

Ion Nozzle

Electrostatic Total Solution

SPN-21C

It is a miniature Pin Type Ion Nozzle. It achieves stable performance and constant ion balancing for long time use through high frequency, and it has a digital control system to minimize corona discharge loss.

Key Features

- Miniature Pin Type Ion Nozzle
- Stable ion balance during long term usage
- Two types of nozzles (Option) can be apply to various working environment
- Low peak voltage through high frequency
- Useful to be installed in narrow, small space



Specifications

Parameter	Description / Value	
Input Power	DC 24V (±5%)	
Power Consumption	Max. 4.8W	
Current Consumption	Max. 200mA	
High Voltage	Pulse AC 6.4 ~ 15kVpp	
Ion-Generation Method	Corona Discharge	
Connector	Power (DC24V) : DC Jack / RS-485 & Interface : Terminal Block 3.81mm Pitch	
Operating Distance	50 ~ 1,000mm	
Operation Circumstance	0℃ ~ +50℃(32°F ~ 122°F), 35% ~ 85% RH	
Ozone(O3) Concentration	≤0.05ppm	
Electrode Material	Standard : Tungsten / Option : Silicon	
Electrode Replacement	Cartridge type	
Function	Alarm	High Voltage Alarm, Tip Cleaning Timer Warning
	Interface	- Run/Stop State : Run-Closed / Stop-Open - High Voltage Alarm : Normal-Open / Alarm-Closed - Tip Cleaning Timer Warning : Normal-Open / Alarm-Closed - Remote Input
	RMS	Real Monitoring System (RS485)
Warranty	1 year	

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

※ When used in the N2 environment, normal ion balance may not be available.

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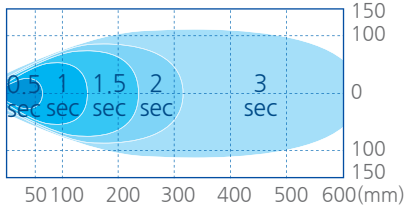
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Decay Time Characteristics

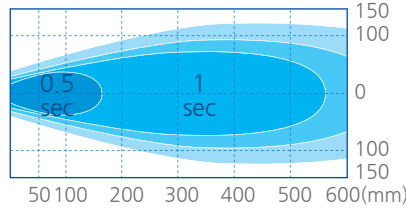
- Model : SPN-21C • Decay Time : $\pm 1,000V$ to $\pm 100V$
- Charge Plate Capacitance : 20pF(150 X 150 mm) / Temperature & Humidity : 24°C, 50%RH

Standard

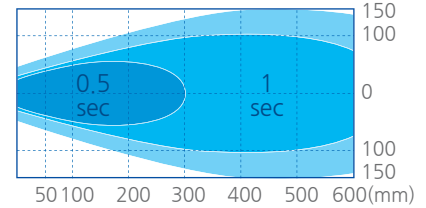
Air Pressure : 0.1MPa



Air Pressure : 0.3MPa

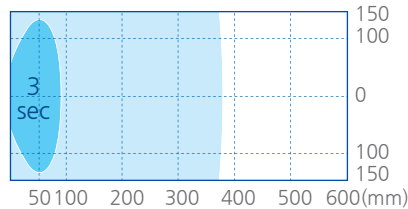


Air Pressure : 0.5MPa

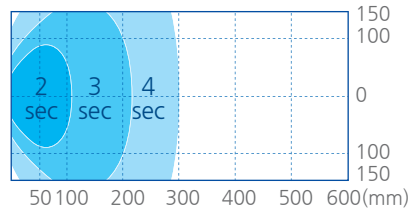


Option (Wide)

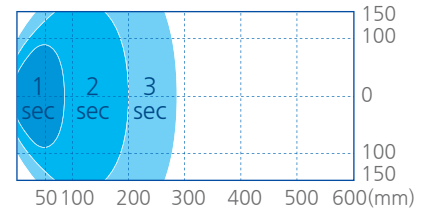
Air Pressure : 0.1MPa



Air Pressure : 0.3MPa

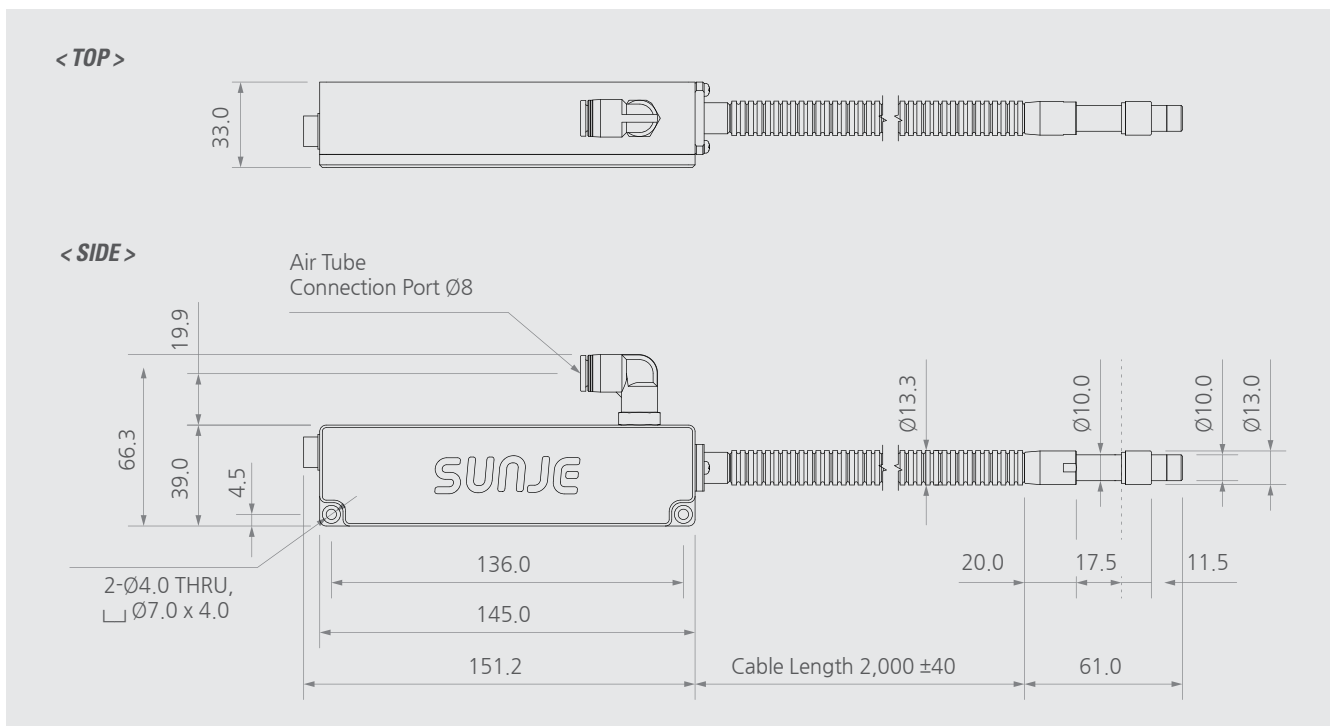


Air Pressure : 0.5MPa



Dimensions

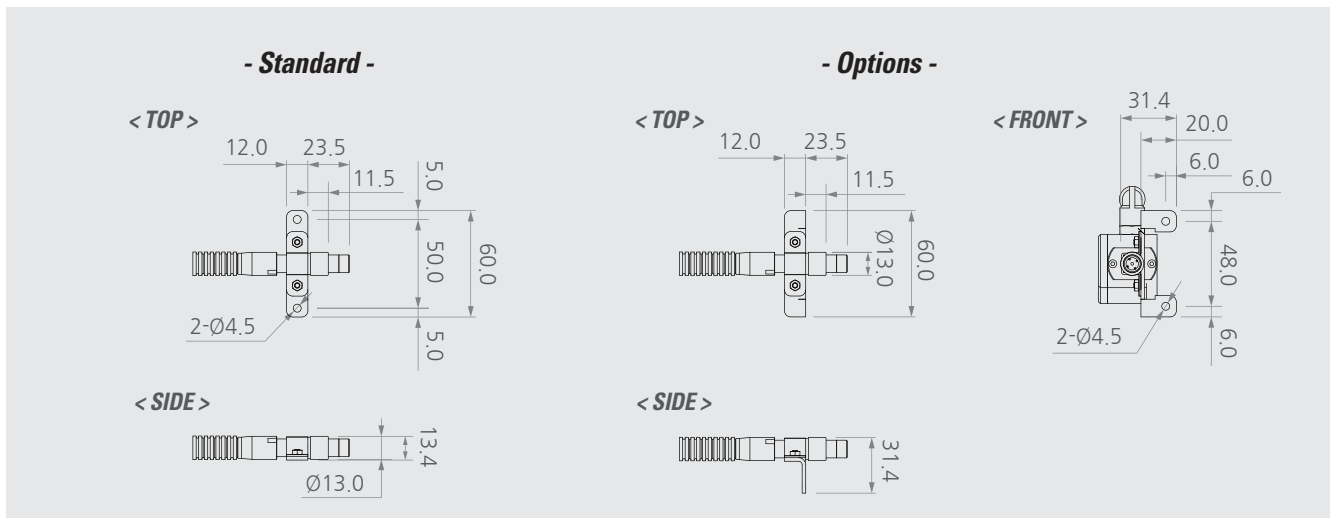
► SPN-21C (Ion Nozzle)



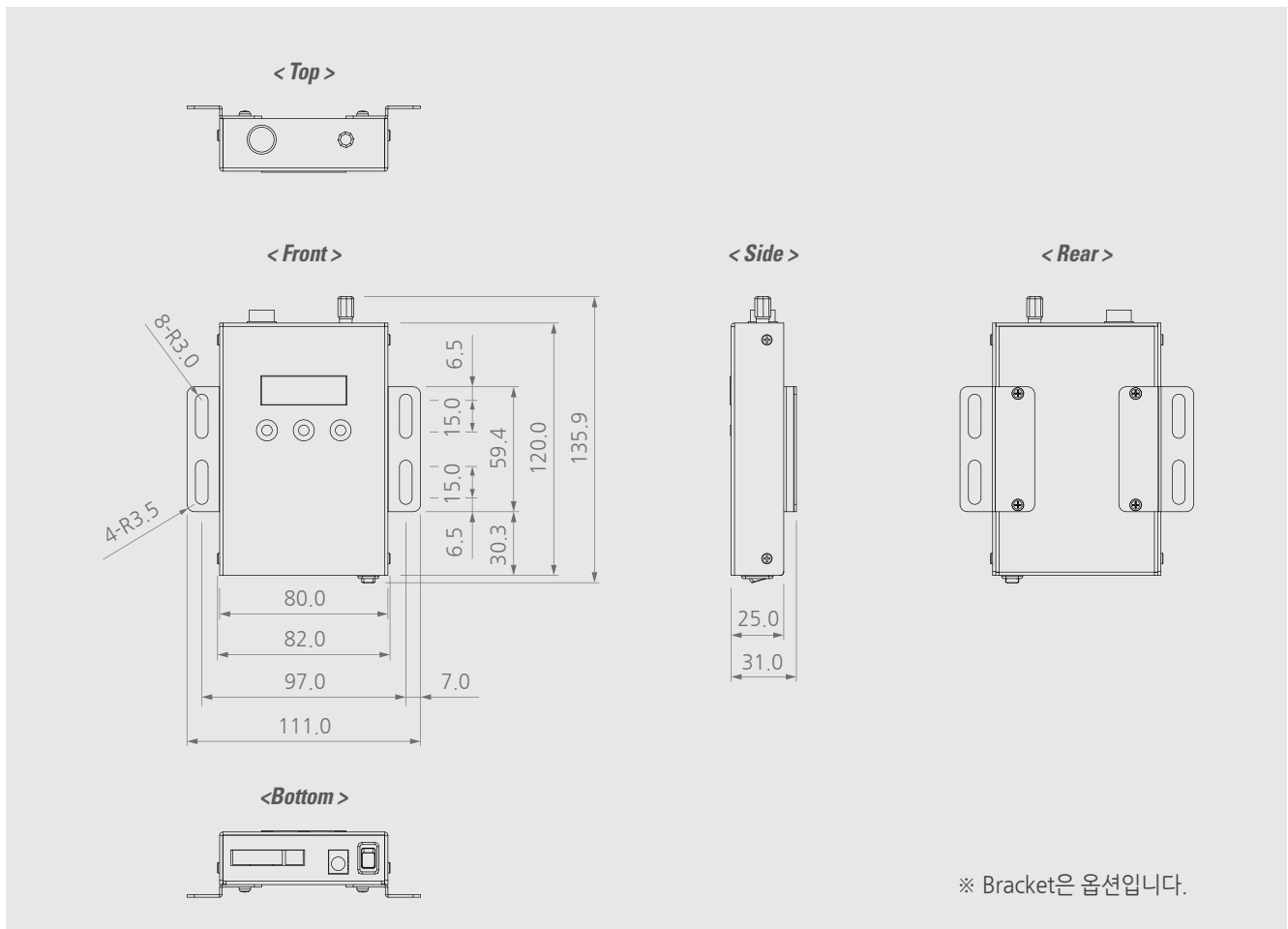
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▶ Bracket



▶ SNC-21 (Controller)



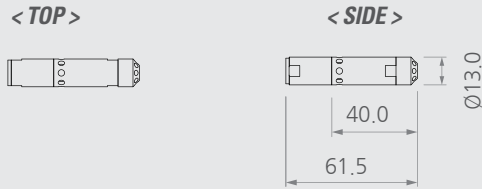
※ Bracket은 옵션입니다.

Ion Nozzle

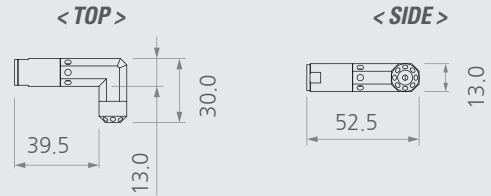
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► Nozzle (Options)

- SPN-21C-SW -



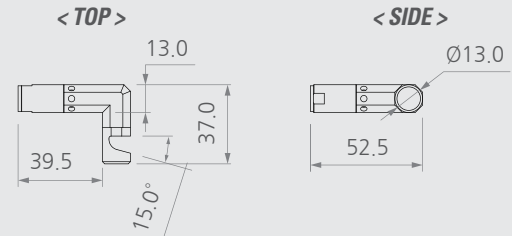
- SPN-21C-EW -



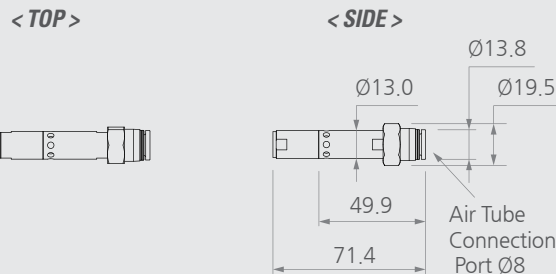
- SPN-21C-SF -



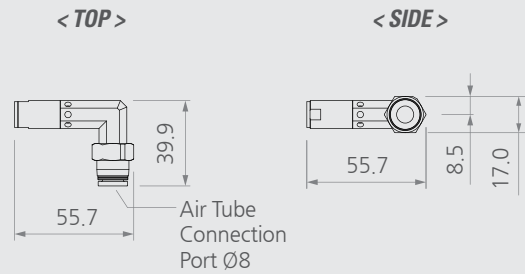
- SPN-21C-EF -



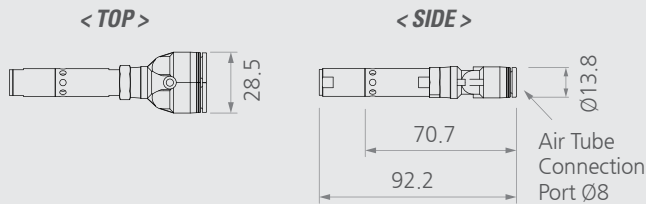
- SPN-21C-S1 -



- SPN-21C-E1 -



- SPN-21C-S2 -



- SPN-21C-E2 -

