No. G2-E
Ionizing Gun

Wiring can be modified according to the real working area environment. Not obtrusive on the cell production bench. Uses cables with superior durability and flexibility.

No. G2-E
Ionizing Gun
Ion air flowing out eliminates static electricity. Built-in 70 kHz piezoelectric transformer! Outstanding ion balance within ±10 V Safe circuit with low voltage of DC 24 V
No. G7R-E  Ionizing Gun
Ionizing method: Piezoelectric high-frequency AC corona discharge  Applied voltage: 2kVAC

- Compact and lightweight.
- Ergonomically designed grip that fits your hand.
- Equipped with a green LED light facilitating visual check of dust, and with operating status and alarm lamps.
- Interchangeable nozzles for various applications (option)
- Needle electrode can be easily replaced with a dedicated tool.

Model No. Power supply Current consumption (mA typ.) Decay time Ion balance Noise level (dB(A)) Fan speed (min (l/min)) Weight (g) EDP No.
G7R-E 24VDC 85% 85 within 0.5sec. within ±10% 92 200 200 621621

Decay time and ion balance: 10% from the front of a device, at 0.6mA, and when equipped with the standard nozzle
(Noise: 1m from the front of a device and at 0.3mA, Air flow: At 0.3MPa)
- Air supply pressure: 0.1MPa to 0.6MPa, Air supply hose diameter: 66×64mm
- Accessories: AC adapter AD24-1CE (100V to 240V AC), 0.1MPa to 0.6MPa, Air supply hose diameter: 66×64mm
- Standard Nozzle G75N

No. BBZ-E  Ionizing Gun
Ionizing method: Piezoelectric high-frequency AC corona discharge  Applied voltage: 2kVAC

- Built with high-intensity white LED light for clear dust detection.
- Reinforced connector applying a ring tightening type.
- Silent and high jetting air nozzle for concentrated dust removal.
- Black colored body in which stain is less conspicuous
- Long power cable (5m), enabling the model to be moved in a wider area.
- Light-weight body, alleviating an operator’s fatigue.

Model No. Power supply Current consumption (mA typ.) Decay time Ion balance Noise level (dB(A)) Fan speed (min (l/min)) Weight (g) EDP No.
BBZ-E 24VDC 85% 85 within 0.7sec. within ±10% 81 200 210 621638

Decay time and ion balance: 10% from the front of a device, at 0.6mA, and when equipped with a silent, straight nozzle
(Noise: 1m from the front of a device and at 0.3mA, Air flow: At 0.3MPa)
- Air supply pressure: 0.1MPa to 0.6MPa, Air supply hose diameter: 66×64mm
- Accessories: AC adapter AD24-1CE (100V to 240V AC), 0.1MPa to 0.6MPa, Air supply hose diameter: 66×64mm
- Standard Nozzle BBZ5N

No. G2E-E  Ionizing Gun NEW
Ionizing method: Piezoelectric high-frequency AC corona discharge  Applied voltage: 2kVAC

- Compact and lightweight.
- Ergonomically designed grip that fits your hand.
- Equipped with a green LED light facilitating visual check of dust, and with operating status and alarm lamps.
- Interchangeable nozzles for various applications (option)
- Needle electrode can be easily replaced with a dedicated tool.

Model No. Power supply Current consumption (mA typ.) Decay time Ion balance Noise level (dB(A)) Fan speed (min (l/min)) Weight (g) EDP No.
G2E-E 24VDC 5% 100 within 0.5sec. within ±10% 94 153 260 621659

Decay time and ion balance: 10% from the front of a device, at 0.6mA, and when equipped with the standard nozzle
(Noise: 1m from the front of a device and at 0.3mA, Air flow: At 0.3MPa)
- Accessories: AC adapter AD24-1CE (100V to 240V AC), 0.1MPa to 0.6MPa, Air supply hose diameter: 66×64mm
- Standard Nozzle N-15N

One point
Pipe arrangement and wiring can be changed depending on the work

Use by hanging above cell production benches

Static Elimination of the Tray
No. N-1  Super Slim Ionizing Nozzle

**Ionizing method:** Piezoelectric high-frequency AC corona discharge  
**Applied voltage:** 10kVAC

- Compact design permitting placement anywhere and in any direction. Newly developed high-voltage transformer and control circuit enables unprecedented ease of use to be realized.
- Screw type nozzle is removed easily, making both nozzle replacement and cleaning of the needle electrode easy.
- Equipped with six-pole terminals enabling an abnormally high-voltage signal to emit or 24 V DC power to be daisy-chained.
- Blue lamp lights up during normal operations. When there occurs errors in high voltage, a red lamp flashes.

**CE RoHS**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Power supply</th>
<th>Current consumption (mA)</th>
<th>Oacity (mm)</th>
<th>Ion balance</th>
<th>Noise level (dB(A))</th>
<th>Fan speed (m³/min)</th>
<th>Weight</th>
<th>EDP No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-1</td>
<td>240V/5%</td>
<td>58</td>
<td>within 1500</td>
<td>within 10V</td>
<td>9.6</td>
<td>190</td>
<td>80</td>
<td>621639</td>
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</table>

(Decay time and ion balance: 1500ms from the front of a device, at 0.3mA, and when equipped with the standard nozzle) 

- Noise at a measurement distance of 1m and 0.3mA, Air flow: when equipped with the standard nozzle and at 0.3mA

**Options:** Tube-Fitting Nozzle N-2TN, Silent Straight Nozzle BB-ZSN, Silent Wide Nozzle N-2VWN, Flair Nozzle N-2FPN, Speed Controller G-75C, Microfilter G-7F, Needle Replacement Screwdriver G-7DR, Needle Electrode GN4

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No. N-3  Pinpoint Ionizing Nozzle

**Ionizing method:** Piezoelectric high-frequency AC corona discharge  
**Applied voltage:** 5.6kVAC

- Compact and lightweight. Equipped with screw holes for a mounting to a system.
- Offers various nozzles as options that can be used in a variety of applications.
- Screw type nozzle is removed easily, making both nozzle replacement and cleaning of the needle electrode easy.
- Automatically stops in the event of high voltage. Equipped with alarm output terminals.
- Equipped with six-pole terminals enabling an abnormally high-voltage signal to emit or 24 V DC power to be daisy-chained.
- Green lamp lights up during normal operations. When there occurs errors in high voltage, a red lamp flashes.

**CE RoHS**

<table>
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<th>Model No.</th>
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<th>Current consumption (mA)</th>
<th>Oacity (mm)</th>
<th>Ion balance</th>
<th>Noise level (dB(A))</th>
<th>Fan speed (m³/min)</th>
<th>Weight</th>
<th>EDP No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-3</td>
<td>240V/5%</td>
<td>90</td>
<td>within 1500</td>
<td>within 10V</td>
<td>9.4</td>
<td>210</td>
<td>104</td>
<td>621654</td>
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</table>

(Decay time and ion balance: 1500ms from the front of a device, at 0.3mA, and when equipped with the standard nozzle) 

- Noise at a measurement distance of 1m and 0.3mA, Air flow: when equipped with the standard nozzle and at 0.3mA

- Air supply pressure 0.1MPa to 0.6MPa, Air supply hose diameter 6/6×4/4mm

- Accessories: Standard Nozzle N-11N


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One point

Interchangeable nozzles for various applications (option)

Daisy-chain wiring. High voltage cables stay inside the product.

Power supply to multiple ionizing nozzles is possible. Secure 24V DC wiring.