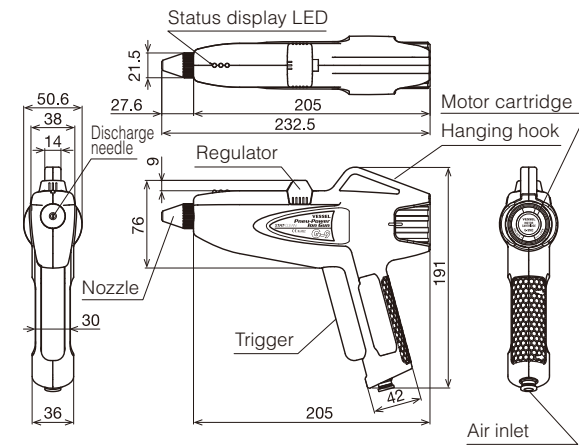


■ Dimensions



■ Specifications

Model No.	G-9
Type	High voltage applied ionizer
Structure	Direct-coupled
High voltage power source	Coiled transformer
Ionizing method	High-frequency AC corona discharge
Applied voltage / Frequency	8kVAC p-p ( ± 5% ) / 32kHz (Typ.)
Air supply	φ8mm tube applied, One-touch joint
Operating fluid / Input pressure	Clean dry air / 0.4~0.6MPa (Rated 0.5MPa)
Air volume	210L/min (0.5MPa)
Decay time	± 1000V→± 100V:1sec. or less(0.5MPa, 210L/min, 150mm)
Ion balance	± 30V (0.5MPa, 210L/min, 150mm)
Noise	74.6dBA (0.5MPa, 210L/min, 1m)
Protective circuit	High-voltage short-circuit detection circuit / Automatic shutdown / Automatic recovery
Operating temp. / humidity	0~+45°C / 10~90%RH(No freezing or dew condensation)
Storage temp. / humidity	30~+50°C / 10~90%RH(No freezing or dew condensation)
Material	Body, Nozzle, Motor cartridge: Polycarbonate / Discharge needle: Tungsten / High flow nozzle: PC/ABS
Dimensions	H191 x W232.5 x D50.6mm
Weight	Approx. 470g
Place of use	Indoor
Accessories	Instruction manual, High flow nozzle G-9HFN

■ Options

- Straight silent nozzle BB-ZSN (EDP No.621708)
- Silent nozzle G-9WN (EDP No.806151)
- Plug with urethane tube (EDP No.806148)

■ Replacement parts

- Needle electrode GN-H (EDP No.806124)
- Needle electrode replacement screwdriver G-7DR (EDP No.806061)
- Motor cartridge G-9MC (EDP No.806147)
- High flow nozzle G-9HFN (EDP No.806154)

■ G-9(Standard nozzle)

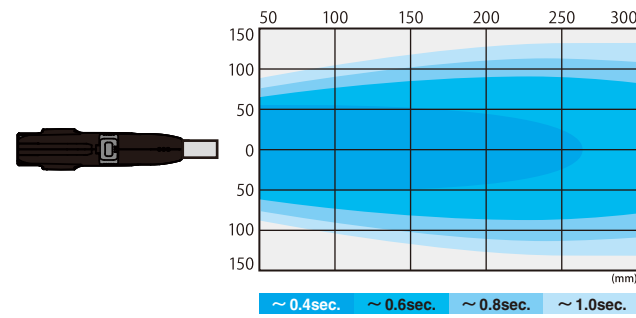
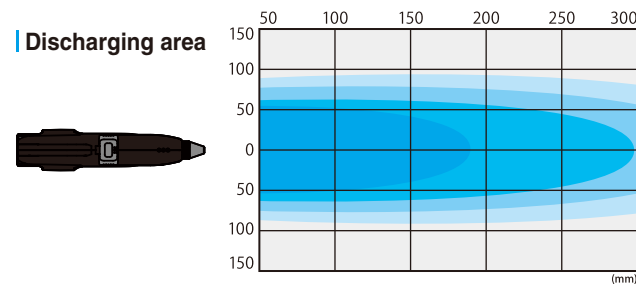
Width	Distance	50 mm	100 mm	150 mm	200 mm	250 mm	300 mm
150 mm	>10	>10	>10	>10	6.08	>10	1.71
100 mm	>10	1.10	0.43	0.54	>10	0.59	
50 mm	0.33	0.34	0.35	0.40	0.66	0.50	
0 mm	0.32	0.33	0.35	0.41	0.46	0.59	
50 mm	0.35	0.36	0.56	0.63	0.43	1.36	
100 mm	>10	>10	>10	>10	0.54	>10	
150 mm	>10	>10	>10	>10	2.99	>10	

■ G-9(High flow nozzle G-9HFN)

Width	Distance	50 mm	100 mm	150 mm	200 mm	250 mm	300 mm
150 mm	>10	>10	>10	>10	>10	>10	>10
100 mm	>10	8.56	0.65	3.16	0.95	0.78	
50 mm	0.36	0.33	0.36	0.35	0.40	0.45	
0 mm	0.38	0.35	0.34	0.35	0.39	0.42	
50 mm	0.36	0.34	0.35	0.35	0.42	0.46	
100 mm	7.60	0.80	2.70	0.88	0.64	0.77	
150 mm	>10	>10	>10	>10	>10	>10	

※Decay time (sec.): ±1000V→±100V, Air pressure: 0.5MPa, Air volume: 210L/min  
 ※Charged plate monitor: Trek 158A 150mm SQ., 20pF, 23°C, 50%Rh

■ Discharging area



■ Air volume, Noise, Blow-off power

Measured data	Air volume(L/min)	Noise(dBA)	Blow-off power(N/m <sup>2</sup> )	with G-9HFN		
				Air volume	Noise	Blow-off power
Air pressure	Lamp: Green	1000 mm	150 mm			
0.6 MPa	240	77.4	49	250	89.0	66
0.5 MPa	211	74.6	37	211	87.3	51
0.4 MPa	186	76.2	30	284	84.3	38

●Drop durability test: 180 cm free fall (concrete surface) that exceeds JIS standards; Confirmed that the product is not damaged even after 10 trials and that it operates without problem.  
 ●The noise was measured at 1,000mm. ●the blow-off power was measured at 150mm.

⚠ Warning

- For your safety, read the instruction manual carefully before using this product.
- Never use this product in hazardous area requiring explosion proof measures.
- A high voltage is applied on this product. Make sure that water, oil, etc., do not come in contact.
- Avoid condensation as it can result in electric shock or product damage.
- Keep away metal objects such as tools or wires, or body parts such as fingers, hands, or face from the discharge needle due to applied high voltage.

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●For improvements, the product specifications, size, and others may be subject to change without prior notice. 23071823.10



**PATENTED!**  
 Power generation without external power supply or cable.  
 Removal of static electricity and dust.

STAT·CLEAN series

Pneu-Power Ion Gun No.G-9 EDP No.621670



**NEW!!**

**High Flow Nozzle is now enclosed!**

By using this new nozzle, **blowing performance is dramatically improved!**





# Advantages of Pneu-Power Ion Gun

**1** Cable troubles are prevented!  
**No repair due to cable breakage.**

**2** Safe because the legs don't get caught!  
**The foot space is widely secured.**

**3** Neither outlet nor high voltage cable is required.  
**No separate high voltage power unit.**

"Self-power generating ionizing gun". No need for electric wiring.  
**Eliminate static electricity only with compressed air!**

## Superior Ionizing Performance + Ion Balance

Decay time: 1 sec. or less  
 Ion balance: within  $\pm 30V$   
 (1000V  $\rightarrow$  100V  $\cdot$  20pf CPM  $\cdot$  0.5MPa  $\cdot$  150mm)

## High Flow Discharge

High Flow Nozzle for improved blowing performance. Suitable for static elimination and dust removal from automobile bumper paint, sheet metal, and large resin molded products.



**Replaceable**

High Flow Nozzle (enclosed)

## Comply with

**RoHS** (10 substances)

## Applications



Static elimination and dust removal...

- Before painting process of large parts; (for automotive, furniture, music instruments, and so on.)
- Before bringing into a clean room parts which are just taken out of the package;
- of Big size film, sheet material, and so on.

## Convenient for air volume adjustment. Regulator & Adjustment Lamp

Air flow can be visually adjusted. A red light indicates too much air and a yellow light indicates insufficient air. Adjust the air flow so that the green light comes on.

**Air and ions that are blown out.**

## Prevention of breakage. Hanging Hook + Metal Fitting

There is reinforced metal fitting in the hanging part.



**Turbine generates electricity.**

## Power generation by air. Motor Cartridge (Replaceable)

Convert compressed air to electricity. Replacement reference every 1 or 2 years.

## Stable ion generation. Coiled High Voltage Transformer

Transformer that can increase voltage and generate ions in a stable manner.

**Air is diverged into 2 routes: for power generation and dust removal respectively.**

**Just connect the air tube to use. ( $\phi 8 \times \phi 5$  air tube)**

## Easy maintenance. Replaceable Needle Electrode

Air passes through the electrode. Wipe with a cotton swab for maintenance. (Approx. 1 year for replacement)

## No extra force. Trigger

Light force is required to activate the air supply.

## User's voice



- Previously, there were cables that required wiring for power cables, but it is no longer necessary.
- Since air hoses are present in every process, this product can be used immediately at any location.
- There used to be a lot of repairs due to broken wires, but after using this product, there is no more need for repairs.
- In the pre-painting process, the air hose can be used anywhere as long as there is only air wiring. No power source is needed.
- I no longer have to worry about cables getting tangled up and falling over.