

Gun Type

G7R-E

Compact and lightweight
High discharge air blow ionizer

Decay time 1.0 sec or less

G2-E

Plasticable handy ionizer
with flexible cable Installation

Decay time 0.8 sec or less

G-9 NEW

Self Power Generating
Ionizing Gun

Decay time 1.0 sec. or less

HPG-1 →P35

Good for Highly Charged Products
Easy handling large trigger model

Decay time 0.5 sec. or less

Why is VESSEL's gun type our customer's top choice?

1

The bright LED lamp
makes dust visible

Use the LED lamp to check dust that has
adhered on the workpiece.



2

Piezoelectric transformer enhances
safety with no need to expose
high-voltage cables

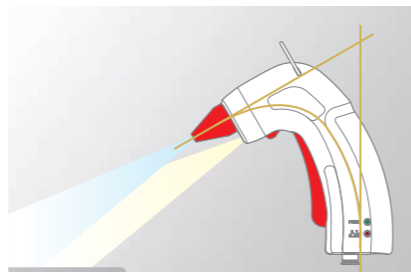
The high-voltage cable is not exposed, so
there's no need to worry about current leaks or
electric shock caused by wire breakage.



3

Ergonomically designed grip is
easy to hold and adjusted to
the optimum angle

The nozzle direction faces the optimum
direction when the grip is held, allowing work to
be started right away.



Ionizing Gun

Our most popular ionizing air gun is compact,
lightweight and user-friendly

G7R-E



EDP No.621621

High Voltage Transformer	Ion balance	Decay time	Directive
Piezoelectric high-frequency AC corona discharge	within ± 10 V	1.0 sec or less	CE
Power supply DC24V	Air Pressure max 0.6MPa	LED illumination	AC adapter 100~240V included
			Screw-type needle electrode
			"ON" lamp
			ALARM H.V.

- ▶ Bright green LED lamp makes dust visible.
- ▶ Ideal for neutralization and dust elimination from precision parts, for example, at hand in a cell production.
- ▶ Diverse options support various applications.



Attach a brush to blow out dust



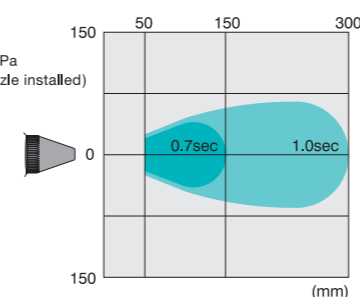
Operating and malfunction alarm LEDs are provided on both sides of the grip

Specifications

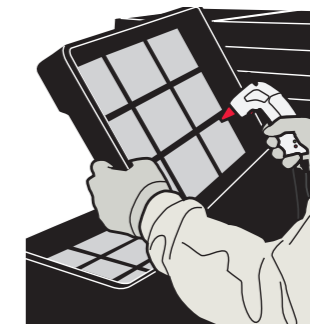
Model No.	G7R-E
Ionizing method/Applied voltage	Piezoelectric high-frequency AC corona discharge/AC 2kV
Power supply and current consumption	DC24V $\pm 5\%$ / 85mA (typ.)
Ion balance	within ± 10 V
Decay time	1.0 sec or less (standard nozzle: measured 150mm from device at 0.3 MPa)
Operating distance	50 mm to 600 mm
HxWxDmm	L105xH150xD36mm
Weight	200g
Air supply hose diameter	tube fitting $\Phi 6$ mm
Operating fluid	Clean dry air (0.1MPa to 0.6MPa)
Air Consumption	200 ℓ /min (0.3MPa)
Noise level	92 dBA (0.3MPa)
Ozone production	0.05ppm or less (measured 50mm)
Operating environment temperature and humidity	5°C to 40°C/35% to 65% RH (with no dew condensation or freezing)
Accessories	AC adapter AD24-ITC-E (included with device) AC cable (1.8m) / Standard Nozzle

Decay area

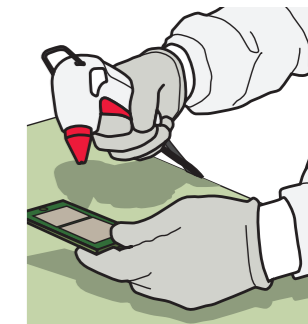
Air Pressure : 0.3MPa
(with Standard Nozzle installed)



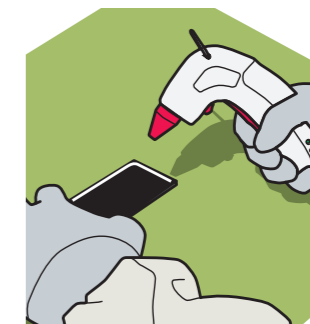
Dust removal from plastic trays



Dust removal from substrates



Dust and static-electricity removal
from mobile phone parts



Dust and static-electricity removal
from bumpers

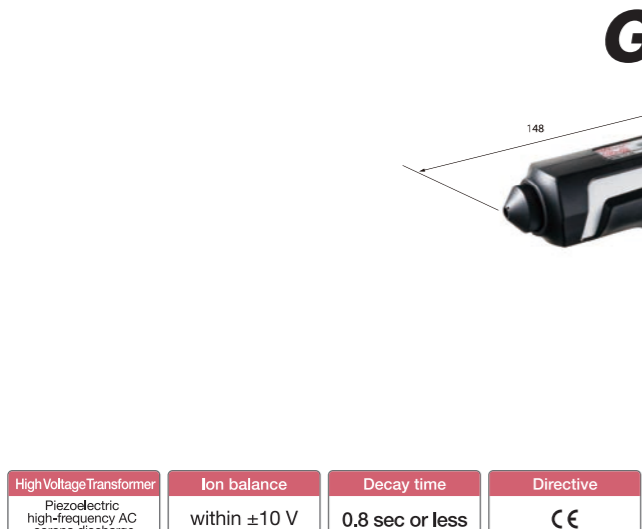


Accessories



Ionizing Gun

Practicable handy ionizer with flexible cable installation



High Voltage Transformer	Ion balance	Decay time	Directive
Piezoelectric high-frequency AC corona discharge	within ±10 V	0.8 sec or less	CE
Power supply DC24V	Air Pressure max 0.6MPa	AC adapter 100~240V included	Screw-type needle electrode
		"ON" lamp	ALARM H.V.

- ▶ Changeable wiring direction upward or downward. This makes it easy to use the G2-E by hanging it from the top of a cell production table (e.g. when using a tool balancer).
- ▶ Compact, lightweight, and ergonomically designed grip that fits your hand.
- ▶ Operating status and alarm lamps.
- ▶ Interchangeable nozzle for various applications. (option)
- ▶ The needle electrode can be easily replaced with a dedicated tool.

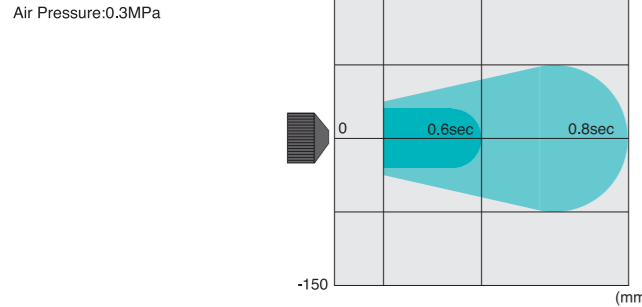


Powerful blow of ionized air through the dedicated nozzle. Can fit the cable in the groove on the grip lateral side.

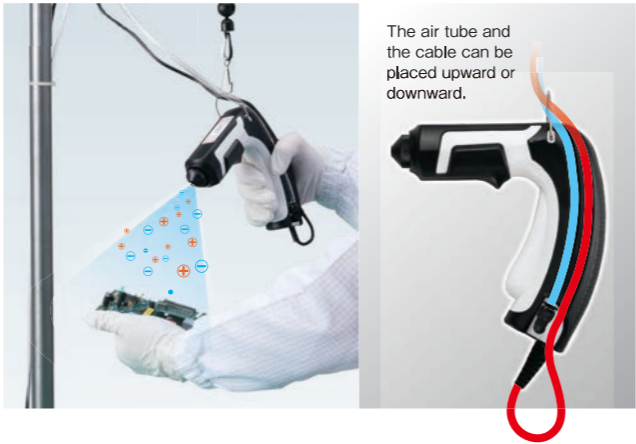
Specifications

Model No.	G2-E
Ionizing method/Applied voltage	Piezoelectric high-frequency AC corona discharge/AC4.5 kV
Power supply and current consumption	DC24V±5% / 100mA(typ.)
Ion balance	Within ±10 V (at 0.3 MPa measured at 150mm)
Decay time	0.8 sec (measured at 150mm)
Operating distance	50 mm ~ 300 mm (Installation:Indoor, non-hazardous area)
HxWxDmm	L 148mm x H 57mm x W 44mm
Weight	260g
Air supply hose diameter	ODφ6 mm x IDφ4 mm
Operating fluid	Clean dry air (0.1MPa to 0.6MPa)
Air Consumption	153 ℓ /min (0.3MPa)
Noise level	94dBA (0.3MPa)
Ozone production	0.05ppm or less (measured 50mm)
Operating environment temperature and humidity	5°C to 40°C/35% to 65% RH (with no dew condensation or freezing)
Accessories	AC adapter AD24-ITCS-E, AC cable (1.8m), Standard nozzle (included with device)

Decay area



Use by hanging above cell production benches



The air tube and the cable can be placed upward or downward.

Dust removal from plastic trays



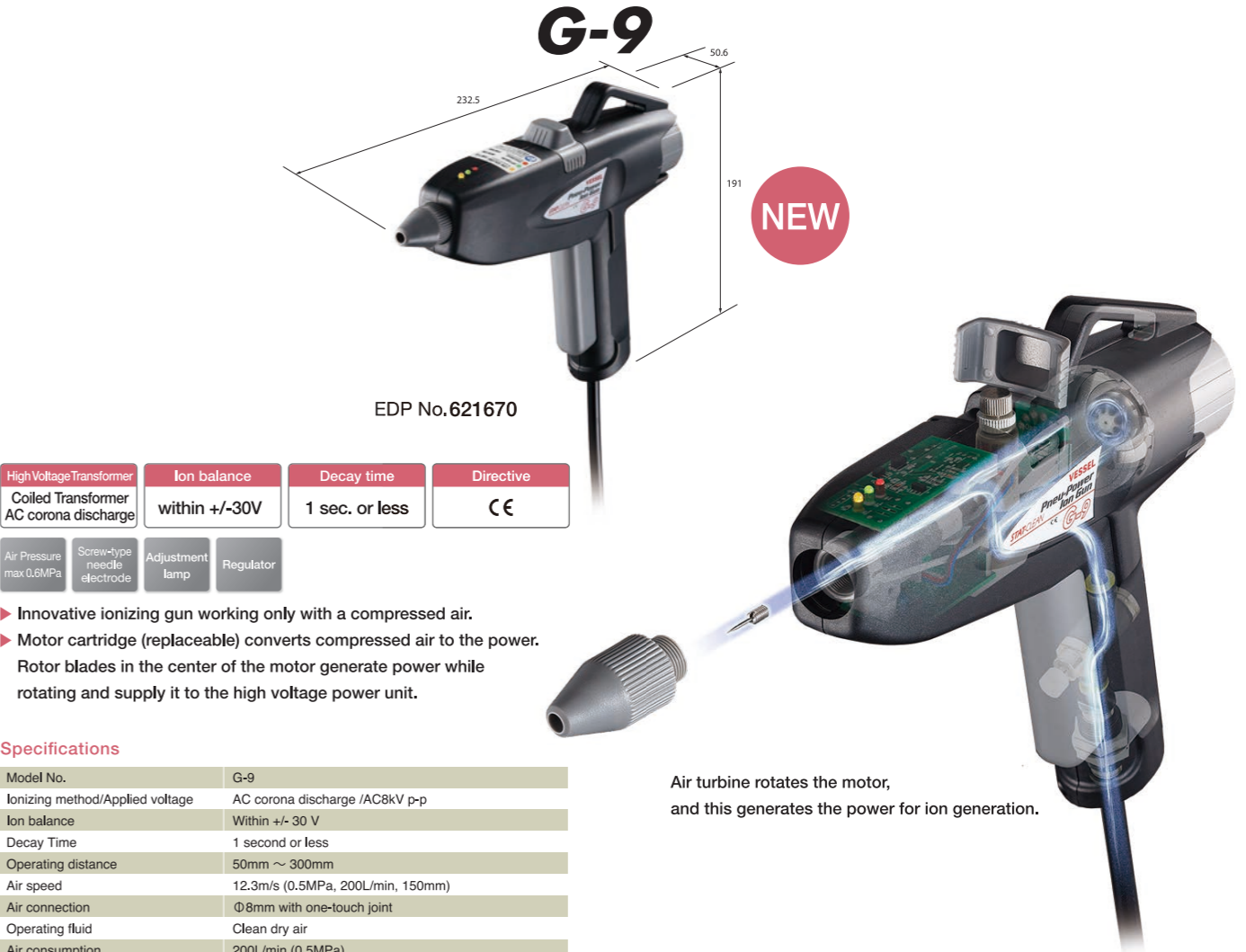
※Possible to fix the direction of the air hose and the power cable.

Accessories



Pneu-Power Ion Gun

Innovative self-power generating ionizing gun.
No need for electric wiring



High Voltage Transformer	Ion balance	Decay time	Directive
Coiled Transformer AC corona discharge	within +/-30V	1 sec. or less	CE
Air Pressure max 0.6MPa	Screw-type needle electrode	Adjustment lamp	Regulator

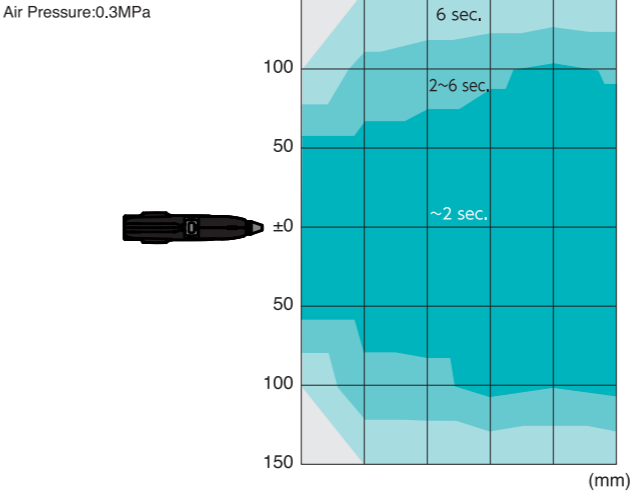
- ▶ Innovative ionizing gun working only with a compressed air.
- ▶ Motor cartridge (replaceable) converts compressed air to the power. Rotor blades in the center of the motor generate power while rotating and supply it to the high voltage power unit.

Specifications

Model No.	G-9
Ionizing method/Applied voltage	AC corona discharge /AC8kV p-p
Ion balance	Within +/- 30 V
Decay Time	1 second or less
Operating distance	50mm ~ 300mm
Air speed	12.3m/s (0.5MPa, 200L/min, 150mm)
Air connection	Φ8mm with one-touch joint
Operating fluid	Clean dry air
Air consumption	200L/min (0.5MPa)
HxWxD	191 x 233 x 51 mm (without protrusions)
Weight	470 g
Noise	88dBA (0.5MPa)
Operating temperature and humidity	0 to +45°C 10 to 90% RH (no condensation or freezing)
Accessories	Instruction manual

Air turbine rotates the motor, and this generates the power for ion generation.

Decay area



Options

