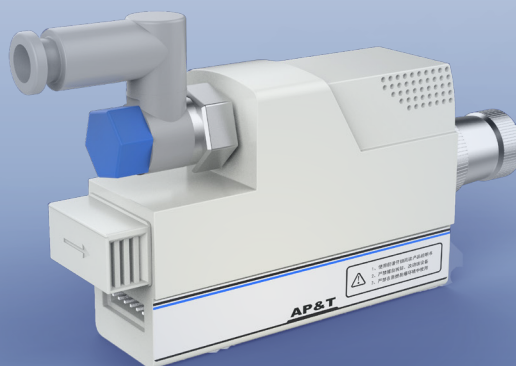
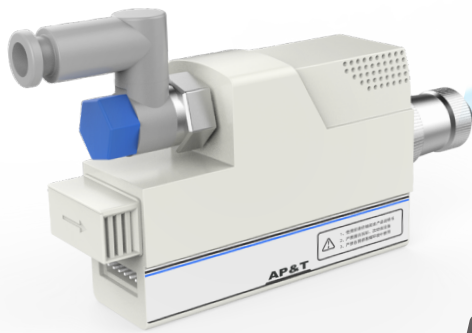


High Performance Ionizing Air Nozzle

AP-DC3203





Partially static removal

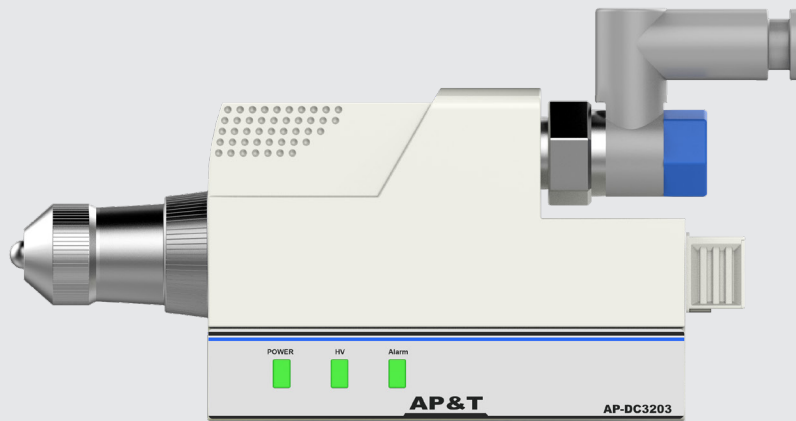
Completely dust removal

Static removal& Dust removal

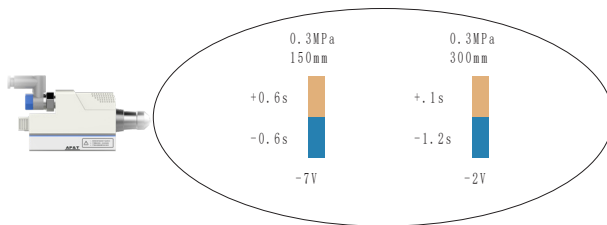
A close-up, slightly blurred photograph of an industrial machine, likely a precision manufacturing or assembly tool. The machine features various components including a cylindrical metal part on the left, a white plastic housing with a label 'NO: Q1230' in the center, and various cables and connectors. The background is a light, neutral color.

Industry Application:

Precision electronics
Pharmaceutical manufacturing
Semiconductor production
and other industries.



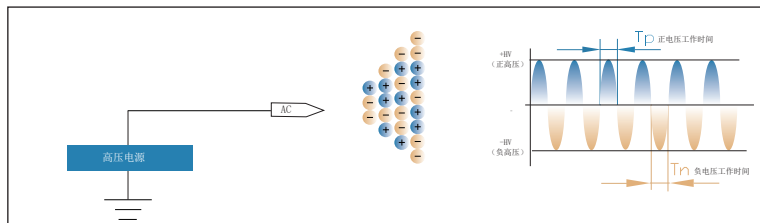
Discharge effect



Test standard: ANSI/ESD.STM3.1, SJ/T 11446—2013
 Test instrument: Trek157 static tester
 Test voltage: $\pm 1000\text{V} \rightarrow \pm 100\text{V}$ attenuation
 Test environment: humidity $50 \pm 5\%$; temperature $23 \pm 3^\circ\text{C}$

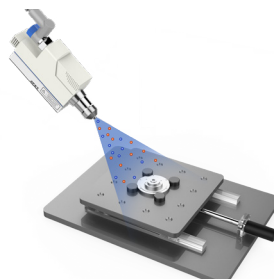
Working way

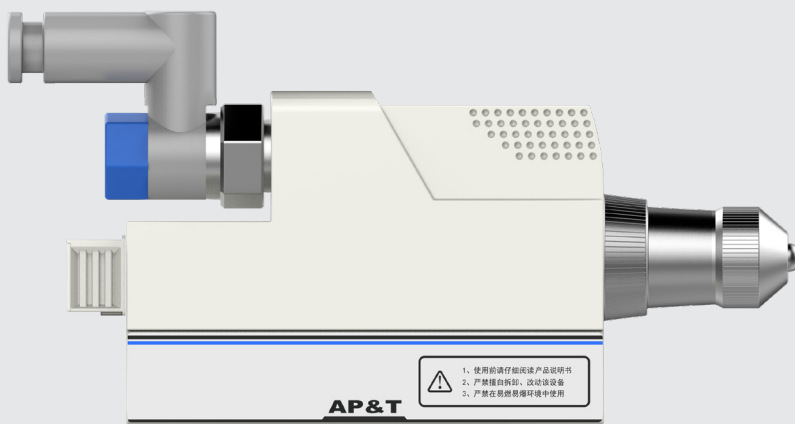
AP-DC3203 ionizing air nozzle adopts high-frequency AC mode, which uses compressed air to eject positive and negative ions from the nozzle. With excellent ion balance, it can remove static electricity from point to surface.



Industry applications

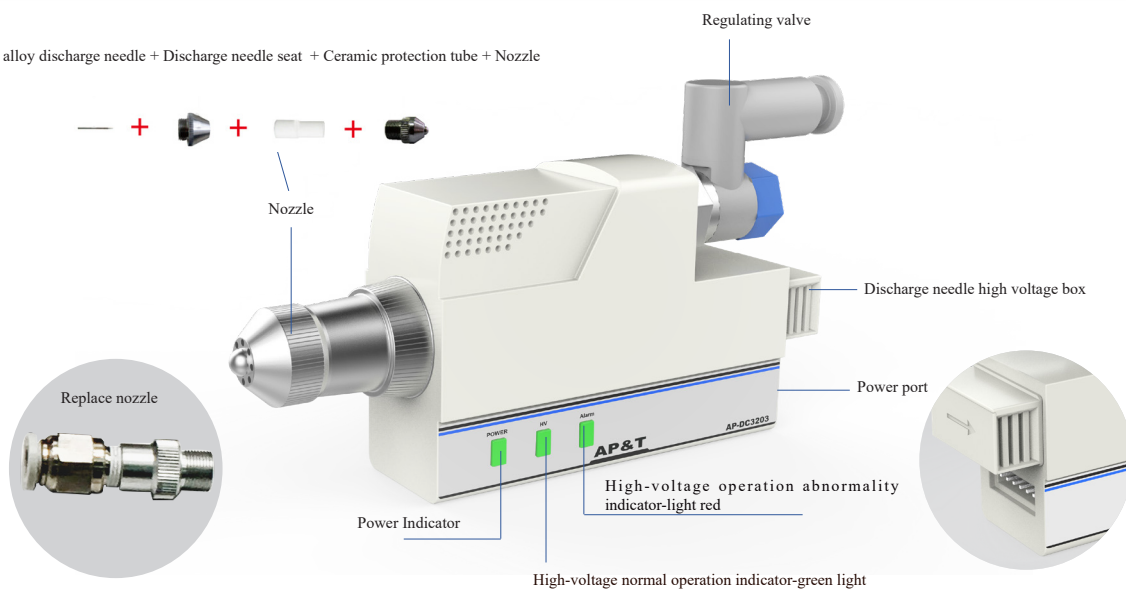
Widely used in precision electronics, pharmaceutical manufacturing, semiconductor production and other industries.





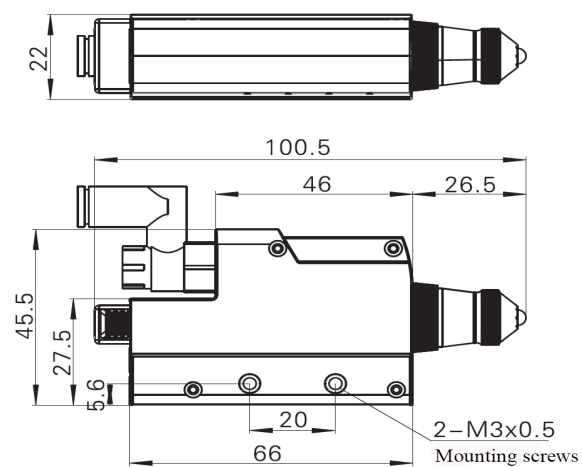
Product details

Tungsten alloy discharge needle + Discharge needle seat + Ceramic protection tube + Nozzle



Product size chart

Unit : mm

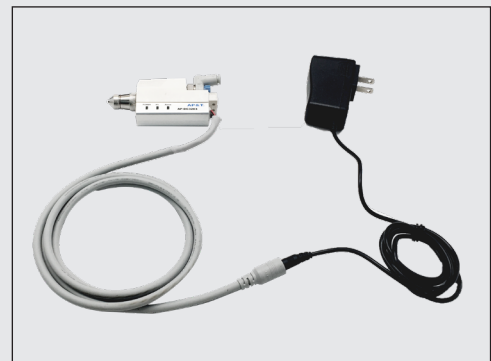


Product parameters

Model	AP-DC3203
Input voltage	DC24V
Working Voltage	High frequency AC2200V
Current	500mA
Power	12W
Working distance	150-300mm
Discharge speed	< 1.0s (150mm from the front of the wind nozzle)
Ion balance	$\leq \pm 15$ (150mm from the front of the tuyere)
Working temperature	0-40°C
Working humidity	30-70%RH (no water drop condensation)
Air pressure	0.1-0.6MPa
Ion emission	High frequency AC
Ozone content	< 0.03ppm
Adapter power	IN: AC100V—240V 50Hz/60Hz; OUT: DC24V 0.5A
Air source connector	Φ6mm
Use media	Clean compressed air
Noise	<100db (150mm from the front of the air nozzle, air pressure 0.1MPa)
Dimensions (L*W*H)	Nozzle: 104.5*56.5*22mm
	Different types of nozzles, the size will be slightly different
	Power adapter: 74.2*29.5*62.2mm
Net weight	Power adapter power cord length: 1.5m
	Nozzle: 90g
	Adapter power: 69.3g
Gross weight	Power cable: 73.3g
	449.2 g

Installation steps

1. Before use, insert the Φ6mm compressed gas hose into the air connector jack with throttle valve at the rear of the air nozzle, which cannot be pulled out.
2. Insert the 6P plug of the 6P to DC power cable into the tuyere 6P socket, the power adapter aviation plug into the 6P to DC power cable DC jack, and then insert the power adapter into the AC 220V or 110V power socket.
3. Adjust the gas joint throttle valve, the gas pressure should be ≤ 0.6 MPa, the best gas pressure is 0.3MPa.
4. After the power is turned on, ionized gas is ejected from the nozzle of the nozzle. Observe that the green power indicator of the nozzle is on, then the nozzle is working normally and the static electricity removal operation is performed.
5. The air outlet of the ion air nozzle is vertically aligned with the surface of the static-eliminated object, preferably about 150mm-300mm apart.
6. The compressed air used should be dry and clean.



AP&T®

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