

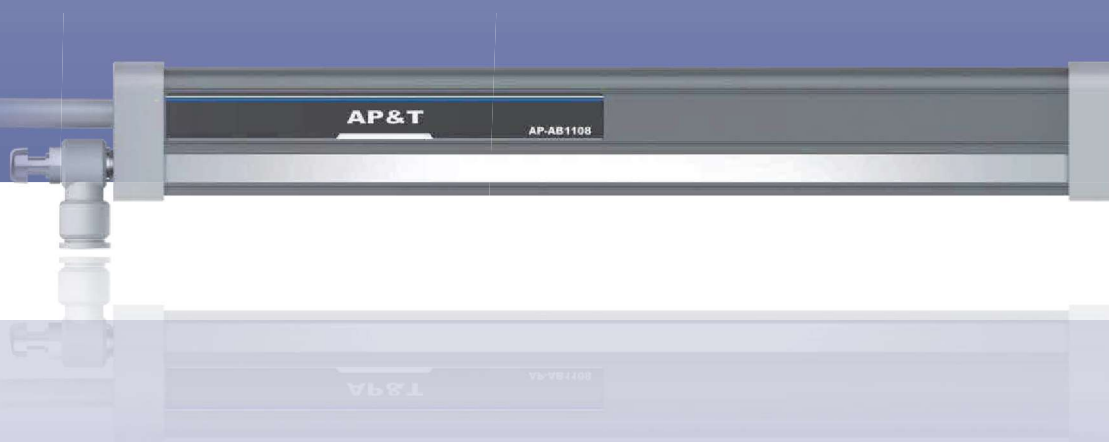
AP&T®

Shanghai Anping Static Technology Co.,Ltd

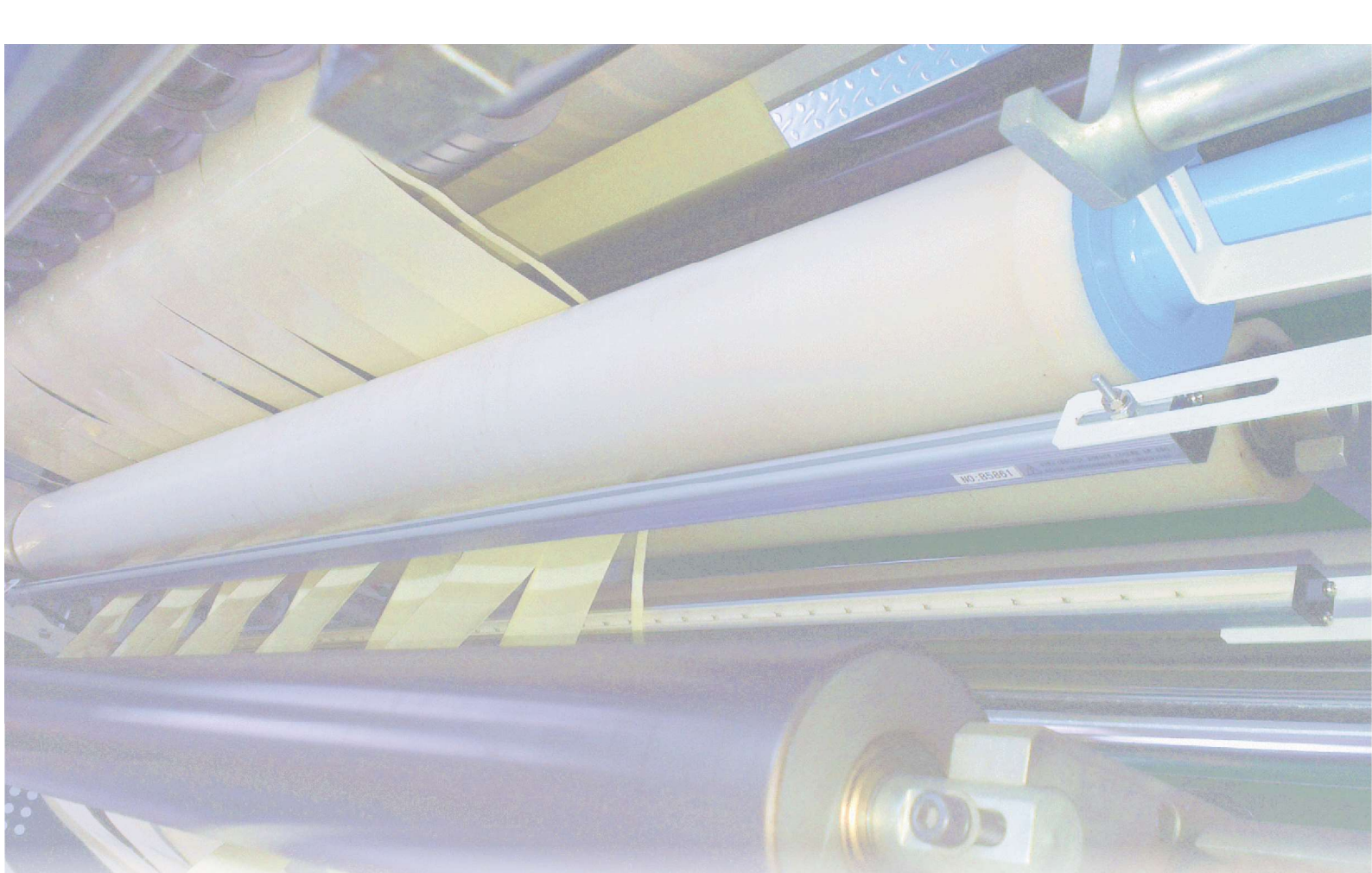
High Efficiency Electroshock-proof

AC Ion Bar

AP-AB1108



—AP&T—



Widely used in film, plastic, printing, textile and other industries.

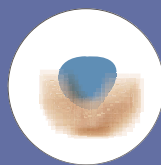
Effectively solve the problem caused by static electricity



Static removal



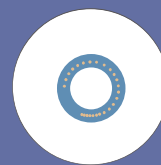
Prevent adhesion of objects



Prevent sticking



Control ink splashing



Prevent uneven scattering



High efficient



Safe



Static removal

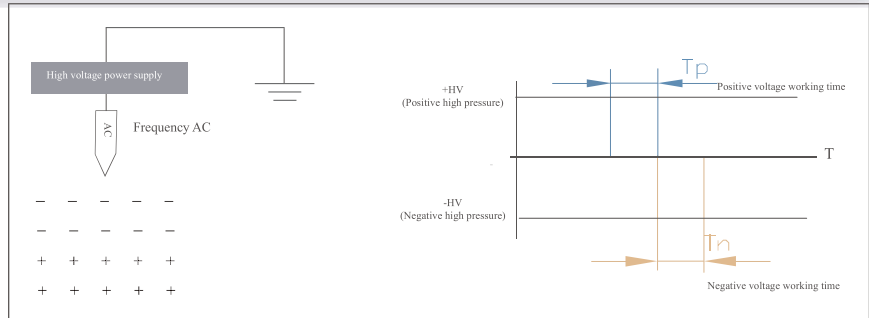


Efficiently static removal

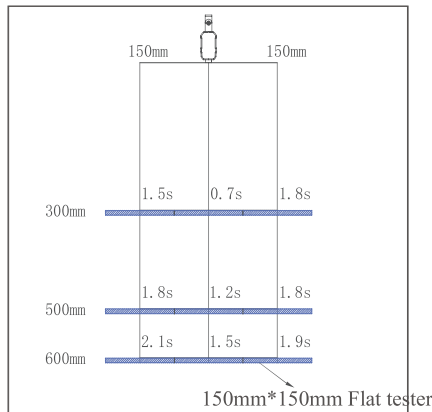
Stay away from static electricity & for clean production environment

Power frequency AC working way

Ion bar adopts frequency AC high voltage and acts on the dedicated emitter electrode through impedance coupling devices to ionize air molecules to generate positive and negative ions and transport them to the surface of the object to be eliminated to neutralize positive and negative electrostatic charges to achieve efficient and reliable static elimination.



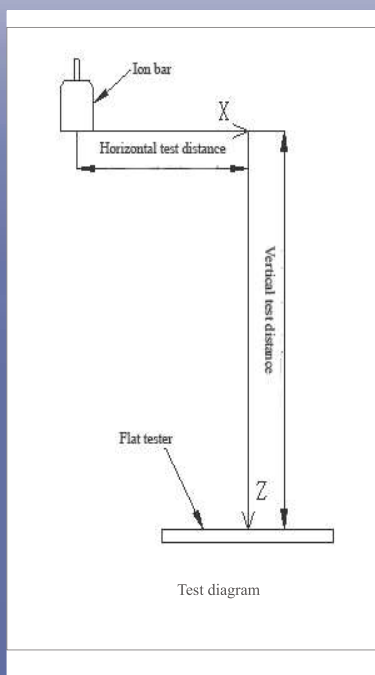
Discharge speed



Test Conditions: Ion bar length: 500mm
Air pressure: 0.4Mpa

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

Test data under other conditions are as follows



Ion bar length: 500mm;		Air flow pressure (MPa) Remarks: 1*	Discharge speed				
Test distance (mm)	Vertical		Level	Positive discharge time (S)	Negative discharge time (S)	Ion Balance voltage (V)	
300	-150	0.2	0.2	2.7	2.8	22.8	
				0	1.5	1.4	27.8
				+150	2.1	2.0	25.8
	-150	0.4	0.4	1.5	1.5	24.3	
				0	0.7	0.6	28.9
				+150	1.8	1.8	18.4
	-150	0.6	0.6	1.1	1.0	20	
				0	0.6	0.5	32.5
				+150	1.3	1.2	20.8
500	-150	0.2	0.2	3.8	3.7	18.7	
				0	1.9	2.1	18.8
				+150	3.2	3.2	16.8
	-150	0.4	0.4	1.8	1.8	25.1	
				0	1.1	1.2	22.9
				+150	1.7	1.8	19.1
	-150	0.6	0.6	1.3	1.3	29.2	
				0	0.8	0.9	25.9
				+150	1.3	1.2	21.8
600	-150	0.2	0.2	4.5	4.2	8.1	
				0	2.4	3.0	10.3
				+150	3.2	3.4	8.1
	-150	0.4	0.4	1.9	2.1	10.1	
				0	1.3	1.5	13.0
				+150	1.6	1.9	10.4
	-150	0.6	0.6	1.3	1.5	12.1	
				0	0.9	1.0	16.6
				+150	1.1	1.3	13.1

Remarks: 1*—Real-time pressure value during gas flow.

Features

Safe / Easy to use / Durable



No.1

Electroshock-proof

Protection against electroshock.

No.2

Esay to installate

Put the M5×20 hexagonal mounting bolts into the special strip notch on the back of the rod body. The mounting bolts are removable and can be easily installed in different environments.



No.3

CE certification

It can effectively prevent the external electromagnetic interference from affecting the normal operation of the ion bar. This is a static electricity eliminator with high safety and high reliability.



No.4

Intake throttle

The specification is $\Phi 8$ -G1/8 grey.



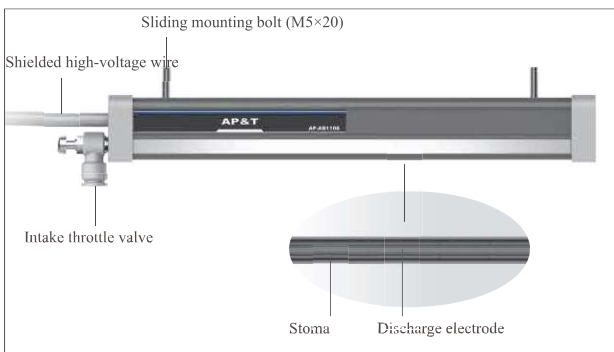
Specification

Details / Parameter / Size

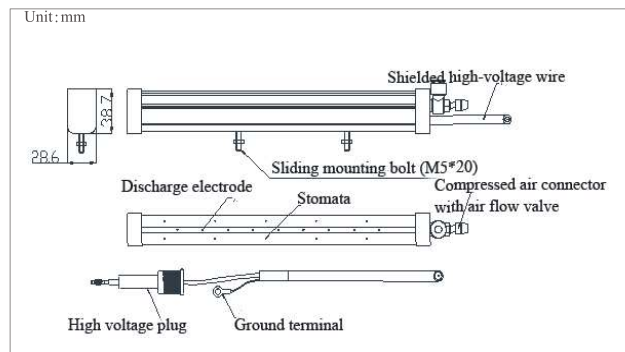
Product Parameter

Model	AP-AB1108
Working voltage	one bar length < 1m or two bars length < 1m: AC5600V one bar length ≥ 1m or two bars length ≥ 1m: AC7000V
Power	20W
Ion emission	Power frequency AC
Emitter electrode	Tungsten
Discharge structure	Resistance coupling
Discharge range	L*W*H (150mm→3000mm) *300mm*600mm
Installation distance	100→600mm
Discharge speed	≤2.5S (Working distance:300mm, air pressure:0.3MPa)
Ion balance	≤±150V (AVG)
Air pressure	≤0.6MPa
Compressed air connector	Φ8-G1/8 Grey
Working temperature	0 C - 50 C
Working humidity	< 70%
Dimensions	L*W*H (150mm→3000mm) *28.6mm*38.7mm
Bar material	Flame retardant PVC, SUS
Packaging accessories	M5×20 hexagonal mounting bolts
Power supply	AP-AY1506 : one bar length < 1m; AP-AY2506 : two bars length < 1m AP-AY1504 : one bar length ≥ 1m; AP-AY2504 : two bars length ≥ 1m
Power cord	2.5m (Can be customized according to requirements, Max size is 10m)
Certification	CE

Product Details



Product Size

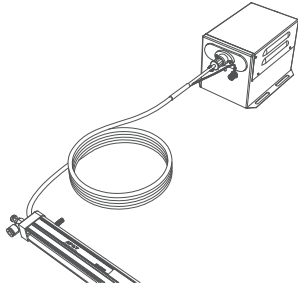


Use of the product

Installation step / Installation position /
Packaging accessories

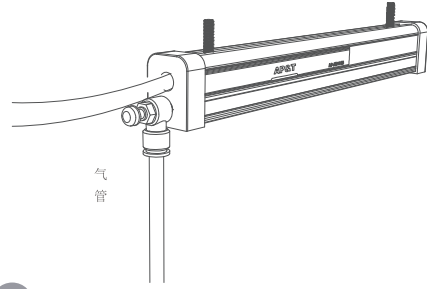
Installation step

1



1. Firmly install bar body and matching high-voltage power supply in the best discharging position.
2. Insert the high-voltage plug of bar body into the matching high-voltage power supply high-voltage output connection seat.

2



4. Connect the compressed air connector on bar body to the compressed air generating device.
5. Turn on the power switch to adjust the pressure of the compressed air so that the positive and negative air ions generated at the electrode needle neutralize

Supporting power supply

1 for 1 ion bar connect



AP-AY1504

1 for 2 ion bars connect



AP-AY2504



AP-AY1506

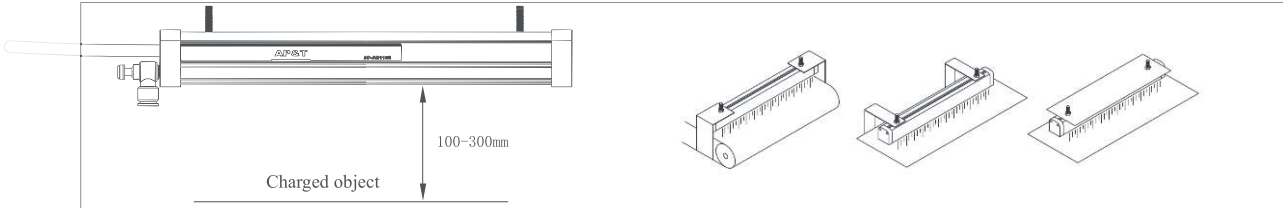


AP-AY2506

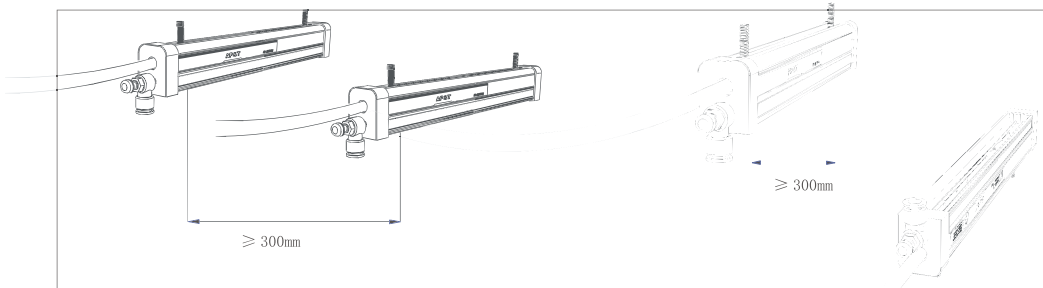


Installation position

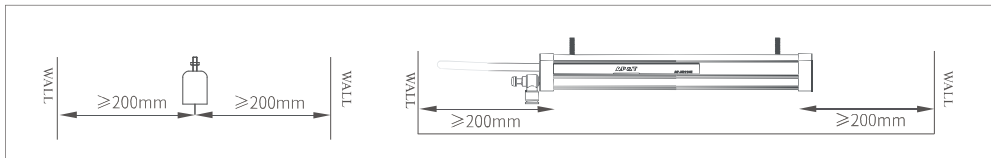
1. Ion bar should be placed in the working area where static electricity is to be eliminated.
(It's better to be about 100~300mm away from the surface of the static discharge object) The installation angle should be perpendicular to the surface of the discharged body.



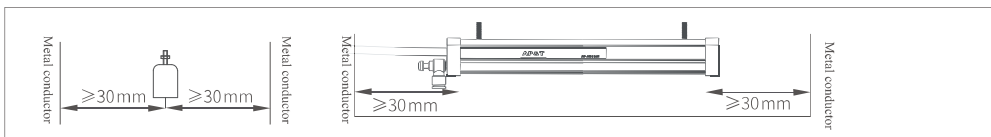
2. The ion bar grounding electrode is not allowed to be covered by other objects.
3. It is advisable to install two ion bars side by side with an interval of more than 300mm. Two ion bars should be staggered by more than 300mm if they are to be installed face to face.






4. It is advisable to be more than 200mm away from obstacles such as walls.



5. Ion bar should be at least 30mm away from the metal conductor and metal grounding body. The bar body must be reliably connected to the grounding wire and the grounding resistance is less than 4 ohms.



Packaging accessories

Name	Image	Part No.	Specification	Quantity
Galvanized Hexagon Bolt		1SL00520X	M5*20 mounting bolt	2pcs, length of ion bar can be customized
National standard power cord		8YXG25110	Standard 1.8m, optional 3m/5m	1
Intake throttle valve		3JTQF0801	Standard $\phi 8\text{mm}$, optional $\phi 6\text{mm}$	1