

New

CE RoHS

High Power Ionizing Gun Unit

No.HPG-1S EDP No.623045

No.HPG-1S-E EDP No.623047

Good for Highly Charged Products

- * Titanium electrode needle (discharge electrode)
- * Silicon shielded cable for high voltage.
- * The body of the air gun is robust aluminum die-cast.
- * The air gun is equipped with an easy-handling lever.
- * Ion Balance Circuit (High Voltage Power Supply Unit GP-1 4kV)
- * Safety circuit/Anomaly detection circuit (High Voltage Power Supply Unit GP-1 4kV)



《Set Contents》

No.HPG-1S EDP No.623045

High Power Gun	Power Adapter	High Voltage Power Supply
HPG-1	AD24-GP	GP-1 4kV

No.HPG-1S-E EDP No.623047

High Power Gun	Power Adapter	High Voltage Power Supply
HPG-1	AD24-GPE	GP-1 4kV

**OUTPUT 4kV**

To be used with the High Voltage Power Supply GP-1 for 4kV

*Commercial Frequency Type
High Voltage Power Supply
STATBUSTER*

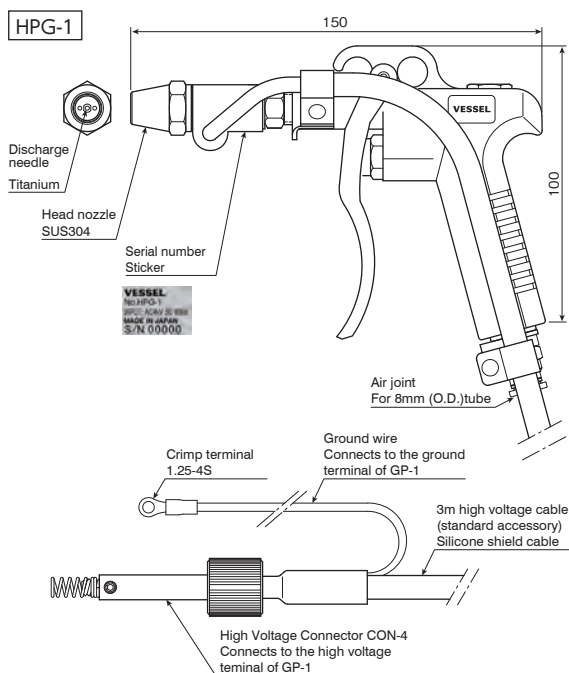
Applications: Front-end process for painting, Static electricity removal of molded parts, PET bottles, etc.

High Power Ionizing Gun Unit No. HPG-1S *New* **VESSEL**

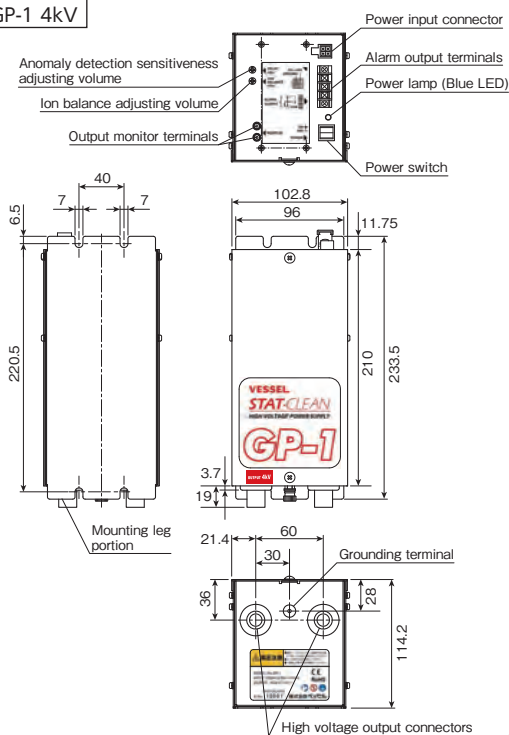
Let us think.

High Power Ionizing Gun Unit No. HPG-1S 《Set Contents》

■ Dimensions (Unit:mm)



GP-1 4kV



■ High Power Gun Specifications

Model	HPG-1
Type	High voltage applied type ionizing
Structure	Direct-coupled (Touch the electrode when applying current may bring electric shocks)
Applied High Voltage	High Voltage Power Supply Unit Gp-1 4kV
Ionizing Method	AC corona discharge
Applied Voltage /Frequency	3.5kVAC / 50/60Hz (to be set and/or adjusted on the GP-1 4kV)
Operating Fluid / Input Pressure	Clean air/max. input pressure of 0.7MPa (PROHIBITED TO SUPPLY AIR AT MORE THAN 0.7MPa.SERIOUS RISK OF DAMAGE OR BREKAGE ON THE BODY AND OTHER PARTS)
Operating Temp./Humidity	0~45°C/10~90%RH(without freezing or dew condensation)
Storage Temp./Humidity	-30~50°C/10~90%RH(without freezing or dew condensation)
Installation Distance	50mm~300mm approx. (between a charged product and discharge tip of the gun)
Decey Time	Approx. 0.5 sec. (Input air pressure: 0.3MPa, Distance: 150mm)
Ion Balance	Adjustable on GP-1 4kV (Charged plate monitor or an equivalent is required.)
Installation Place	Indoor
Protective Circuit	High Voltage Power Supply GP-1 4kV has high voltage anomaly detection function and automatic stop circuit.
High Voltage Cable	3m (standard), silicon shielded cable
Termination Connector	High pressure connector CON-4
Air Connection	Outer dia.8mm tube applied, one touch joint
Material	Air gun: Aluminum die-cast, Nozzle: PA66+SUS304, Electrode needle: Titanium
Weight	Approx. 550g,including high pressure cable (3m) and high pressure connector.
Noise	Approx. 95dBA (Input air pressure:0.3MPa)
Air Consumption	Approx. 110L/min (Input air pressure:0.3MPa)
Life Expectancy	10,000 hours (only as a guide) (8hours operation×250days×5years)

■ High Voltage Power Supply Specifications

Model	GP-1 4kV
Operating Temp./Humidity	0~50°C/10~90%RH(without freezing or dew condensation)
Storage Temp./Humidity	-30~70°C/10~95%RH(without freezing or dew condensation)
Installation Place	Indoors
Rated Input Voltage	24V DC±10%
Variable Output Range Without Loud (rms)	AC output 4kV DC output -150 to +550V
Secondary Short Circuit Current	5 mA or lower
Output Monitor	1/1000V±5% of the output voltage is emit to the monitor terminals.
Low-voltage Detection	Anomaly detection function will operate when each output drops to about 85% or less of the set voltage due to high voltage short circuit or abnormal sparks.
Overcurrent Detection	Anomaly detection function will operate when the output current is about 4mA or more.
Anomaly Detection Sensitivity Adjustment	The anomaly detection response speed can be adjusted (using external adjustment knob)
Power Supply Input	Molex 5569-04A1-210
High Voltage Output Connector	Ceramic high voltage output terminal×2
Alarm Output Terminal	C contact relay output
Switches And Displays	On-off rocker switches. Blue LED power indicator lamp (goes off when anomaly is detected)
Material	Housing SPCC, painted white
Size	W102.8×D233.5×H114.2mm
Weight	Approx. 4.5kg

■ Power Adapter Specifications

Model	AD24-GP	AD24-GPE
Rated input	100~240V AC (50/60Hz), 0.4A	
Rated output	24V DC, 0.75A	
Operating temp. Humidity	0~40°C 10~85%RH (without freezing or dew condensation)	
Coed length	DC output cord and AC input cord, approx. 1.8m each	



AD24-GP



● For safety purposes, read the instruction manual carefully before using the unit. ● Do not use this product in an explosion-proof area. ● A high voltage is applied on this product. Make sure that water, oil, solvents, etc., do not come in contact. ● Avoid dew condensation as it can result in electric shock or product damage. ● Keep away metal objects such as tools or needles, or body parts such as fingers, hands or face from the needle electrode because a high voltage is applied on the needle electrode.

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●For improvements, the product specifications, size, price and other information may be subject to change without prior notice.

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