

Product Informations

Our Product Lineup

High Frequency Air Ionizer



- A wide variety of nozzle applications
- Easy maintenance
- Cleaning check [C.C] LED

Ultra-small-size Piezoelectric Transformer AC Ionizer
PIEZONIZER Zapp II

Outline view [↗](#)

Specification [↗](#)

• [about icons](#)



Feature of the product

-Highly reliable

Air joint with increased ozone resistance.

-Maintains safety

Newly-designed transformer box stops high voltage output when the emitter needle is being cleaned or changed.

-Better ozone resistant nozzles

Wide range of nozzle applications for better ozone resistance.

-Easy maintenance

The emitter needle can be easily removed and replaced through the back part of the transformer making for easy cleaning and replacement of the emitter needle.

-High voltage stop alarm

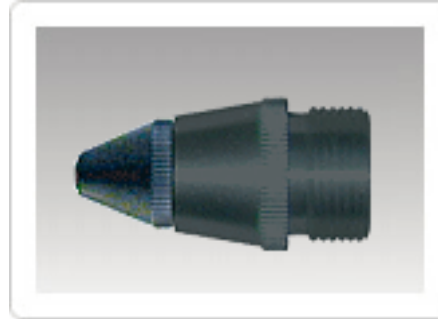
An alarm warning and two no voltage relays (normal open and normal close) indicate when there is a high voltage stoppage.

-Cleaning check [C.C]

An LED and a normal open no voltage relay warn of abnormal discharges from the emitter needle.



Power supply, signal cable
(standard accessories)



The OZ-S nozzle at the front is an option.



Replaceable Emitter unit

Additional new specific products

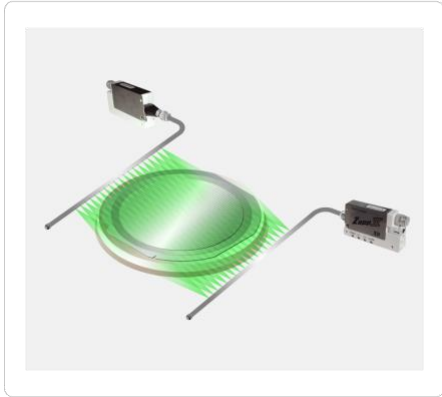
-High Volume air flow type(350L/min at 0.5MPa): ZappII-H

Other specifications are followed as ZappII standard.

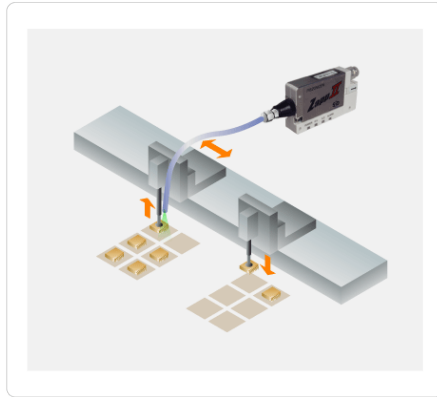
-Insulated type(in case it can't be grounded or for the machine that is not grounded with its frame to the earth grounding.): ZappII-U

Other specifications are followed as ZappII standard.

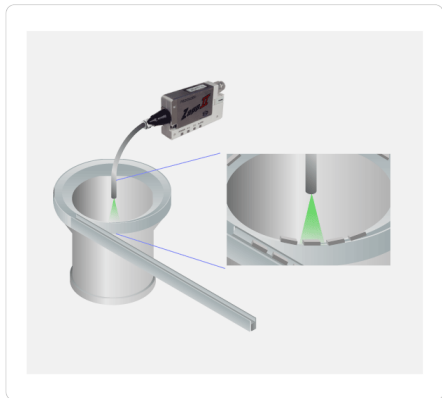
Application



Eliminating static at the wafer



Elimination of static from electronic components



Pinpoint ionizing of precision parts that are being fed by a parts feeder or similar device



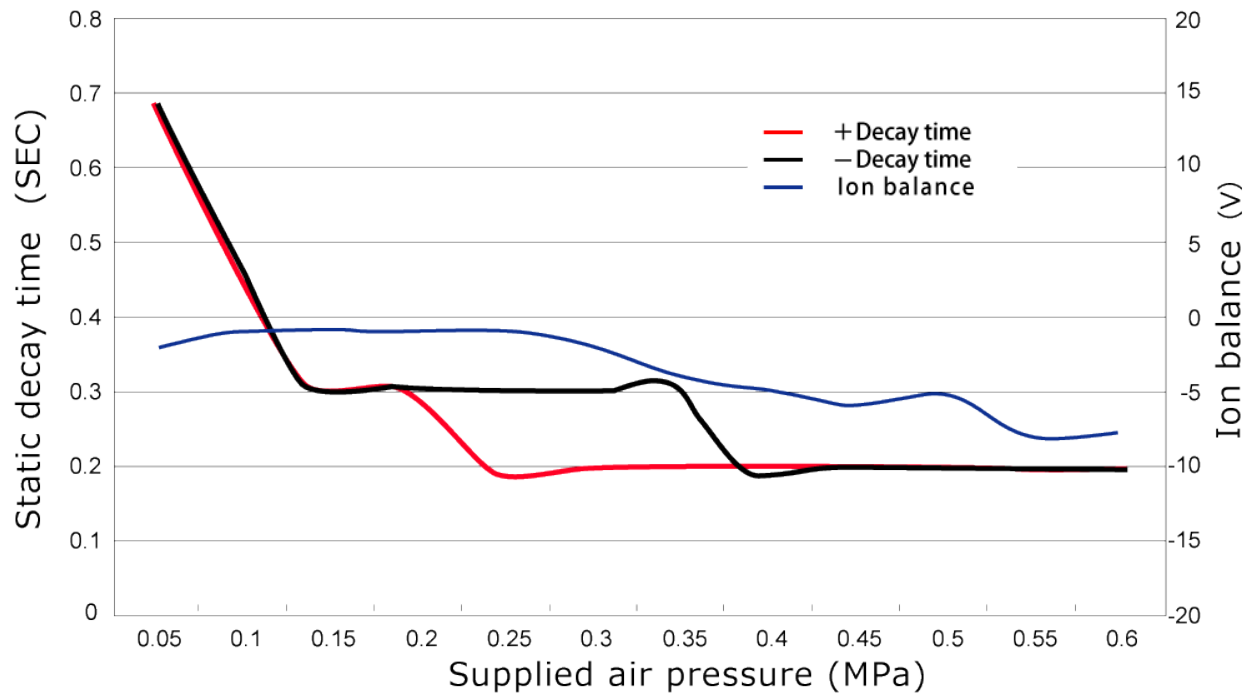
Elimination of static (and dust) from the inside of containers with a small diameter

Zapp II Options

Zapp II Options for Nitrogen use

Static Decay Characteristics and Ion Balance

Zapp II (STD) Static Decay Characteristics

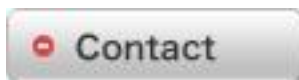


(Note 1) Using □150mm, 20pF charged plated monitor for measurements.

(Note 2) Static elimination time equals the decay time $\pm 1000V \rightarrow \pm 100V$.

(Note 3) Distance is measured 50mm from the plate monitor.

(Note 4) Using Shishido Electrostatic's standard nozzle OZ-S.



PIEZONIZER Zapp II	
Model	Zapp II
Input power supply	DC+24 V $\pm 10\%$
Electric consumption	2.4 VA
Air pressure	*1 Please check with below sheet
Airflow supply	30 ℓ / min to 160 ℓ /min
Ozone density	0.05ppm or less (air pressure input: 0.02 MPa, distance 300mm)
Guaranteed operating temperature	(stored at -10°C to 60°C)
Guaranteed operating humidity	From 65% or less with no condensation (stored at -90% or less with no condensation)
Main unit dimensions	87×18×50mm (W×H×D) not including protruding portion

Weight	78g
Accompanying items	Power supply cable(2.5m)

*1: The available air pressure range is different for each nozzle, please check with below sheet.

OZ-S	0.05 to 0.60 MPa	OZ-C100 to C500	0.05 to 0.50 MPa
OZ-TT	0.05 to 0.50 MPa	OZ-ST	0.05 to 0.30 MPa
OZ-100B to 300B	0.05 to 0.60 MPa	OZ-60S II	0.05 to 0.60 MPa
OZ-100BLF to 200BLF	0.05 to 0.60 MPa	OZ-F	0.05 to 0.60 MPa
OZ-PSP120	0.05 to 0.50 MPa	OZII-SC	0.05 to 0.60 MPa
OZII-90S	0.05 to 0.60 MPa		