

BFN-B131-L Pulsed AC Ionizing Bar

The BFN-B131-L Pulsed AC Ionizing Bar Utilizes Tungsten Electrodes. By Alternately Applying Positive And Negative DC High Voltage To The Coupled Electrode Needles, The DC High Voltage Source Uses An AC Implementation Method To Act On The Electrode Needles Through Coupling Devices, Generating Corona Discharge. This Ionizes Air Molecules, Producing A Large Number Of Positive And Negative Air Ions. Compressed Air Delivers These Ions To The Surface Of The Static-Charged Object, Neutralizing Both Positive And Negative Static Charges, Achieving Efficient And Reliable Static Elimination On The Object Surface.



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► Features:

- Model Type: Horizontal Static Eliminator.
- DC24V / RJ45 Ethernet Port.
- Negative High Voltage Amplitude Is Remotely Adjustable For Ion Balance Voltage Adjustment.
- Positive And Negative Ion Output Frequency Is Adjustable, Suitable For Different Static Elimination Distances, Achieving Faster Static Elimination Speed.
- Red Light Alarm When Positive/Negative High Voltage Is Abnormal.
- Ion Output Characteristics Can Be Adjusted By Rotating The Dip Switch Or Using The Remote Control.
- External PLC Connection Allows Monitoring Output For High Voltage Alarm, Power-On Indication, And Cleaning Indication.
- Equipped With Electric Shock Protection Function To Prevent Electric Shock Injury To Humans.
- CE Certified, Effectively Avoiding External Electromagnetic Interference Affecting The Normal Operation Of The Ionizing Bar.
- Equipped With Electromagnetic Protection Function, Will Not Cause Electromagnetic Interference To Other Equipment, Preventing Them From Malfunctioning.

Application Scope

Widely Applicable In Electronics, Optoelectronics, Semiconductor, And Other Industries.

Product Parameters

Product Model	BFN-B131-L		
Input Voltage	DC 24V	Power	10W
Input Current	<600mA	Output Voltage	±4000V~±7000V
Ion Emission	Pulsed AC	Emission Electrode	Tungsten
Discharge Structure	Resistor Coupling	Installation Distance	100~1000mm
Ion Balance	≤±30V (AVG)	Static Elimination Time	≤2S
Output Frequency	0.1,0.5,1.5,10,30,55,65,105Hz (Factory Setting: 55Hz)	Air Source Connector With Throttle Valve	G1/8 For Φ8 Pipe Diameter
Static Elimination Range	350~3000mm (Needle Spacing 50mm) *300*1000mm (LWH)	Operating Environment	Temperature: 0°C ~ 50°C Humidity: <70%
Alarm Indication	Green Light - Normal Operation Blue Light - Standby	Body Material	Flame-Retardant PVC, AL, SUS
Communication Function	RS485	Installation Accessories	180° Rotating Mounting Bracket M5x12 Screw M5 Hex Nut Flat, Spring Washer 1m Yellow-Green Ground Wire
Signal Output	Open Collector 50V/100mA	Warranty Period	1 Year Warranty
Bar Length	350~3000mm (Needle Spacing 50mm) *35*64.5mm (LWH)	Certification	CE
		Airflow Pressure	≤0.6MPa