

## Embedded Plasma Sterilizer GQP-Q41



Installation Method:	Embedded / pipe type
Suitable air volume:	2550 CFM / 4550 m <sup>3</sup> /h
Applicable area:	100 m <sup>2</sup>
Voltage:	AC220V / AC110V
Power:	20 W
Shell material:	Sheet metal
Plasma tube:	1piece*180mm (7.1")
Noise:	≤20 dB
Product dimension:	150*100*286 mm (5.9"*3.9"*11.3")
Net weight:	2.7 kg

BEYOK GQP- series plasma air sterilizer (Plasma Purifier) uses high-voltage electric field plasma technology to induce air discharge to generate millions of ion clusters similar to nature, and actively collide with harmful substances such as bacteria and viruses in the air to ionize, puncture cell membranes, DNA, and proteins, causing them to rapidly rupture and lose their activity until they are killed and decomposed. It is widely used in air handling systems with multiple scenarios in families, people gathering in commercial public places, or public transportation systems.

### Features:

- Uses a plasma generator with high-efficiency low-temperature asymmetric plasma technology (Plasma Generator)
- Select appropriate modules and installation structures based on various scenarios
- Optional built-in time cycle control circuit, mobile phone control, automatic cycle work

### Principle:

- Plasma Air Technology is to use a specific high-voltage electric field to drive the inner and outer electrodes of the discharge tube to work, induce air discharge around the discharge tube, and generate millions of high-energy ion clusters similar to the natural forest environment.
- These millions of charged high-energy ions actively attack viruses and bacteria, break down cell membranes, DNA or proteins, and rapidly rupture and lose their activity until they are killed and decomposed to kill bacteria.
- Electrically charged high-energy ion clusters react with harmful organic substances in the air to generate electrochemical reactions that decompose large molecular clusters into small molecular clusters, and even generate harmless carbon dioxide and water under oxidation reactions.

### Application:

- Commercial places: schools, hospitals, enterprises, factories, supermarkets, hotels, entertainment venues, buses, public toilets
- Ventilation systems: Air supply and exhaust systems embedded in small air handling systems, such as fan coil units, HVAC, and other ventilation systems

### Product series:

Name	Model	Input voltage	Power	Air volume	Plasma tube	Product dimension
Embedded Plasma Sterilizer	GQP-Q41	AC220V/110V	20 W	100 m <sup>2</sup>	1*PG-CD37180	150*100*286 mm
Embedded Plasma Sterilizer	GQP-Q42	AC220V/110V	30 W	150 m <sup>2</sup>	2*PG-CD37180	150*100*286 mm

### Size View:

