

# Dental Clinic Air Quality Solution



● During dental examinations, dentists and patients are easily exposed to bioaerosols that come from patient's mouth. More than 350 kinds of infectious microorganisms such as bacteria can be found in the oral cavity. A large number of water mist and aerosols generated in dental treatments such as cavity access, tooth scaling, tooth preparation and high-speed drill tooth separation would float and stay in the air for several hours, which brings a huge potential threat to the health of dentists and patients, especially the elderly, children and people with low immunity.

# Woodpecker High-pressure Plasma Air Purifier



Tens of thousands of volts electric field  
Effective antivirus



Smog



Dust



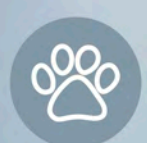
Mite



Pollen



Toluene



Pet  
dander



Peculiar  
smell



Second-hand  
smoke

# Effectively remove aerosols. The sterilization effect of high-pressure plasma technology is 6-8 times that of traditional electrostatic sterilization.

High-pressure electrostatic air purification technology can absorb particles and aerosols as small as 14.6nm. An electric field of 20,000 to 40,000 volts can effectively inactivate bacteria and viruses. The laboratory proves that its killing rate of H3N2 influenza virus within 1 hour is greater than 99.97%, and the killing rate of Staphylococcus albicans is greater than 99.9%.

**99.97%**

H3N2 influenza  
virus killing rate  
within 1 hour

**99.99%**

Staphylococcus  
albicans killing rate  
within 1 hour

**14.6 nm**

Nanometer scale  
purification particle size

Bacterial virus



# Woodpecker High-pressure Plasma Air Purifier

**Protect your health  
and the health of your patients.**

In the oral diagnosis and treatment, a large number of water mist and aerosols produced in the cavity access, scaling, preparation and teeth separation will float in the air for hours!

Everyone has more than 350 kinds of bacteria in their mouths, and exposure to biological aerosols for a long time will cause infections!

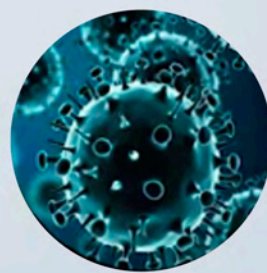


**Q3**

**Q7**



H3N2 influenza virus



Novel coronavirus

**H3N2 influenza virus is very close to corona virus**

# TPA ion field purification technology

## Air purification technology from Silicon Valley

Create a high-energy ion field between the collector and generator

Active use of high-concentration particles to capture particulate matter and kill bacteria

It not only avoids the problem of performance degradation and repeated filter replacement of traditional filter technology, but also solves the problems of low efficiency and ozone control of traditional electrostatic technology!

### Catalytic device

Absorb odors and reduce activated carbon

### Collector

Collector plate is negatively charged  
Adsorbs positively charged particles

### 20000-40000 volt ion chamber Sterilization

Kill viruses and bacteria

### Generator pole

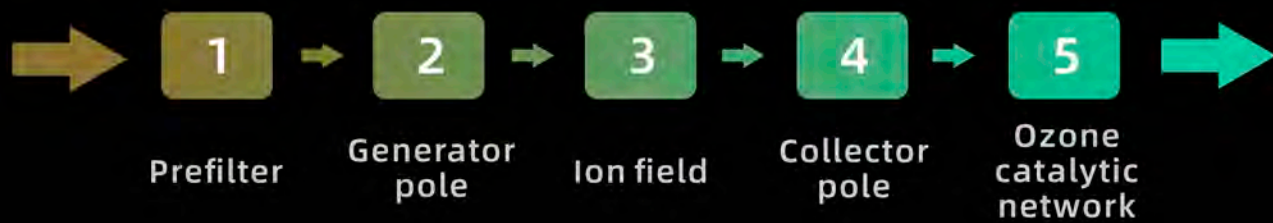
The plates are positively charged, killing bacteria and viruses, and making particles positively charged.

### Prefilter

Filters out large particles such as hair and dander



# TPA technology



The TPA technology was created by air doctors from Silicon Valley, making it washable and whisper-quiet.

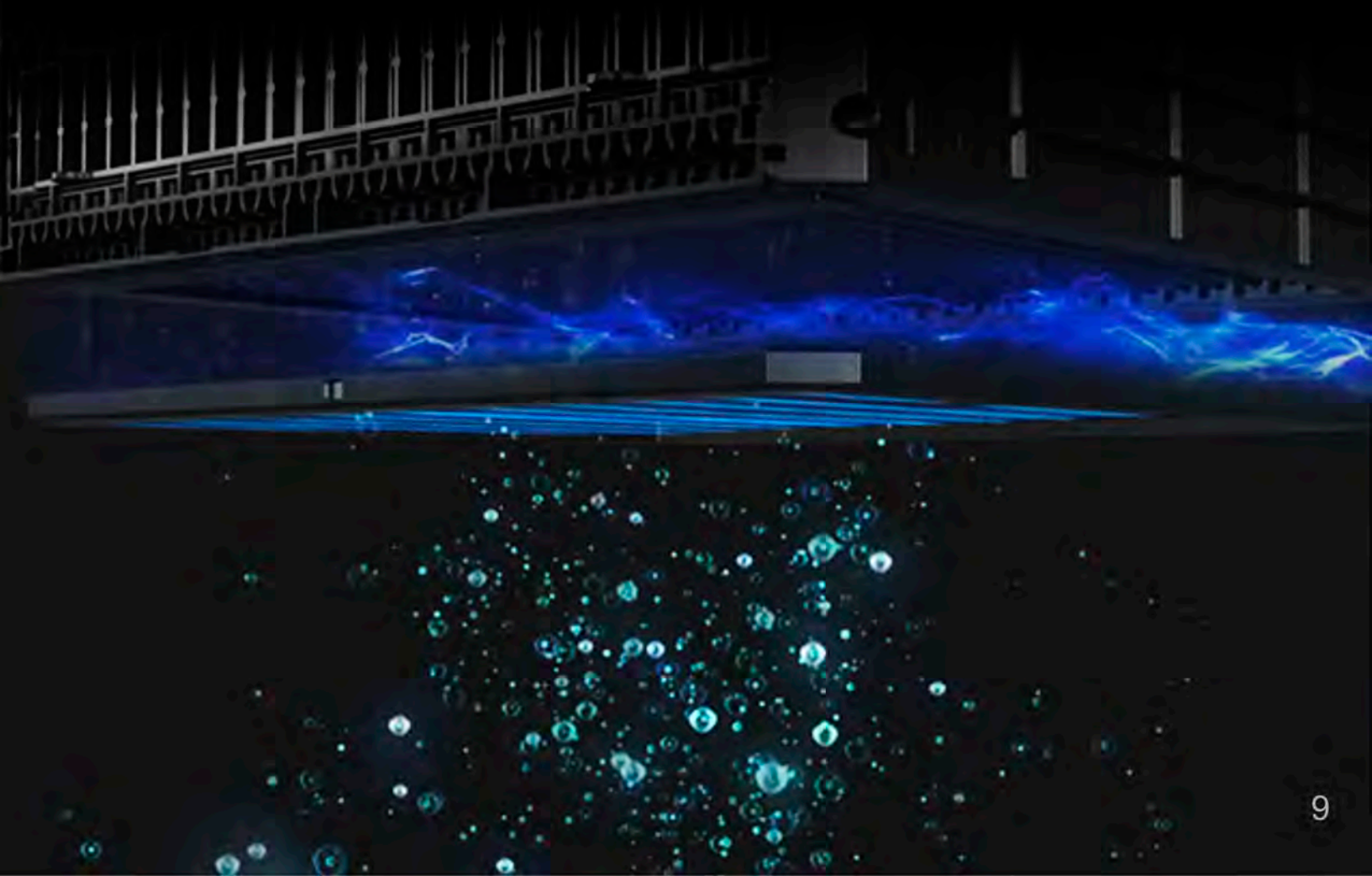
Redefine the air purifier with remarkable features of technology, intelligence and humanization.

Innovative use of generator pole and collector pole to form a dust hunting air field can actively adsorb and hunt particles, dust and smog in the air, breaking the passive filter of traditional air purifiers.

Absorb particles 100 times smaller than PM2.5.  
Known as the benchmark for future air purifiers, ushering in a new era of silent and consumable-free air purification.

Existing air purifiers is HEPA filter type that can only adsorb particles. Cannot kill the viruses and bacteria. Easily cause secondary pollution.

**Woodpecker High-pressure Plasma Air Purifier can directly kill the virus through an electric field of up to tens of thousands of volts.**



# High-precision PM2.5 sensor. Check the air condition of your consulting room at a glance.

The dental clinic has a relatively large crowd and there are potential risks.

Woodpecker High-pressure Plasma Air Purifier uses a high-precision PM2.5 sensor, with LED liquid crystal digital display and a three-color indicator, helping you control the indoor air condition in real time and avoiding potential risks in time.



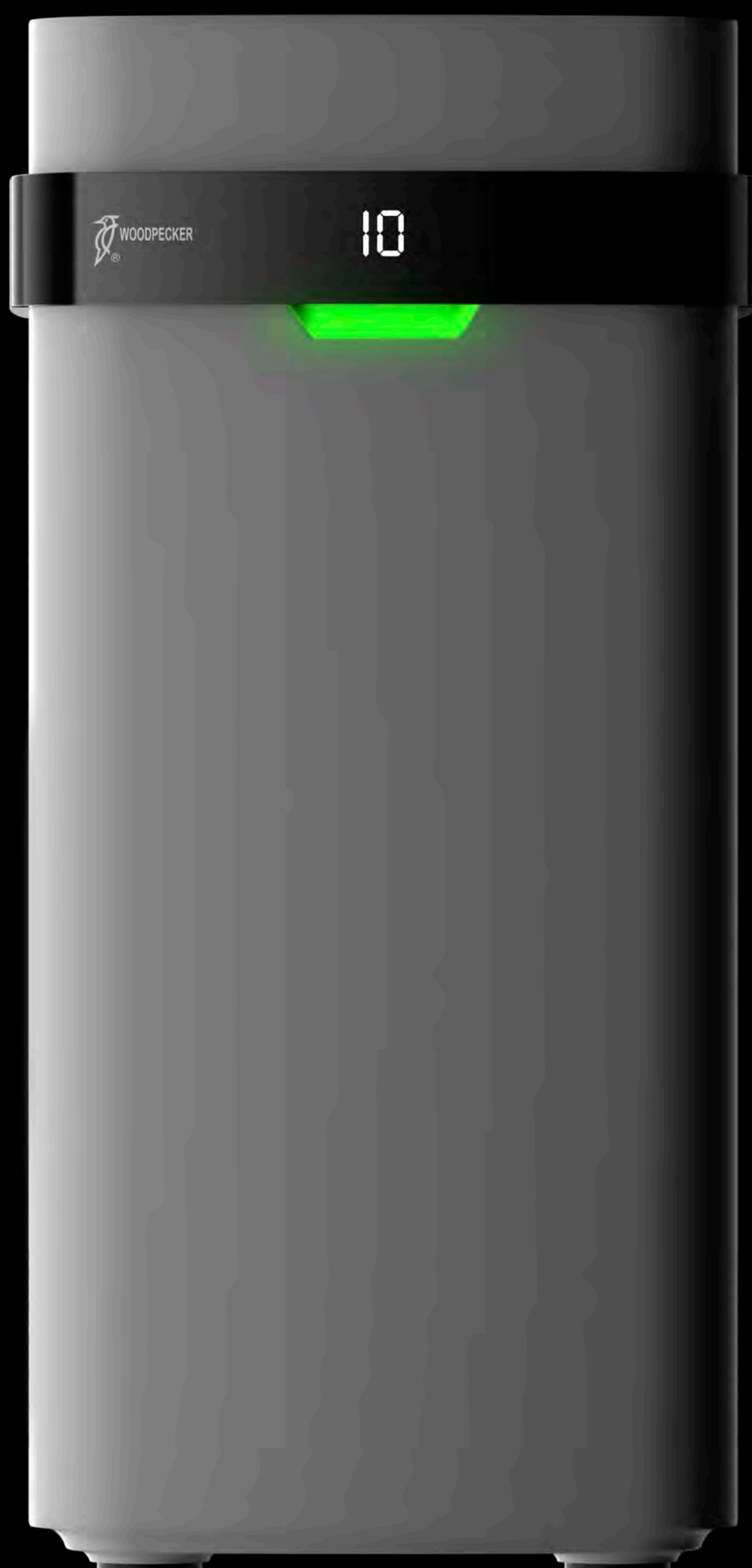
Excellent air quality

Good air quality

Poor air quality

10

Liquid crystal display air quality index





# Patent for wine glass air flue More thorough three-dimensional purification

Stacking the purification module and the booster fan Z axis accelerates the running speed of the charged particles in the ion field and greatly improves the purification efficiency. The novel and elegant wine glass shape air flue design guides the clean air to spiral up and spray out along the smooth air flue, forming a large-scale three-dimensional air circulation, so that the air indoor is quickly renewed.

Invention Patent CN20150960621.9

Utility Model Patent ZL201521068120.1



# No consumables

# No cost

# Washable electrode

Traditional consumables are expensive and inconvenient to clean.

The traditional filter type purifier requires regular filter replacement, which is expensive.

Woodpecker High-pressure Plasma Air Purifier uses consumable-free patented TPA ion field technology. No need to replace the filter element, eliminating the cost of subsequent filters.

Clean the collector electrode to realize reuse.



# Low noise More comfortable treatment environment

The lowest noise is only 40 dB,  
which is much lower than that of traditional purifier.



Decibel (db)

100db

Square dance (90db)

80db

Traditional air purifier

60db

Q3 Q7

40db

Mosquito buzz

20db

# One-click control Life needs a philosophy of subtraction

The five functions of power-on, power-off, four-level speed, sleep mode and automatic mode are set an "ON/OFF" button.



# Minimalist beauty Q3

## Inlet

Openwork grille surrounded by three sides

Scattered, showing the minimalism



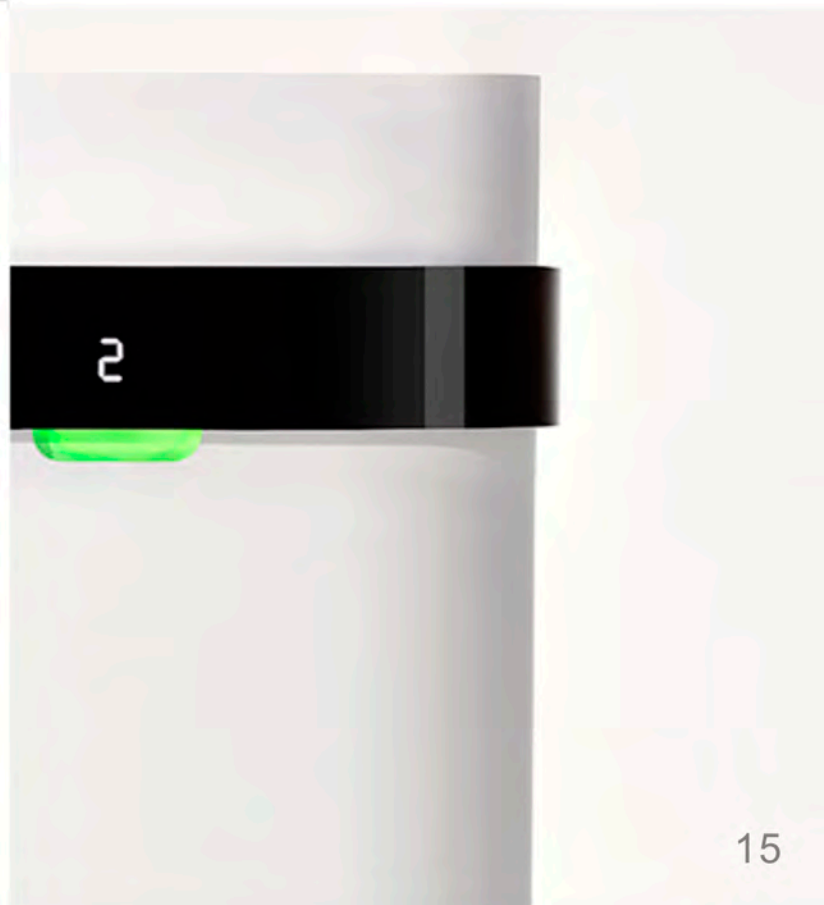
## Rounded corners design

Without lack of grace in toughness

## Belt

Semi-transparent and pure black belt

LED digital display



## 进风口

三面环绕的镂空格栅  
错落有致 尽显北欧极简



## 圆角设计

圆润的边角处理  
硬朗中不乏婉约



## 腰带

半隐半透的纯黑腰带  
尽显LED数显的绿之空灵



## Black and white

Pure white body  
With pure black top cover  
and pure black belt  
Keep Minimalism to the End



## Two-key joint control

Left-hand light  
Right-hand wind speed

## Wind speed level display

Supercar Dashboard  
Feel the speed  
and passion of Q7



## Embedded scroll wheel

Movable purifier

# World famous component suppliers Create assured quality

Control chip



Plastic  
body parts



Power Chip  
(MOS Tube)



Capacitor



# 广东省微生物分析检测中心

GUANGDONG DETECTION CENTER OF MICROBIOLOGY

## 分析检测结果

ANALYSIS AND TEST RESULT

报告编号 (Report No.): 2019FM17442R01

作用时间	病毒名称	组别	空气病毒含量 (TCID <sub>50</sub> /m <sup>3</sup> )	去除率 (%)
样机开启最大5档, 作用1小时	H3N2 流感病毒 FM4.01 宿主名称: MDCK 细胞	试验前	2.44×10 <sup>6</sup>	
		试验后	<97.3	>99.99

注: 去除率试验结果已消除微生物在空气中自然消亡因素的影响。



**Woodpecker  
High-pressure Plasma Air Purifier  
Escort your health**



**Woodpecker  
High-pressure Plasma Air Purifier  
More suitable for dental clinics**



## Product specifications

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Model	Q3	Application area	30 -40
Rated voltage	220V~	Rated power(W)	55
Rated frequency	50Hz	Weight (kg)	10.7
Dimension (m)	650mm X 316mm X 306mm		

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Model	Q7	Application area	70 -110
Rated voltage	220V~	Rated power(W)	110
Rated frequency	50Hz	Weight (kg)	19.7
Dimension (m)	760mm X 380mm X 380mm		

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