

All about electrostatics, our know-how is yours!

The Next Generation ION NOZZLE



SIG-30

AC corona discharge Ion Gun which has stable ion balance and makes lots of ion for eliminating electricity rapidly also blowing adhered dust. In addition, it is effective that the LED light on the device can visualize the particle in the area of pointing.



Key Features

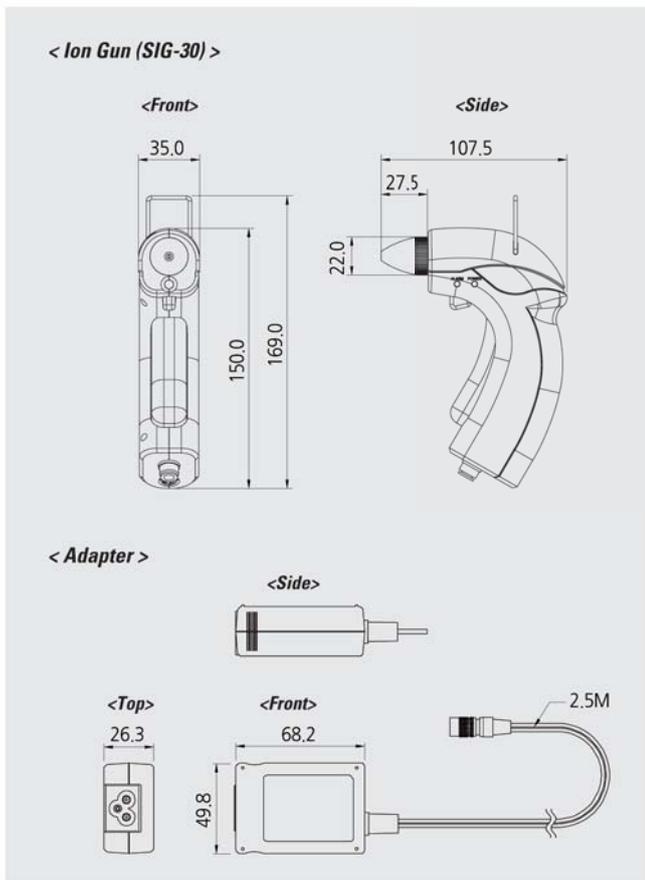
- Small size Gun type Ion Nozzle
- Ion balance within $\pm 10V$ (300mm)
- Ergonomically designed Ion Gun
- Identifying the particle/dust through LED light
- Durable cable that was tested more than 150,000times of three-point-flexure test
- Easy to disassemble the nozzle, simple/easy tip cleaning

Specifications

Parameter	Description / Value	Remarks
Input Power	DC 24V	±5%
Power Consumption	1.8W	Lighting LED On
Current Consumption	75mA	DC 24V
Ion-Generation Method	High Frequency AC	
Air Purge Supply Pressure	0.1MPa~0.6MPa(0.4MPa Recommendation)	CDA(Clean Dry Air), N2
Ion Balance	Within ±10V	0.3MPa, 150mm
Operating Distance	50mm ~	Non-Hazardous Locations
Operation Circumstance	50°C~+130°C(32°F~266°F), 35%~65%RH	No dewing
Ozone(O3) Concentration	≤0.05ppm	50mm
Main Body Material	ABS	
Electrode Material	Tungsten	
Hook Material	Stainless Steel	
Weight	198g	
Alarm Function	High Voltage Abnormal Alarm	
Accessory	AC Adaptor	
Warranty	1 year	

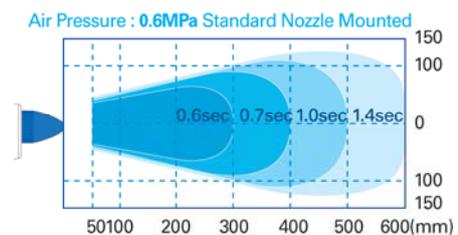
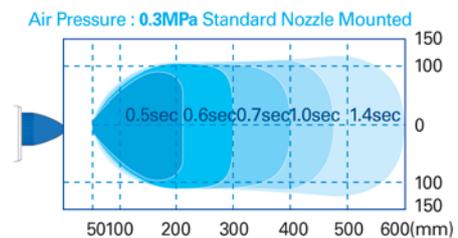
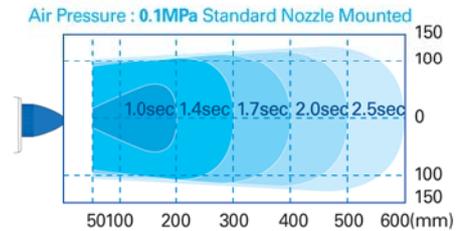
※ The appearance and specification of the product may be changed without prior notice for the improvement of the product.

Dimensions



Decay Time Characteristics

- **Model** : SIG-30
- **Decay Time** : ±1,000V to ±100V
- **Charge Plate Capacitance** : 20pF(150 X 150 mm)
- **Temperature & Humidity** : 24°C, 50%RH



Maintenance

- **Discharge needle cleaning order**
- * Check and clean the discharge needle every month.
The cycle can be extended depending on the environment.
1. Please turn off main power of SIG-30
 2. Turn counterclockwise nozzle to unscrew.
 3. Turn the needle socket counterclockwise to isolate the nozzle.
 4. Wipe the tip by an applicator swab with alcohol drops.
(Do not use acetone)
 5. After the cleaning, let the alcohol applied to the discharge needle surface evaporate completely and then operate the lonizer.
 6. Please record the cleaning process as a reference in the file.

