 6.562 ft : 1 pc. Straight joints Tube outer diameter ø8-ø8mm ø0.315-ø0.315 in compatible type: 1 pc. (Note 4) Tube outer diameter ø8-ø6mm ø0.315-ø0.236 in compatible type: 1 pc. Connector connection terminal (Manufactured by Molex): 3 pcs. |

Notes: 1) Where measurement conditions have not been specified precisely, the conditions used were an ambient temperature of +20 °C **+68 °F**.
2) Typical value for pulse air mode: CONT at 100 mm **3.937 in** from the front of discharge nozzle at an applied air pressure of 0.50 MPa.
3) Dried clean air is the air passing through air dryer (dew point -20 °C **-4 °F** approx.) and air filter (mesh size 0.01 µm **0.0004 mil** approx.).
4) At the time of shipment from the factory, ø8-ø8mm **ø0.315-ø0.315 in** type is attached.

PRECAUTIONS FOR PROPER USE



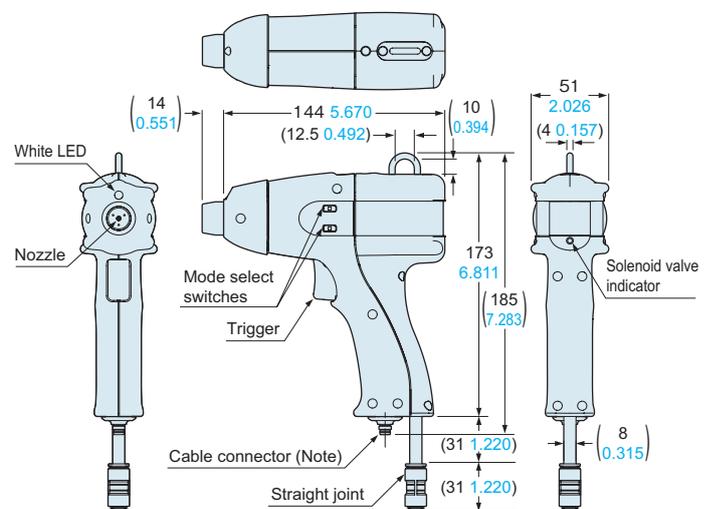
- This product includes precision components, so do not drop it or hit it against other objects. If this is not observed, accidents or problems with operation may occur.
- Never use this product in a device for personnel protection.
- Do not use this product in places where there may be danger of flammable or combustible items being present.
- High voltages are applied to the discharge needle, so never touch the discharge needle while the power for the product is turned on, otherwise electric shocks may result.
- Since the tip of the discharge needle is sharp, take sufficient care in handling the discharge needle, or injuries may result.
- If this product is used in an airtight room, ozone emitted from this product may be detrimental. Therefore, in order for this product to be used in an airtight room, be sure to keep the room ventilated.
- Do not direct ionized air toward the face. Ozone may cause irritation to places such as the nose and throat.
- Do not look directly into the white LED spotlight. It may cause injury to the eyes.

DIMENSIONS (Unit: mm in)

The CAD data in the dimensions can be downloaded from our website.

EC-G02

Ionizer main unit



Note: An exclusive intermediate cable (oil-resistant, heat-resistant, flexible type, ø3.7 mm **ø0.146 in**, 2 m **6.562 ft** long) is attached.