Tronovo | IONIZING NOZZLE TYPE

DN251 DN252

Ultra-HF Ionizing nozzle

TECHNOLOGY	BALANCE	DECAY
High-freq AC	±10V	⩽0.6S

The ultra-small design aims at the workpiece in tight locations to remove dust and contaminants while eliminating static electricity. There are a wide variety of nozzles, so you can choose according to your application. By using a high-frequency AC method, an extremely stable ion balance is achieved. Since the ion balance is not affected by the supply air pressure and the installation distance, there is no need to perform cumbersome adjustments after installation.

Featured Functions

- High-frequency AC ionization technology
  Extremely stable ionic balance
- Ultra-compact design
  It can be easily assembled into the inside of the device
- There is a wide variety of nozzles
  Different types can be selected according to the application
- Easy to maintain
  The ion needles can be easily removed and cleaned
- Signal input/output function
  Automate connectivity with IO communication
- Reassuring safety design
  24V DC power supply, no need for high-voltage cables
- Operating status indicator
  Real-time display of operating status and ion anomalies

Feature comparison table

Model	DN251	DN252
Voltage	24VDC±5%	
Current	0.3A or less	
Discharge	0.6 sec @ 15cm (supply air pressure 0.6 Mpa)	
Balance	⩽ |±10V| (AVE)	
Air pressure	0.15～0.7MPa	
Air temperature	0 to +50°C	
Connecting	Outer diameter ø6, inner diameter ø4	
Ozone	⩽0.03ppm @ 30cm	
I/O interface	–	Yes
Environment	0~+55°C (note no condensation), 35~65%RH	
Dimensions	33×110×20.8mm / Approx. 120g	
Warranty	One-year	

There is a wide range of nozzles

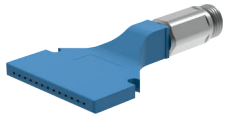
Diffusion wind air nozzles
NO.TN-SN02

Plastic Round air nozzles
NO.TN-SN05

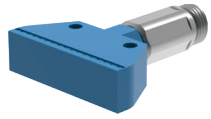
Plug connector air nozzles
NO.TN-SN03

Point Pattern Adjustable Air Nozzles
NO.TN-SN04

Flat Air Nozzles
NO.TN-SN06

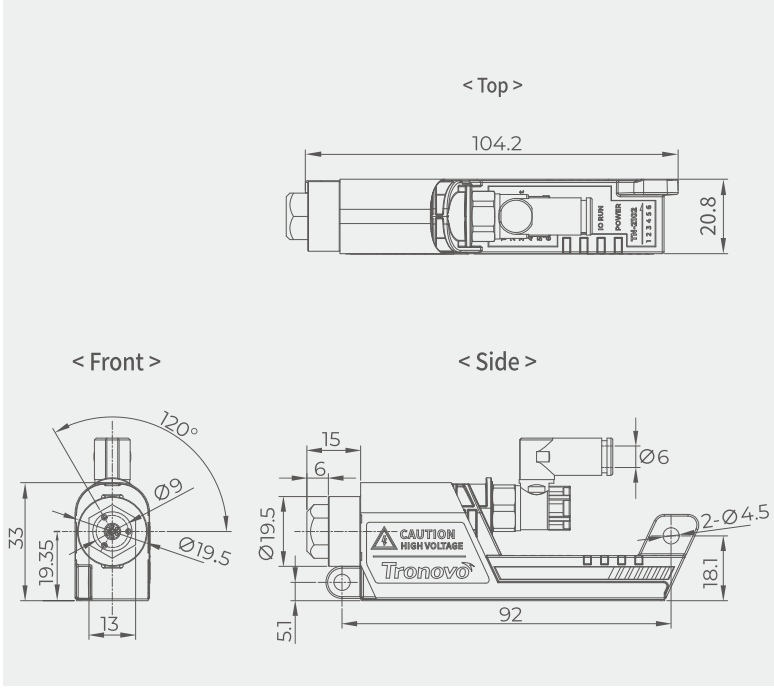


90 Degree Air Nozzles
NO.TN-SN07



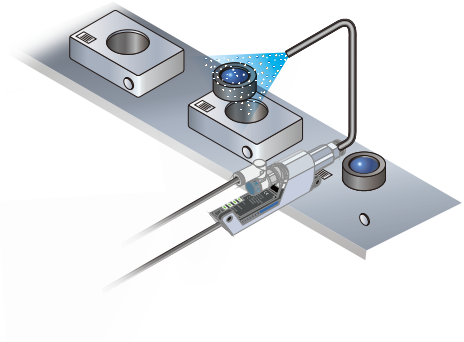
Stick type side blow nozzle
NO.TN-SN08

Rod side blow nozzle + bendable hose
NO.TN-SN09



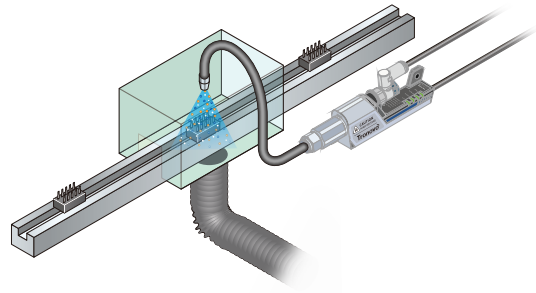
Dust removal when assembling the lens

It can release a large flow of ionized air, which can be used to remove dust and garbage attached to the lens locally, and to improve optical defects.



Electrostatic precipitation of connectors

For the assembly process of parts with contacts, such as connectors and switches, it is best to remove dust by ionizing air. Strong ionizing air can be used to peel off foreign matter and prevent re-adhesion.



Prevents adhesion to perforated molds

It is possible to eliminate local static electricity in the gap between the processing machine and the film, and to prevent process defects such as film clogging and adhesion by blowing ionized air.