

VESSEL®

Black and White for your application



NEW *BBZ-E*

CE RoHS

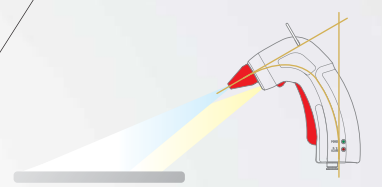
STAT-CLEAN *G7R-E BBZ-E PAC-8*
Gun-type Ionizers

Made in Japan

“Top Sell” model for general applications



Tilted designed body: operator can work without bending his wrist.



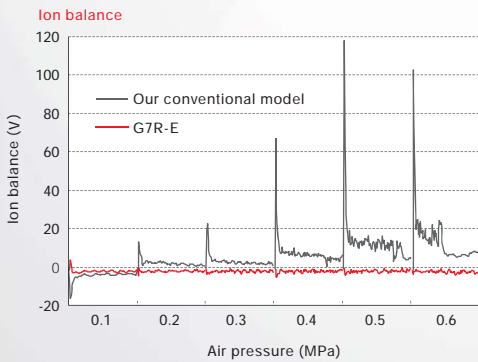
Non-slip grip suitable even for clean room gloves.

LED lamps on both sides of grip to check operating status.

10,000,000-cycle tested Robotic cable adopted.

Highly-efficient neutralization in excellent ion balance

The unique-design nozzle keeps ion balance stable and avoids the opposite-charging at the moment the trigger is pulled. Suitable for neutralization and dust elimination for static-sensitive components.



Easy maintenance

Screw type interchangeable nozzle. Easy replacement and cleaning of electrode. (Image shows the G7R-E)



Various options available

Nozzles: e.g., Standard Nozzle, Silent Nozzle, and Brush are replaceable depending on the work. (Image shows Silent Nozzle N-2WN)



Low voltage 24 V DC power supply

24VDC low voltage input. Safe with no high voltage wires exposed.



An industry first LED light

Super luminosity LED lamp illuminating dust particles. (Image shows the G7R-E)



RoHS / CE

Comply with the directive RoHS. Certified CE marking.



Ergonomic and powerful at hand!

G7R-E



EDP No. 621621

A C Piezzo AC	Ion Balance within ± 10 V	Air Pressure max 0.6MPa
Decay Time within 0.5 sec	Directive CE RoHS	ALARM H.V.
		LED light

Robotic cable
2.5m



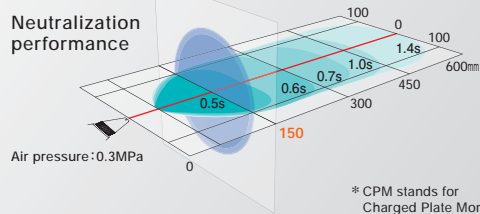
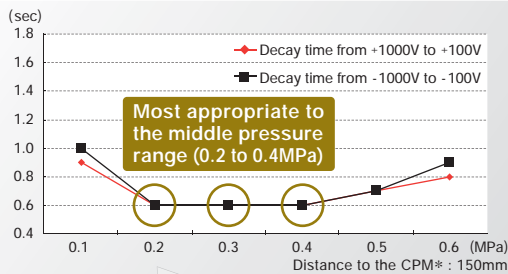
AC Adapter

Ideal for neutralization and dust elimination of precision parts at hand, for example, in cell production.

- LED light integrated to make dust visible.
- Ergonomic grip enabling operator to hold it at a right angle.
- Non-slip grip suitable even for clean room gloves.
- Lightweight and less fatigue of operators.



Accurate ionizing at hand



Specifications

Model	G7R-E
Ion generation method	Piezoelectric high-frequency AC corona discharge
Applied voltage	2.0 kVAC
Power supply	24 VDC $\pm 5\%$
Current consumption	74 mA (typ. When using LED light)
Ion balance (measured at 150mm)	within ± 10 V (at 0.3MPa)
Decay time (measured at 150mm)	within 0.5 sec (at 0.3MPa)
Neutralization area	50 mm ~ 600 mm
Dimensions (H x W x D)	150x36x105 mm
Weight	198 g
Air supply pressure	0.1~0.6MPa
Air supply hose diameter	$\Phi 6 \times \Phi 4$ mm
Air flow	184 ℓ /min (at 0.3MPa) / 336 ℓ /min (at 0.6MPa)
Noise level (measured at 1m)	89.1dBA (at 0.3MPa) / 97dBA (at 0.6MPa)
Ozone production (measured at 50mm)	0.05 ppm or less (at 0.3MPa)
Operating temperature	5~40°C
Humidity	35~65% RH (non-condensing, non-freezing)
Accessories	AC Adapter AD24-ITC-E Input voltage: 100 VAC~240VAC (50/60 Hz) 0.4 A Output voltage: 24 VDC 0.75 A Standard Nozzle G-7SN, Instruction manual

Newly developed
Enormous power over big plastic products

BBZ-E



(Compared to the G7R-E)

EDP No. 621638

A C Piezzo AC	Ion Balance within ± 10 V	Air Pressure max 0.6MPa
Decay Time within 0.5 sec	Directive CE RoHS	ALARM H.V.
		LED light

Robotic cable
5m



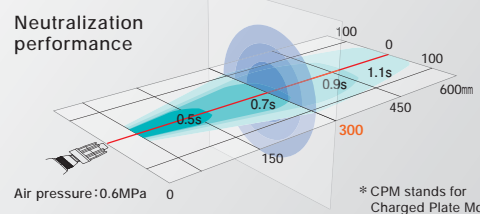
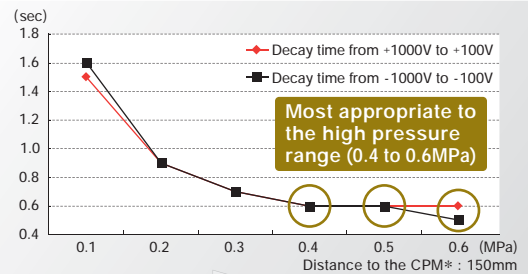
AC Adapter

Ideal for neutralization and dust elimination of big plastic products made, for example, by standing up.

- LED light integrated to make dust visible.
- Vibration resistant screw-in connector.
- Intensive neutralization with a silent and high discharge air nozzle.
- Less noticeable black color from dirt.
- The long power cable (5 m) allows work in a widespread area.
- Lightweight and less fatigue of operators.



Unique performance by high pressure blow-off for such big products



Specifications

Model	BBZ-E
Ion generation method	Piezoelectric high-frequency AC corona discharge
Applied voltage	2.0 kVAC
Power supply	24 VDC $\pm 5\%$
Current consumption	74 mA (typ. When using LED light)
Ion balance (measured at 150mm)	within ± 10 V (at 0.6MPa)
Decay time (measured at 150mm)	within 0.5 sec (at 0.6MPa)
Neutralization area	50 mm ~ 600 mm
Dimensions (H x W x D)	152x36x132 mm
Weight	198 g
Air supply pressure	0.1~0.6MPa
Air supply hose diameter	$\Phi 6 \times \Phi 4$ mm
Air flow	194 ℓ /min (at 0.3MPa) / 344 ℓ /min (at 0.6MPa)
Noise level (measured at 1m)	77.3dBA (at 0.3MPa) / 85.5dBA (at 0.6MPa)
Ozone production (measured at 50mm)	0.05 ppm or less (at 0.3MPa)
Operating temperature	5~40°C
Humidity	35~65% RH (non-condensing, non-freezing)
Accessories	AC Adapter AD24-ITB-E Input voltage: 100 VAC~240VAC (50/60 Hz) 0.4 A Output voltage: 24 VDC 0.75 A Instruction manual

