



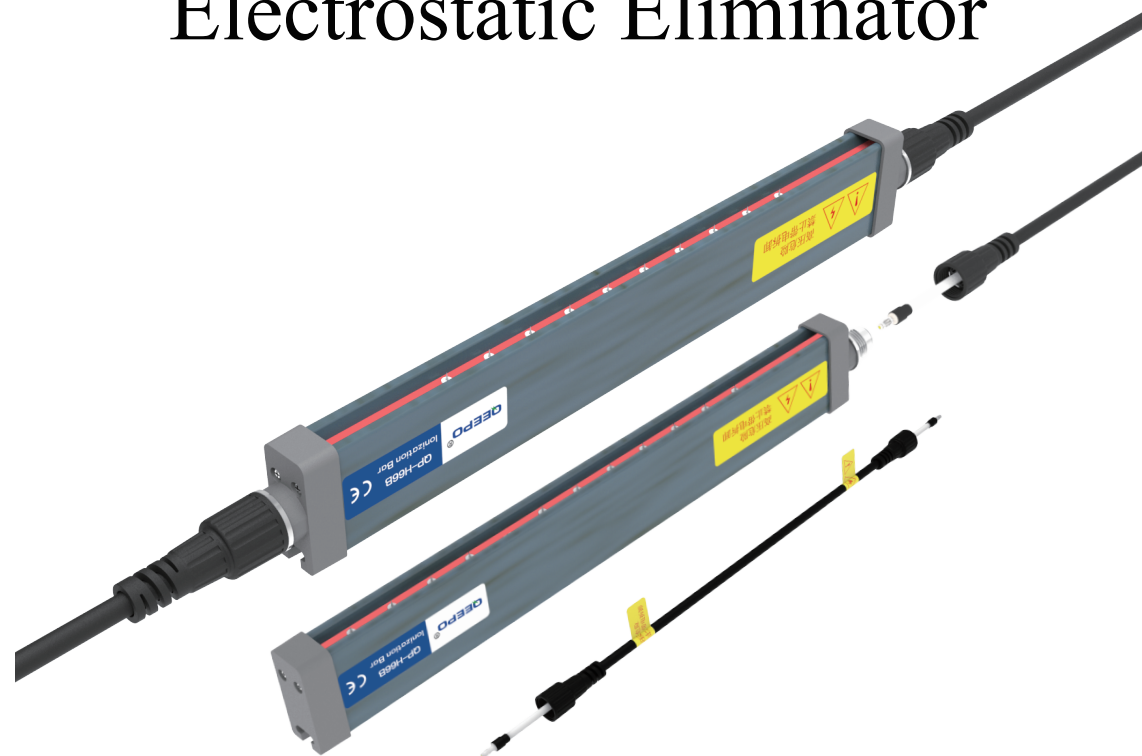
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## QP-E66B Operation Instructions Electrostatic Eliminator





## 7、Note

### **People Carrying Pacemakers, Please Pay Attention To Safety**

All Electrostatic Devices Comply With European Directive 2014/30/eu (Electromagnetic Compatibility).

Therefore, Our Electrostatic Devices Are Considered Safe And Generate Radiation

Below A Certain Level Of Safety.

However, People Carrying Pacemakers Must Be More Careful With High Pressure.

Due To The High Voltage Generated By Many QEEPO Products, There Is A Risk! We Cannot

Ensure That The Electric Field Of The High-voltage Device Has No Impact On The Function Of The Pacemaker.

Therefore, We Recommend That People Wearing Pacemakers Maintain A Distance Of At Least 60cm From High-pressure Equipment!

### **Please Read The Following Article:**

People Carrying Pacemakers Must Be Careful When Using Electrical Equipment! For Personal Safety, People With Pacemakers Should Not Be Exposed To High Open Circuit Voltage! In Addition, Electromagnetic Fields Are Also Considered To Pose Potential Risks To People Carrying Pacemakers. The Warning Has Already Started From Using The Phone!

### **Matters Needing Attention**

People Wearing Pacemakers Must Avoid Close Or Prolonged Contact With Electrical Equipment Or Devices With Strong Magnetic Fields. This Is Because The Magnet Can Turn Off The Device.

Devices That May Interfere With Pacemakers During Close And Prolonged Contact Include:

1. High Voltage Wires Or Static Eliminators.
2. Corona Treatment Machine: Patients Should Maintain A Distance Of At Least 60cm.
3. High Voltage Generator Or Transformer: Patients Should Maintain A Distance Of At Least 60cm.

## Preface

Thank You For Using This Electrostatic Eliminator. Before Using This Electrostatic Eliminator, Please Carefully Read The User Manual And Understand The Information We Provide For You In Order To Better Use It.

### Attention

To Ensure Safe Operation And Achieve Optimal Product Performance, Please Follow The Following Precautions And Warnings, As Well As Other Information In This Manual.

- This Device Does Not Have Anti Riot Function And Is Strictly Prohibited From Being Used In Anti Riot Areas.
- This Equipment Can Only Function Properly If Reliable Grounding Is Ensured, So Please Ensure That The Grounding Wire Connected To The Equipment Is Firm And Reliable.
- This Device Is A High-voltage Discharge Product, So It Cannot Be Used In Damp Environments. Please Ensure That The Working Environment Humidity Of This Device Is  $\leq 70\%$  RH.
- Working Temperature 0~65°C.
- Unauthorized Disassembly Of This Device Is Strictly Prohibited.

Before Using An Electrostatic Eliminator, Please Read This User Manual For Optimal Performance. Please Keep This User Manual Safe For Easy Reference At Any Time.

## Enterprise Introduction

Shanghai PengPu Electrostatic Technology Co., Ltd Is Located In Building 1, Lane 1 60, Longgao Road, Songjiang District, Shanghai, Is A Set Of Static Control Equipment & Corona Treatment Machine Research And Development, Manufacturing, Sales And Service In One Of The High-tech Enterprises. The Product Of The Company's Main Research And Development Is: Electrostatic Eliminator Bar, corona Treater, Ion Air Bar, High Voltage Generator, Ionizing Air Blower, static Field Meter , static Sensor, electrostatic Electret Equipment And So On. Our Products Are Mainly Used In Printing Industry, Plastics Industry, Textile Industry, Photoelectronics Industry, Printing Industry And Material Surface Corona Treatment. The Company Insists On The Development Of Quality And The Survival Of Reputation. The Product Quality Has Reached The International Advanced Level Of Similar Products And Has Been Certified By Ce. Over The Years, The Company Has Provided Excellent And Satisfactory Service To Enterprises All Over The Country, And Has Won The Trust And Praise Of Many Enterprises. Company Not Only Has Advanced Products, But Also Set Up The Perfect After-sales Service System, Difficulties And Problems Encountered In The Production For The Enterprise To Provide Advice To Assist, Through Our Continuous Efforts And Pursuit, Will Be Able To Achieve The Mutual Benefit Of The Enterprise. We Have Always Believed:

“Innovation Is The Driving Force Of Enterprise  
Quality Is The Foundation Of Enterprise Development”

## 6、 After Sales Service And Packaging

Strictly Adhering To The Principle Of Product Quality First, Reputation First, And Customer First, We Make The Following Commitments To The Sold Products:

### ① Warranty Period

The Warranty Period For Products Sold By Our Company Is One Year, Calculated From The Date Of Purchase.

### ② Warranty Scope

If A Product Malfunction Occurs During The Warranty Period, Our Company Will Repair Or Replace Any Defective Parts Or Products That Have Been Inspected By Our Company For Free. However, This Commitment Does Not Apply To The Following Situations:

- Failure To Use This Product In Accordance With The Operating Manual, Instructions, Or Technical Requirements For Use Conditions And Environment;
- Equipment Malfunctions Caused By Modifications Or Repairs Not Carried Out By Our Personnel;
- Faults Caused By Incorrect Operation By Operators;  
Our Company Is Not Responsible For Warranty For Disasters Caused By Force Majeure Such As Earthquakes And Fires, Or Faults Caused By External Factors Such As Abnormal Voltage.

### ③ Service After Warranty Period

Our Company Is Still Responsible For Repairing Products Sold After The Warranty Period, And Only Charges A Certain Cost To Protect The Interests Of Customers.

This Product Has Undergone Strict Factory Inspection. If Any Malfunctions Occur During Use, Please Contact The After-sales Service.



# 5、Packaging List

The Following Are All The Accessories Included In The Product When It Leaves The Factory. Please Pay Attention To Whether The Accessories Are Complete When Unpacking.

Picture	Name	Quantity	Unit
	Subject	1	Piece
	Fixed Slider	2	Piece
	Fixed Base	2	Piece
	Fixed Screws	1	Piece
	Certificate Of Conformity	1	Piece
	Warranty Card	1	Piece
	User Manual	1	Piece

# Catalogue

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# 1、 Overview Of Electrostatic Eliminators

## 1.1. Characteristics Of Electrostatic Eliminators

QP-H66B Is A Detachable Electrostatic Eliminator For High-voltage Lines. For Those With A Risk Of High-voltage Line Damage, Simply Replace The High-voltage Line Instead Of Replacing The Entire Electrostatic Rod. The External Part Is Made Of High Insulation Composite Material, With A Non-metallic Structure Design And An Internal Coupling Current Limiting Structure. The Safety Performance Is Better And The Environmental Applicability Is Higher. The New Structural Design Significantly Increases The Ion Production, And A High Insulation Fixed Slider Is Used For Easy Fixation And Installation, Suitable For Removing Static Electricity In Multiple Industrial Fields.

- Adopting Internationally Advanced Anti-static Technology, With Excellent Anti-static Performance.
- The Brand New Detachable High-voltage Wire Design Is Suitable For Those With A Risk Of High-voltage Wire Damage, And Only The High-voltage Wire Needs To Be Replaced Without Replacing The Entire Electrostatic Rod.
- External Use Of High Insulation Composite Materials With Non-metallic Structure Design, Higher Strength, And Better Insulation.
- Both Ends Of The Electrostatic Rod Can Be Disassembled And Connected In Series For Simple And Convenient Use (Qp-h66b2 Model).
- The Internal Coupling Current Limiting Structure Has Better Safety Performance And Higher Environmental Applicability.

## 1.2. Specification Parameters Of Electrostatic Eliminators

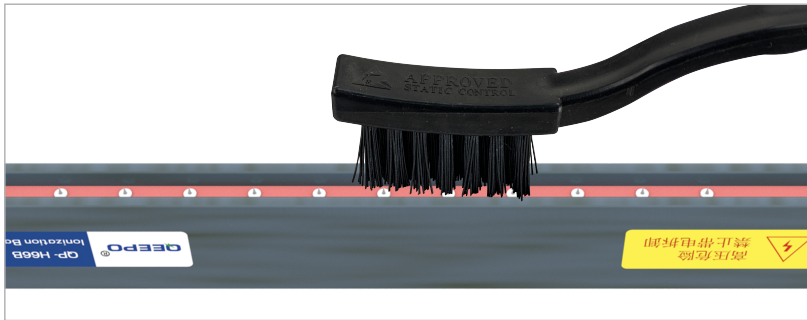
Classification	Model	QP-H66B1I	QP-H66B2H
Structure	Model	Standard Version	Electrode Encryption Version
	Needle Pitch	20mm	10mm
	Number Of High-pressure Connectors	1	1
	Processing Length	120~4000mm	120~3999mm
Performance Parameter	Model	QP-H66B2I	QP-H66B2H
	Model	Standard Version	Electrode Encryption Version
	Needle Pitch	20mm	10mm
	Number Of High-pressure Connectors	2	2
Performance Parameter	Processing Length	160~4000mm	160~4000mm

# 4、 Cleaning Of Electrostatic Eliminators

Static Electricity Generating Rods Require Regular Cleaning. During Normal Use, Dust, Oil Stain, Etc. Will Accumulate On The Discharge Electrode And Static Electricity Generating Rod, Which Will Lead To The Reduction Of Ion-ization Capacity, So It Needs To Be Cleaned Regularly.

Normally, Cleaning Once A Week Is Sufficient. However, Equipment Used In Severely Polluted Areas May Require Daily Cleaning.

Electrodes Can Be Effectively Cleaned With A Brush, And It Is Recommended To Choose A Dry Toothbrush.



Use A Non-woven Fabric To Wipe The Exterior Of The Electrostatic Eliminator.



Note: Please Ensure That The Equipment Is Turned Off Before Cleaning; After Cleaning, Wait For The Static Electricity Generating Rod To Completely Dry Before Powering On For Use.

- ② Connect The Other End Of The High-voltage Connection Line To The High-voltage Power Supply

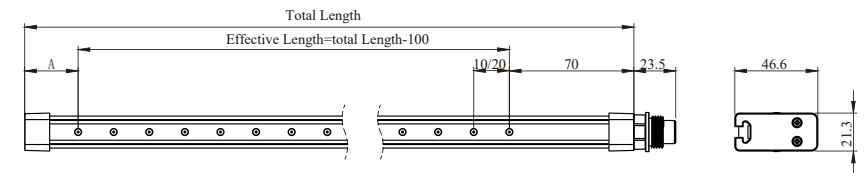


Material Quality	Electrode Needle Material	Standard Configuration SS. (Selectable W)
	Body Material	FRP/ABS/PC/PU/PA6
Performance Parameter	Working Voltage	MAX 7Kv AC
	Working Current	MAX 5mA
	Working Frequency	50/60Hz
	Recommended Installation Distance	30~50mm
	Section Size	21.3*46.6 mm(Excluding Fixed Blocks)
	Processing Length	120~4000mm
Work Environment	Operating Environment Temperature	0-50℃
	Operating Environment Humidity	0~70%RH (No Freezing, No Condensation)
Supporting Cables	Standard Length Of 2.5 Meters, With Two Plugs And A Bending Radius Of 80mm; Maximum Length Of 11m (Selected Based On The Maximum Load Of The Power Supply)	
Adapted Power Supply	QP-HE10 Or QP-HE30	
Note: The Measurement Conditions For The Above Data Are: Temperature (23 ± 3 ℃); Humidity (50 ± 5)%;Test Voltage: ± 1KV~± 100V;		

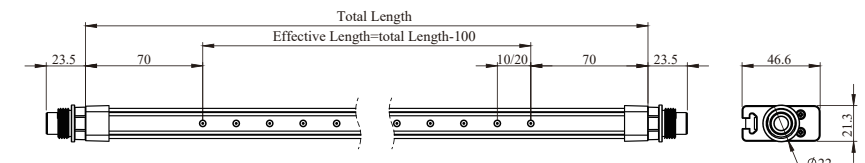
### 3、Troubleshooting

Fault Phenomenon	Cause Analysis	Exclusion Method
The Anti-static Effect Is Not Ideal	The Electrostatic Eliminator Is Too Close To The Conductive Body	Adjust The Installation Position Of The Electrostatic Eliminator To A Distance Greater Than 50 mm From The Conductive Body
	Installation Distance Too Far	Adjust The Installation Position Of The Electrostatic Eliminator To A Distance Of 30-50mm From The Object To Be Eliminated
	Insufficient Energy For Electrostatic Discharge	When An Object Carries Too Much Static Electricity, The Energy Generated By The Electrostatic Eliminator May Be Insufficient, And It Is Necessary To Increase The Number Of Electrostatic Eliminators To Meet The Requirements
	Ungrounded Wire	Check If The High-voltage Plug Is Fully Inserted
	High Voltage Power Supply Failure	Check If The Connected High-voltage Power Supply Is Working Properly
	Surface Dirt	Check For Dust, Oil Stains, Etc. On The Surface Of The Electrostatic Eliminator And Clean It

### 1.3. Dimensions Of Electrostatic Eliminators

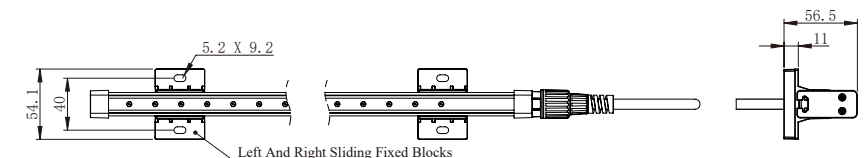


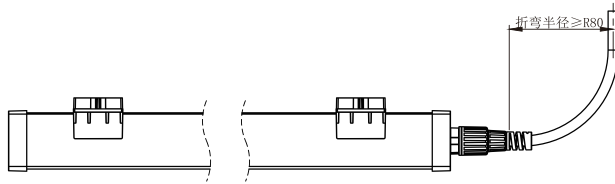
Note: 1.  $A \geq 30\text{mm}$  In The Figure; 2. The Needle Spacing Of QP-H66B1i Is 20mm; 3. The Spacing Between QP-H66B1H Needles Is 10mm.



Note: 1. The Needle Spacing Of QP-H66b2I Is 20mm; 2. The Spacing Between QP-H66B2H Needles Is 10mm.

### 1.4. Installation Dimensions Of Electrostatic Eliminators



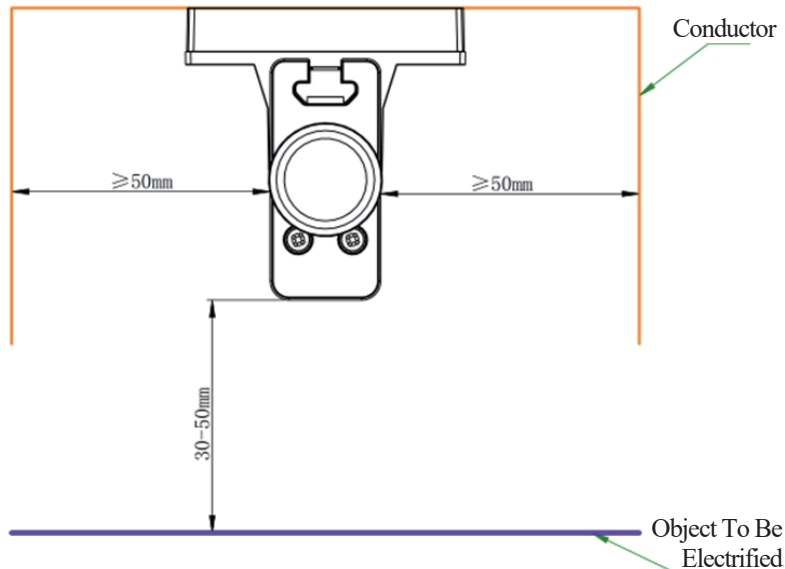


## 2、 Installation And Use Of Electrostatic Eliminators

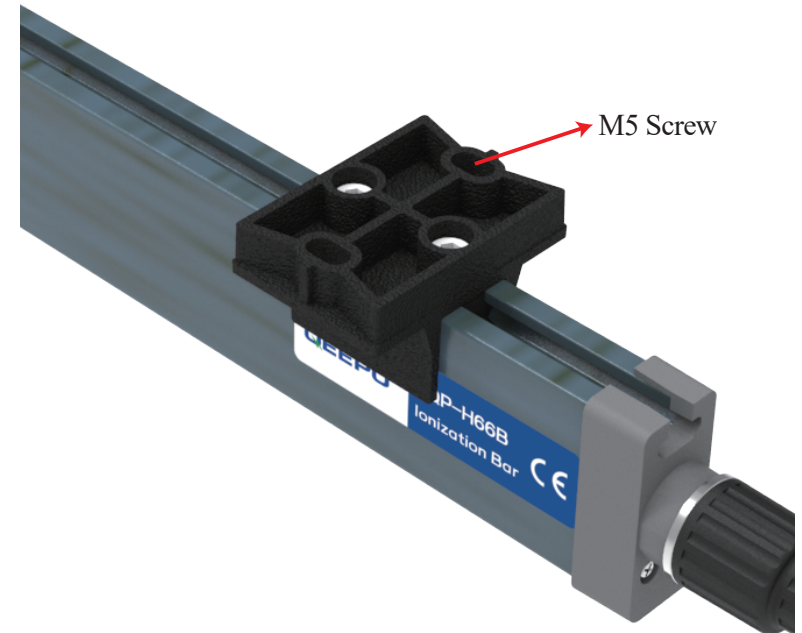
This Product Is A High-voltage Equipment, And Installation, Operation, Use, Maintenance, And Repair Work Must Be Carried Out By Professional Personnel.

### 2.1. Installation Of Electrostatic Eliminators

- ① When Installing Static Eliminators On Equipment, Attention Should Be Paid To The Distance Between Them And The Conductive Body Of The Accessories. If The Distance Between The Electrostatic Eliminator And The Conductor Is Too Close, The Ions Generated By The Electrostatic Eliminator Will Be Adsorbed By The Conductor, Causing The Generated Ions To Be Unable To Act On The Surface Of The Material, Greatly Affecting The Effectiveness Of Electrostatic Elimination.



- ② Use M5 Screws To Secure The Slider To The Device.



- ③ Installing Static Eliminators In Areas Affected By Static Electricity Can Better Meet Production Needs. When Installing, The Distance Between The Electrostatic Eliminator And Objects With Static Electricity Is 30mm-50mm, Which Results In The Best Electrostatic Elimination Effect.

### 2.2. The Use Of Electrostatic Eliminators

- ① Insert The High-voltage Connecting Wire Into One End Of The Static Elimination Device

