

## Nozzle Type



### N-1

Ultra-compact slim body  
Rotary nozzle increases  
installation choices

Decay time 1.0 sec or less



### N-3

Operation status displayed on LED lamps  
Interchangeable nozzle increases  
suitable applications

Decay time 0.7 sec or less



1

LED indicators clearly  
indicate the operating status

The bright LED lamps show the operating  
state even when installing in dark systems.



2

Diverse lineup of optional nozzles  
support various applications

Use the optional shower nozzle or silent nozzle.



3

Daisy-chain the power cables to  
keep high-voltage cables inside  
and ensure safety

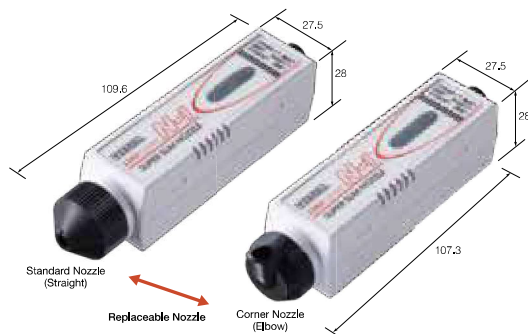
Power can be supplied to multiple units by  
daisy-chaining them. 24 VDC wiring enhances  
safe connection.



### Super Slim Nozzle-Type Ionizer

Super Compact Slim Body.  
A rotating nozzle enables to ionize anywhere

## N-1

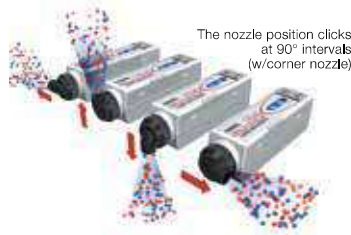


EDP No. 621639

High Voltage Transformer	Ion balance	Decay time	Directive
Piezoelectric high-frequency AC corona discharge	within $\pm 10V$	1.0 sec or less	CE RoHS

Power supply DC24V	Power supply: AIR/N2 max 0.6MPa	AC Adapter (Option)	Screw-type needle electrode	"ON" lamp	ALARM H.V.	External grounding terminal
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- ▶ Super slim and compact design enabling to be installed at any place for any direction. 27.5mmx28mm.
- ▶ Change the blow direction by turning the rotary corner nozzle.



The nozzle position clicks at 90° intervals (w/corner nozzle)



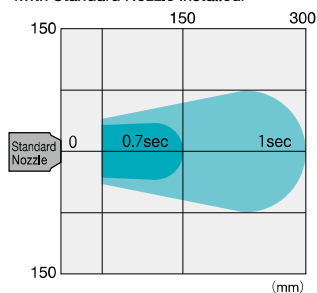
Alarm outputs and daisy chains possible.

#### Specifications

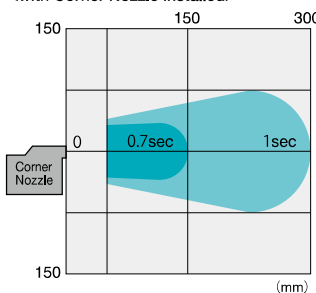
Model No.	N-1
Ionizing method/Applied voltage	Piezo high-frequency AC Corona discharge method/AC10kV (p-p)
Power supply and current consumption	DC24V $\pm 5\%$ / 100mA(max.)
Ion balance	within $\pm 10V$ (standard nozzle-0.3MPa, 150mm) (measured values)
Decay time	1.0 sec or less (standard nozzle-0.3MPa, 150mm) (measured values)
Operating range	50 mm to 600 mm
HxWxDmm	L109.6xW27.5xH28mm (with standard nozzle mounted)
Weight	80 g (with standard nozzle mounted)
Air supply hose diameter	tube fitting $\Phi 6$ mm
Operating fluid	Clean dry air (0.1MPa to 0.6MPa), nitrogen N <sub>2</sub> (0.1MPa to 0.6MPa)
Airflow	190 l/min(With standard nozzle mounted at 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	Standard Nozzle (included with device), Corner Nozzle

Decay area Air Pressure : 0.3MPa

<with Standard Nozzle installed>



<with Corner Nozzle installed>



#### Accessories



Standard Nozzle  
**N-1SN**  
EDP No. 806120

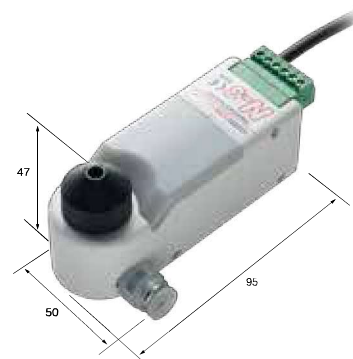


Corner Nozzle  
**N-1CN**  
EDP No. 806121

### Pinpoint Nozzle Ionizer

Featuring an LED indicator that communicates the device's operating status at a glance

## N-3



EDP No. 621654

High Voltage Transformer	Ion balance	Decay time	Directive
Piezoelectric high-frequency AC corona discharge	within $\pm 10V$	0.7 sec or less	CE RoHS

Power supply DC24V	Power supply: AIR/N2 max 0.6MPa	AC Adapter (Option)	Screw-type needle electrode	"ON" lamp	ALARM H.V.	External grounding terminal
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- ▶ Easy to wire with connector terminals.
- ▶ Diverse nozzles support various applications.



Standard Nozzle (included as accessory)

Flared Nozzle can be angled appropriately (not included as accessory)

Tube-fitting Nozzle provides connection with air tube. (not included as accessory)

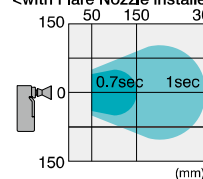
Alarm outputs and daisy chains.

#### Specifications

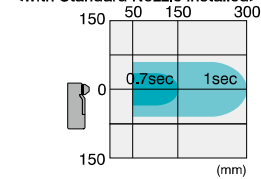
Model No.	N-3
Ionizing method/Applied voltage	Piezo high-frequency AC Corona discharge method/AC6kV (p-p)
Power supply and current consumption	DC24V $\pm 5\%$ / 90mA(max.)
Ion balance	$\pm 10V$ or less (at the time of factory shipment)
Decay time	0.7 sec or less ( $\pm 1000V \geq \pm 100V$ ) (at the time of factory shipment)
Operating range	50 mm to 600 mm
HxWxDmm	L95xW50xH47mm
Weight	104g (with standard nozzle mounted)
Air supply hose diameter	tube fitting $\Phi 6$ mm
Operating fluid	Clean dry air (0.1MPa to 0.6MPa), nitrogen N <sub>2</sub> (0.1MPa to 0.6MPa)
Airflow	170 l/min(With standard nozzle mounted at 0.3MPa)
Noise level	99.4 dBA(With standard nozzle mounted at 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	Standard Nozzle (included with device), Power supply harness

Decay area Air Pressure : 0.3MPa

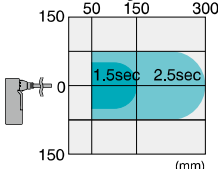
<with Flare Nozzle installed>



<with Standard Nozzle installed>



<Tube fitting Nozzle installed>  
(Tube 300mm long installed)



<Tube fitting Nozzle and Shower Tube installed>

