

AP&T®

DJ28 Ionizing Air Blower Series

Product description

Suitable for different production environments



■ AP-DJ2801



■ AP-DJ2802

■ AP-DJ2803

■ AP-DJ2804

Cleaning time /Air volume output adjustable



Cleaning time setting

Set a reminder for the cleaning time at will. When the blue light flashes, it means ionizing air blower needs cleaning. When using ionizing air blower, the electrode needle cleaning cycle is set according to the working environment. Cleaning cycle should be shorten appropriately in environment with more moisture and dust.

Air volume output adjustable

There are five air volume options on the ionizing air blower. Adjust the air volume according to the installation distance of the static eliminator and the status of the target object.

Unlock

30s delay for operation if any key is pressed after unlocking.
Exit and lock if no key is pressed after unlocking.

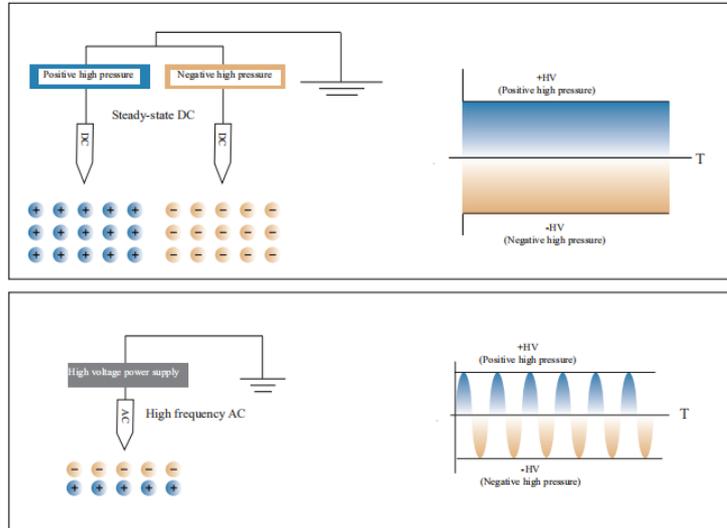
Remote control button

FR/S: run and pause.
FS+/FS-: Air volume adjustment: Order from high to low is 1,2,3,4,5.
T+/T-: cleaning time adjustment, the unit is H.
CAL+"RES": Restore factory settings.

DC VS High frequency AC

DC is a method to generate two polar ions by applying "+" and "-" high voltage to two electrode needles. The utilization rate of ion generation is high, the external electromagnetic interference is small and the pollution degree of the particulate matter in the purification environment is small.

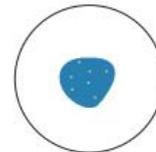
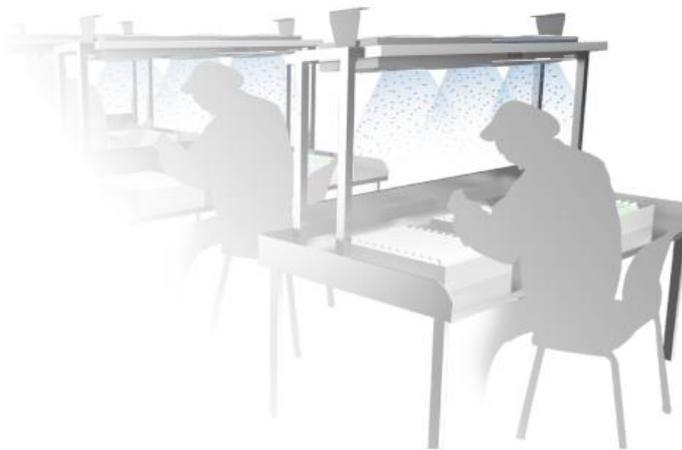
Now many ionizing air blowers in the market use high-frequency AC. Due to the low discharge voltage and weak electric field, the dust resistance is poor, which is easy to cause corona occlusion and unable to eliminate electricity.



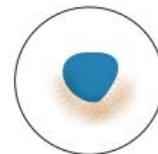
Widely used in electronics, optoelectronics,
semiconductor and other industries



Static removal



Prevent adhesion of objects



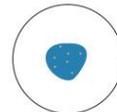
Prevent material splash

Application

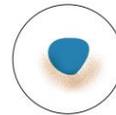
Widely used in electronics, optoelectronics, semiconductor and other industries



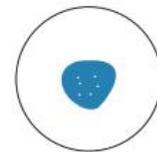
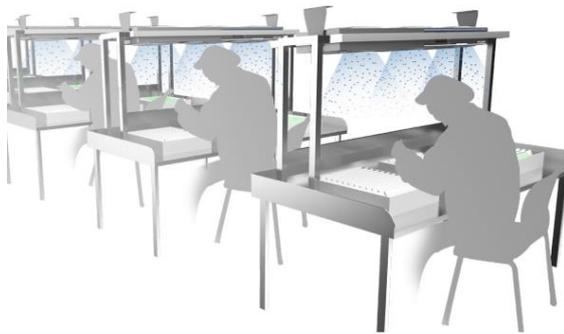
Static removal



Prevent adhesion of objects



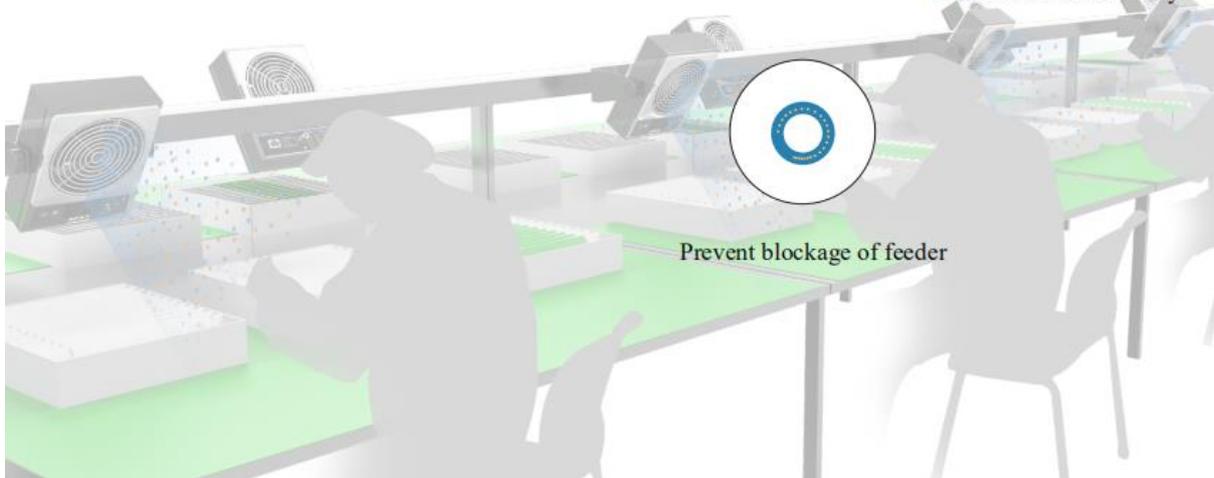
Prevent material splash



Prevent static electricity



Prevent blockage of feeder



Feature

Safe / Easy to use / Durable



No.1

Modular structure

Simplify maintenance job. The net cover can be easily removed to facilitate disassembly and assembly.

No.2

4 Electrode needles

4 tungsten needle electrode needles, longer service life;
High speed 7-blade fan with larger ion air volume.



High air flow: Ionizing air power is working normally;
Blue light flashing: Dischargeing reduced;
Abnormal high voltage

Red light alarm: Ionizing air power break down or

Visualization of working status

No.3





No.5

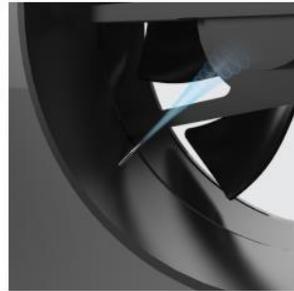
With LED display

Can display equipment address / wind speed gear / cleaning cycle.

No.6

Standard tungsten alloy needle

Tungsten alloy has a longer service life compared with titanium and silicon materials.

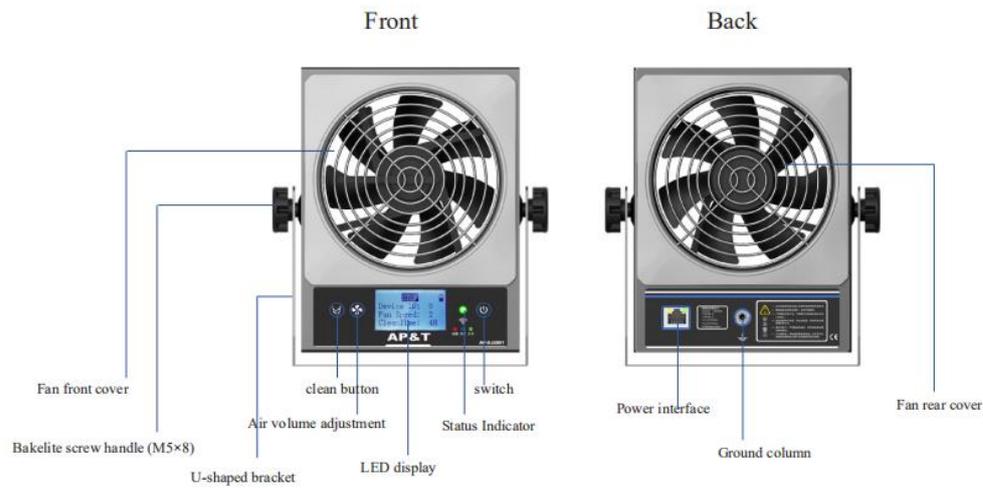


Specification

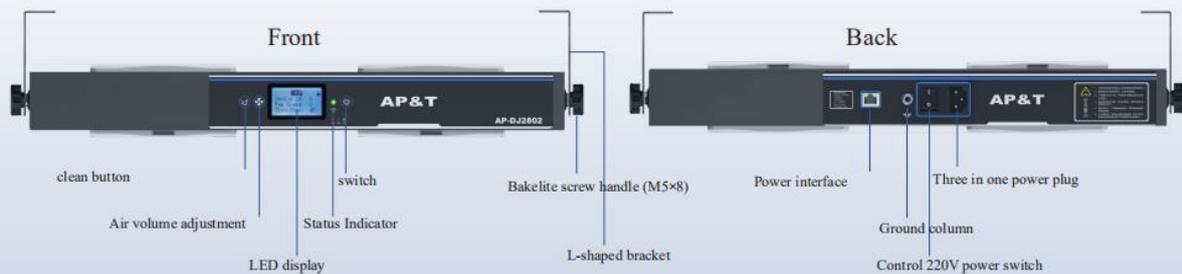
Model	AP-DJ2801	AP-DJ2802	AP-DJ2803	AP-DJ2804
Input voltage	DC 24V (RJ45 interface)	DC 24V (RJ45 interface) / Three in one socket (220VAC 50/60Hz)		
Input Current	< 0.45A DC	< 0.15A AC	< 0.2A AC	< 0.25AAC
Output voltage	DC±4.5KV→±5.5KV			
Power	< 12W	< 33W	< 44W	< 55W
Ion emission	DC			
Emitter electrode	Tungsten alloy			
Discharge range	750*300mm (L*W)	750*550mm (L*W)	750*800mm (L*W)	750*1050mm (L*W)
Air volume	≤93CFM*1	≤93CFM*2	≤93CFM*3	≤93CFM*4
Noise	Single air outlet≤45dBA (1000mm away from the air outlet)			
Ozone thickness	≤0.05ppm (150mm away from the air outlet)			
Ion balance	≤ ±10V	≤ ±15V		
Discharge speed	≤2.0S (300mm away from the air outlet)	≤2.5S (450mm directly below the air outlet)		
Alarm indication	Power on/clean operation—blue light flashes;			
	Normal work—green light (always in monitoring state);			
	Fan alarm—red light is always on;			
	High voltage abnormality—red light flashes;			
	Blue light flashes during infrared debugging			
Communication method	RS485			
Working temperature	0°C-50°C			
Working humidity	< 70%RH			
Dimensions	178*67.6*194.5mm	553*154*114mm	803*154*114mm	1053*154*114mm
Blower material	Aluminum powder spraying			
Packaging accessories	1 pair of U-shape iron powder spraying mounting brackets, 1 pair of bakelite screw handles (M5×8)	1 pair of L-shape iron powder spraying mounting brackets, 1 pair of bakelite screw handles (M5×8)		
Adapter power	Input : AC100—240V 50/60Hz;			
	Output : DC24V 2A (dual RJ45 interface)			

Installation

DJ2801



DJ2802/2803/2804

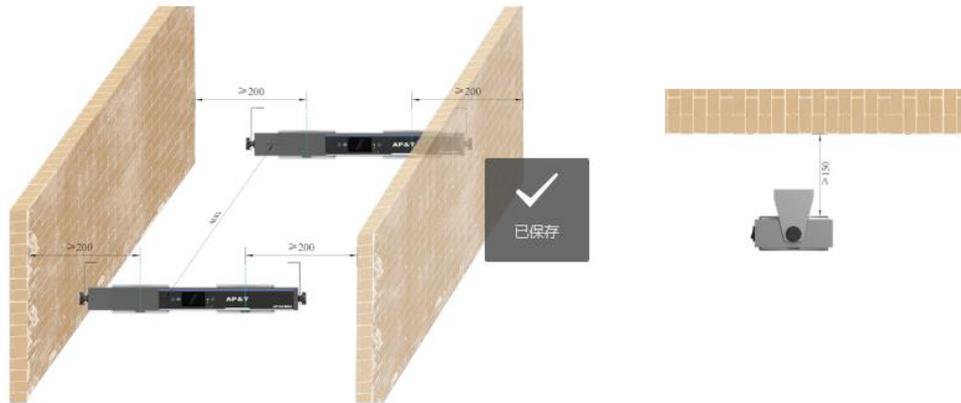


DJ2801



Installation steps

1. Install ionizing air blower and the matching power adapter firmly in the best discharge position.
2. Insert the circular plug of the power cord of the adapter into the power socket of the ion fan and the three-core power socket into the row socket.
3. Ionizing air blower will automatically brush the needle after starting and the fan works normally when the indicator light is green.



Installation tips

1. Place the ionizing air blower in the working area where static electricity to be eliminated and the installation angle should be perpendicular to the surface of the charged body.
2. Ionizing air blower should be at least 300mm away from the metal conductor and metal grounding body.
Ionizing air blower must be reliably connected to the ground wire.
3. Two ionizing air blowers should be installed side by side with an interval of more than 400mm and more than 200mm away from obstacles such as walls.
4. The air inlet is at least 150mm away from the wall and the bracket installation angle can be manually adjusted.