

An aerial photograph of a city skyline, likely Dubai, with numerous skyscrapers. The air is hazy, suggesting air pollution. A large, semi-transparent blue rectangular overlay is centered over the image, containing white text. The text reads "Gree Air Purifier" in a large, bold font, and "KXJFA300-A02" in a smaller, bold font below it. The background image shows a mix of modern architectural styles, including a prominent circular building with a grid-like facade in the lower right.

Gree Air Purifier

KXJFA300-A02

CONTENT

1

Development Background

2

Product Effect

3

Technical Principle

4

Operation and Maintenance



1

Product Introduction

钟南山院士两会警告：
治理室内空气污染更为重要



Academician Zhong Nanshan suggested: Air purifiers can be considered to use if conditions permit!

Pay attention to indoor air quality

In this special period, we should not only pay attention to personal hand hygiene, wash hands frequently, cover our mouth and nose with tissue paper when sneezing or coughing, keep the room clean, but also maintain indoor air circulation.

In addition to opening windows for air ventilation, are there any other ways?



Open window for air ventilation + professional air purifier



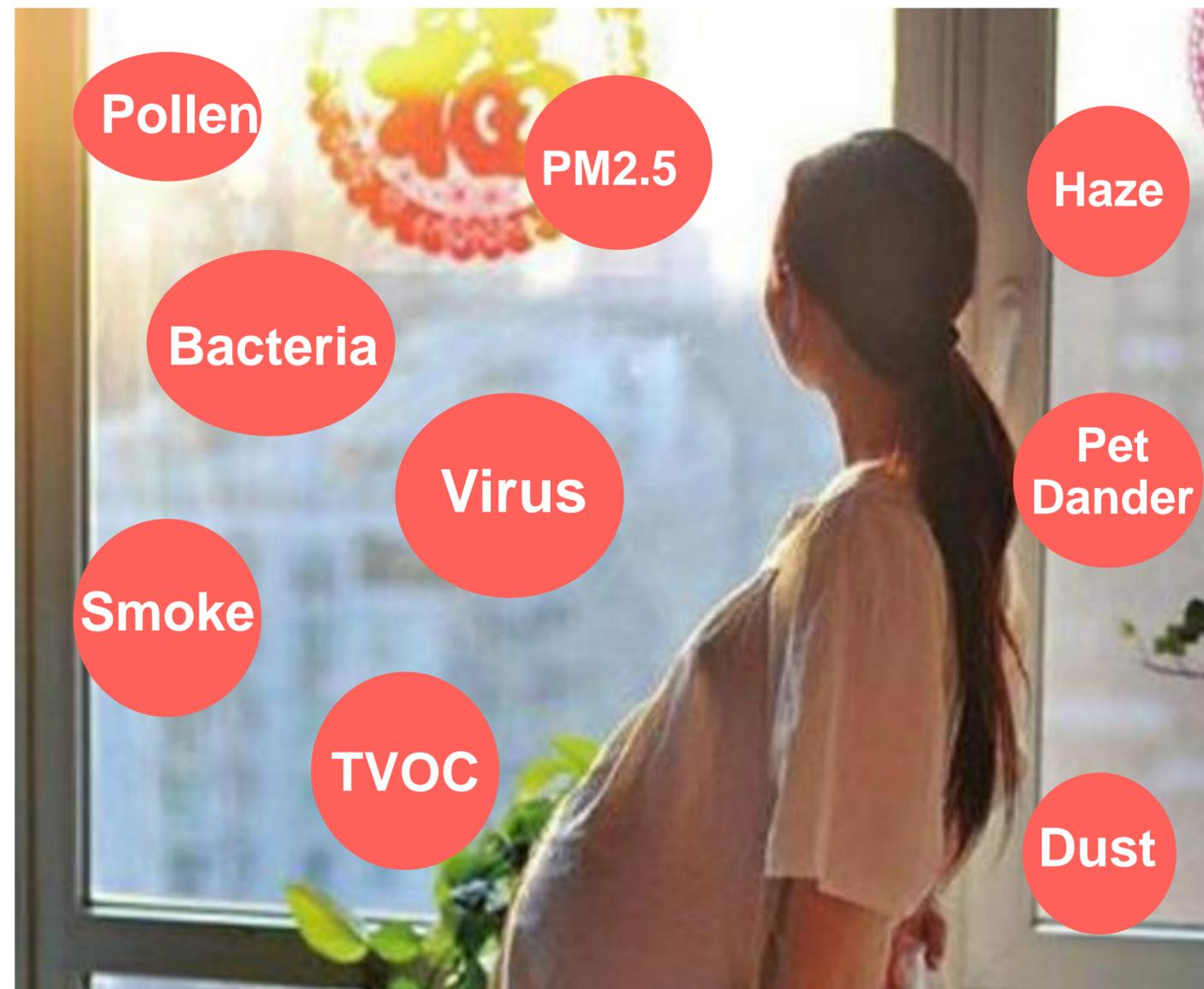
Open window for air ventilation: It can allow the indoor environment to form convection to ensure indoor air circulation and ventilation, but it cannot kill viruses and other harmful substances in the air;

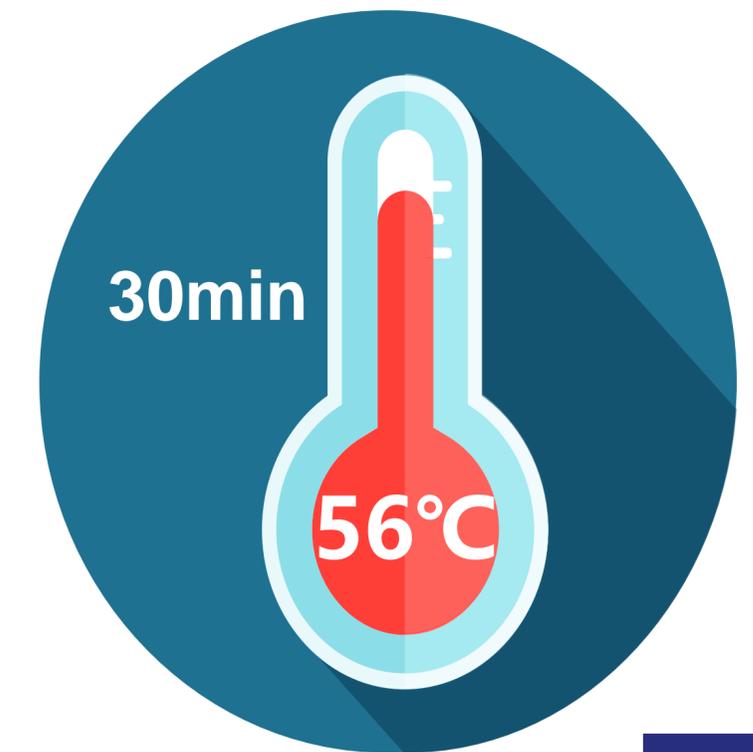


Gree air purifier: It can eliminate and purify viruses, bacteria and other harmful substances in the air in the house .

Why do we need an air purifier after opening the window for ventilation?

- Whether it is indoor or outdoor, the air contains a lot of harmful substances. Opening the window is mainly to ensure indoor air ventilation. If you want to create a better healthy indoor environment, except air ventilation, you also need to eliminate the virus and filter harmful substances in the air;
- As for the places with severe haze or poor air quality, indoor PM2.5 may increase when outdoor air comes into the room;
- In spring, there may be allergens (such as pollen) in the outdoor air, and susceptible people will be allergic;





How to prevent virus?

Academician Li Lanjuan stated that the novel coronavirus is afraid of alcohol and high temperature:

1. Coronavirus will die at 56 ° C for 30 minutes;
2. Ether, 75% ethanol, and chlorine-containing disinfectants can effectively inactivate the virus;

Use alcohol for air sterilization?



Prohibit spraying much 75% alcohol in the house for air sterilization

Li Lanjuan, an academician of the Chinese Academy of Engineering, recently announced that 75% alcohol can eliminate the novel coronavirus. Since then, many people began spraying with a lot of alcohol in the house, which is the wrong disinfection method. Yue Guojun, an academician of the Chinese Academy of Engineering, stated in an interview that spraying much 75% alcohol in the house for air sterilization is prohibited. If the alcohol in the air exceeds 3%, it may cause fire or explosion. Therefore, the alcohol in the air must be less than 3%.

Safeguard air health of your family



KXJFA300-A02

**Gree air purifier KXJFA300-A02:
Sterilize and purify indoor air;
provide a safe respiratory
protection in this special period.**



CKER virus purification system

**Triple
antivirus**

1

**CEP plasma constant efficiency
purification technology**

2

HEPA13 high-efficiency filtration

3

**High temperature inactivation by
intelligent precise temperature
control system**

CKER virus purification system effect

➤ **Reduce novel coronavirus in the air**

The eliminate rate of novel coronavirus in the air is more than 99%

➤ **Reduce coronavirus in the air**

The eliminate rate of coronavirus in the air is $\geq 99.99\%$

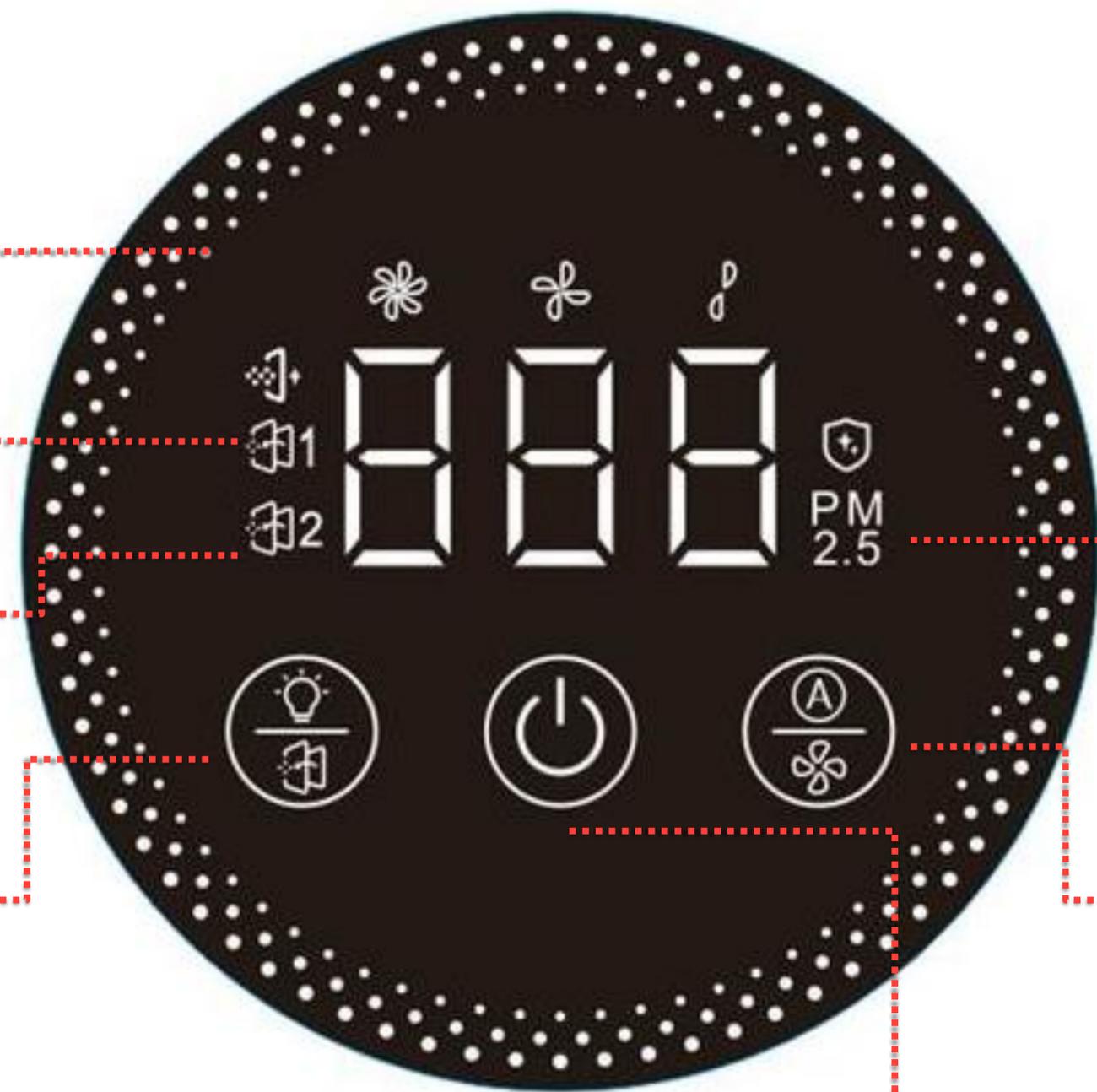
➤ **Effectively block the virus transmission by air**

Remove 97% of aerosol at 60m³ within 55min

➤ **Effectively remove all kinds of particulate matters**

100 million biological particles were removed per minute on average.





Tri-color lights show air quality :
Green: air quality is very good
Blue: air quality is general
Red: air quality is bad

HEPA Filter Replace reminder indicator
Deoxidized Filter Replace reminder indicator

ON/OFF control for tri-color light
Filter Reset button

PM2.5 digital display

4 modes for selection
High/Mid/Low/Auto

Power ON/OFF control button

Four modes



High speed

Reduce the virus in the air quickly;
noise is 58.2dB (A)



Mid speed

Reduce the virus and clean the air



Low speed

Under low mode, the noise is as low as
33.4dB (A)



Auto

Adjust the notch automatically
according to the concentration of
indoor PM2.5



Appearance





众志成城
共同战疫

抗击新型冠状病毒

2

Product Effect

1. Novel coronavirus test in Wuhan

The elimination of "novel coronavirus" was verified in the CT Examination Room of Wuhan Jinyintan Hospital:

After 1 hour of work, the nucleic acid content of novel coronavirus (CT value 39) was significantly lower than that before purification (CT36.4), that is, the elimination rate of virus in the air was more than 99%; so the virus content in the air decreased by at least 10 times, which indicates that the air purifier had a significant elimination effect on novel coronavirus in the air.



CT Examination Room of Wuhan Hospital

2. Test results of Guangzhou Institute of Respiratory Diseases

Guangzhou Institute of Respiratory Diseases verifies the elimination effect for "coronavirus" :

By comparison, no coronavirus is detected in the experimental sample . The virus-elimination rate for coronavirus is 99.99%.

广州呼吸疾病研究所 编辑

同义词 广州呼研所一般指广州呼吸疾病研究所

广州呼吸疾病研究所（简称呼研所）全称广州医科大学第一附属医院，始建于1979年，位于美丽的珠江岸边，是国内成立最早的呼吸疾病研究所。

中文名	广州呼吸疾病研究所	所长	钟南山
创建时间	1979年	全称	广州医科大学第一附属医院
性质	中国成立最早的呼吸疾病研究所	简称	呼研所



广州呼吸疾病研究所图册

中国科学院
CHINESE ACADEMY OF SCIENCES

IEECAS

Institute of Earth Environment, Chinese Academy of Sciences

中国科学院地球环境研究所

3. Test result of Chinese Academy of Sciences

Verify the removal effect for "all kinds of particulate matters" (including fine particles)

The total number concentration of particles with aerodynamic diameter of 20~700nm in a confined space of 60.6m³ is decreased from 2,828.3 particles/cm³ to 84.5 particles/cm³ within 55min. 50 particles/cm³ aerosol particles are removed per minute on average.

4. Test result of Beijing Dingblue Technology company

Verify the removal effect of "bioaerosol"

The concentration of biological particles (> 1 micron) in a confined space of 35m³ was decreased from 1.5x 100,000 /L to zero within 4.4min. 100 million biological particles are removed per minute on average.



3

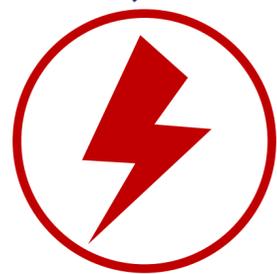
Technical Principle

Technical requirements for eliminating novel coronavirus

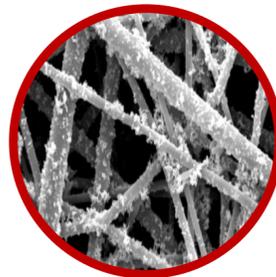
Novel coronavirus structure:

Protein + genetic material

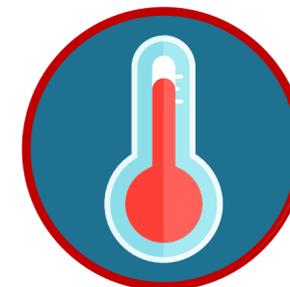
The researchers found that the S protein on the envelope of the coronavirus plays a key role in virus recognition and invasion.



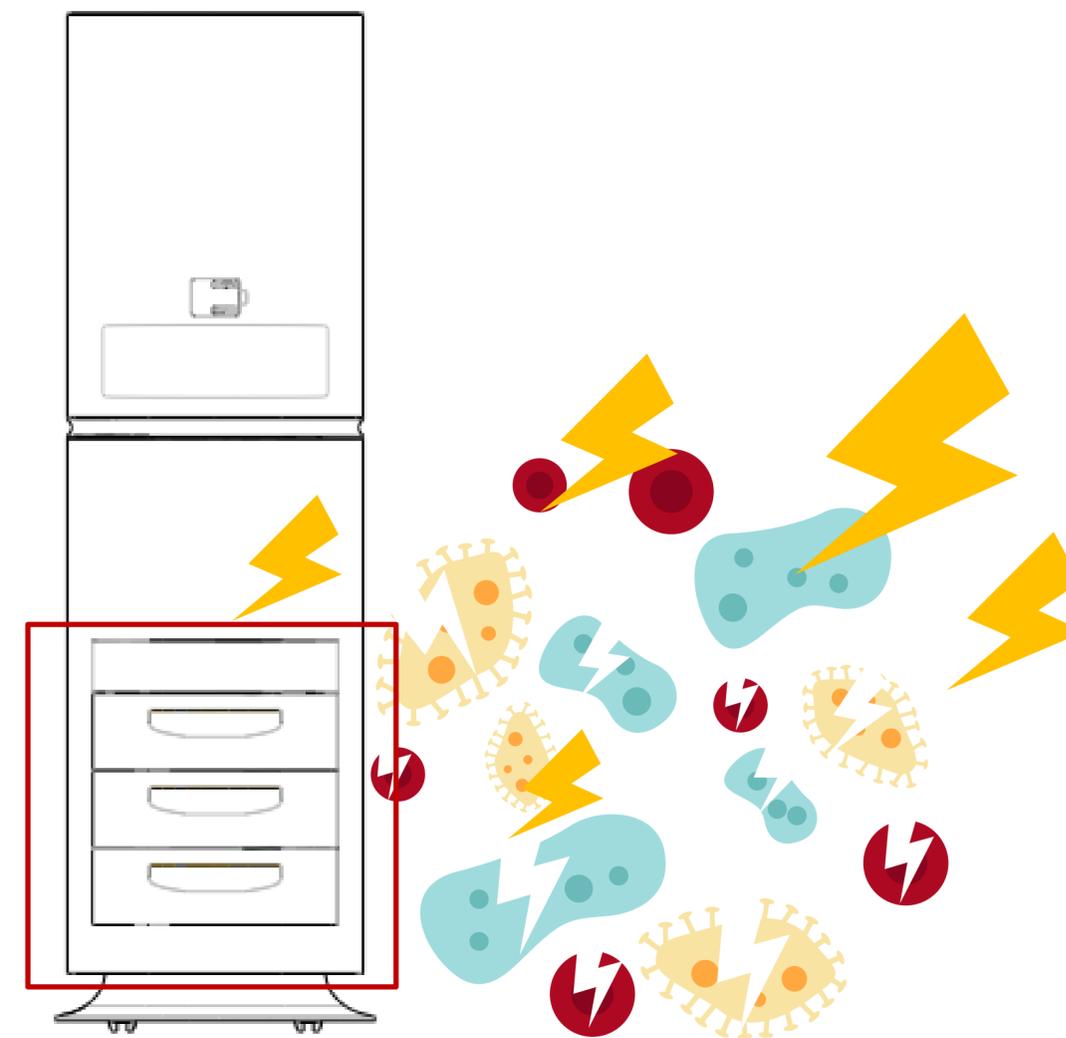
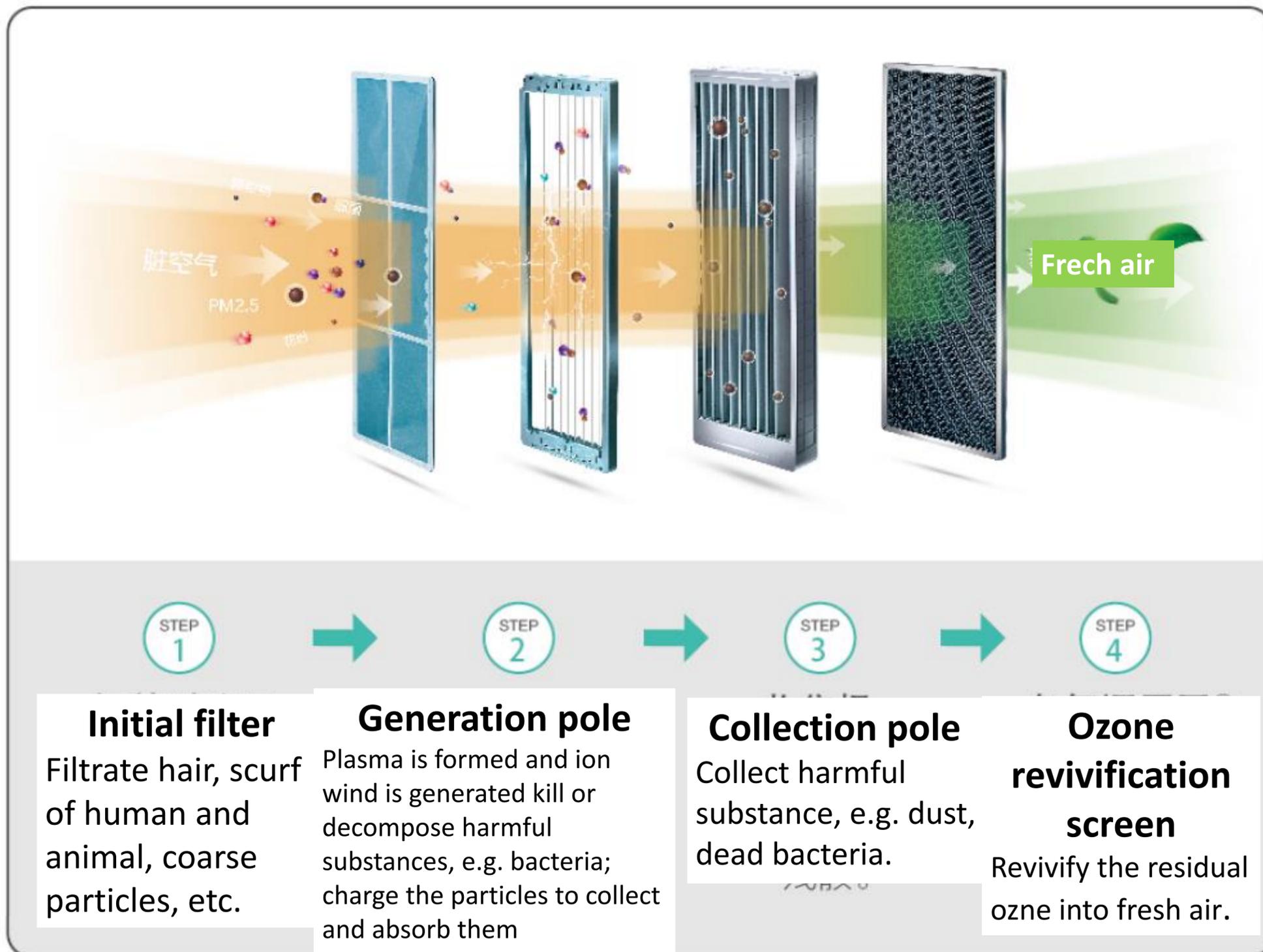
The plasma destroys the protein and prevents the virus



Catch viruses that have lost their infectivity and the viruses that have not been prevented in time



Eliminate the virus by high temperature of 56°C continuously and completely block and reduced the novel coronavirus in the air

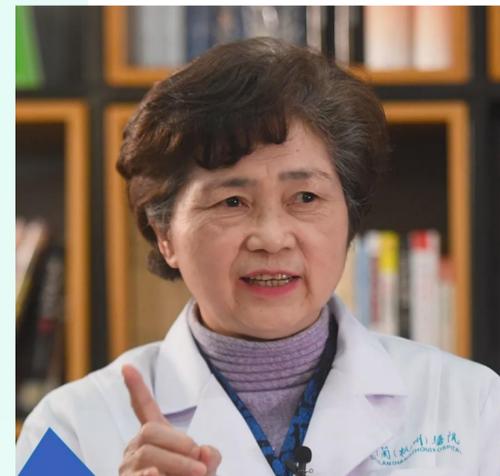
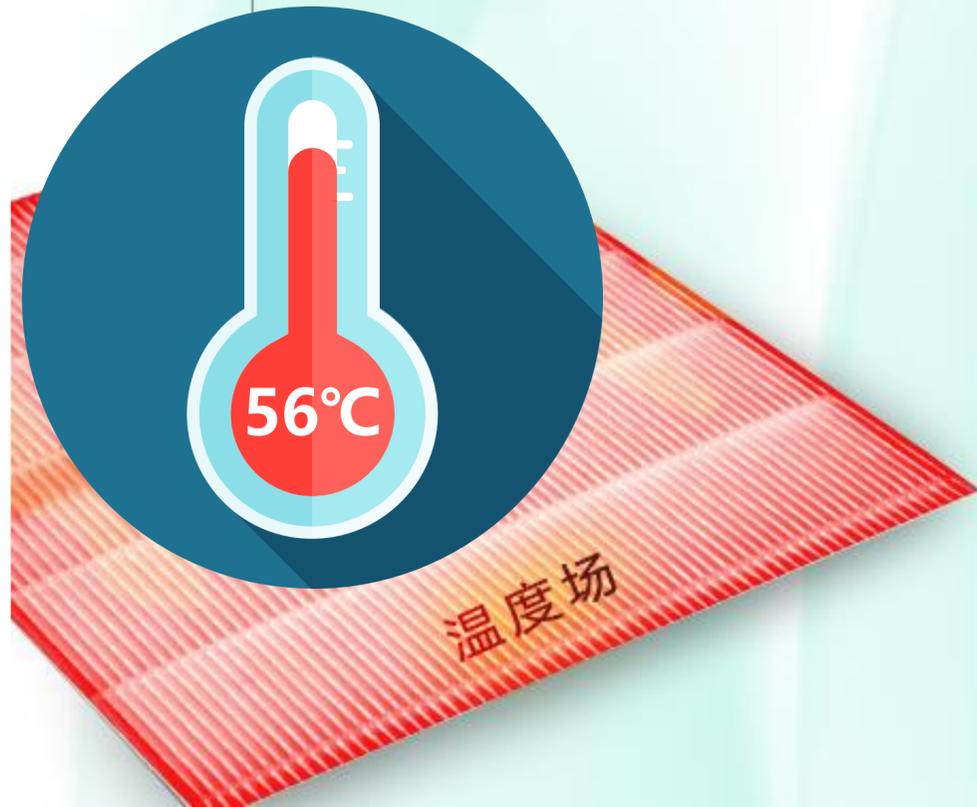


The technology uses corona discharge to produce plasma, which destroys bacteria and viruses and inactivates them. The inactive bacteria and viral debris are collected together

The third safeguard: high temperature inactivation by smart precise temperature control system

The intelligent temperature control system independently developed by Gree can accurately and precisely control the temperature, so that the surface of the filter can maintain the temperature above 56 °C, which can eliminate the novel coronavirus and prevent the secondary pollution.

- Gree's self-developed smart temperature control system can accurately control the temperature, keeping the surface of the filter at a high temperature of above 56 °C, and eliminated the novel coronavirus .



Prevent virus: prevent **100%** of H1N1 influenza virus; prevent **99.99%** of EV71 hand-foot-mouth virus;
prevent **99.99%** of HSV herpes simplex virus; prevent **99.9%** of coxsackie virus;

试验结果:
Test results

样品编号	委托方样品编号	病毒	对照组病毒滴度平均值			试验组病毒滴度平均值			杀灭率(%)
			0 小时	1 小时	自然衰减率(%)	0 小时	1 小时	杀灭率(%)	
			(TCID ₅₀ /m ³)	(TCID ₅₀ /m ³)		(TCID ₅₀ /m ³)	(TCID ₅₀ /m ³)		
TOSOT 空气净化器 (KJ280F-01)	HYS201704101	A/PR8/34 (H1N1)	1	2.67×10 ⁶	8.43×10 ⁵	68.38%	8.43×10 ⁵	/	100%
			2	1.25×10 ⁶	2.67×10 ⁵	78.62%	1.25×10 ⁶	/	100%
			3	5.70×10 ⁶	1.25×10 ⁶	78.12%	2.67×10 ⁶	/	100%

"/"表示为未检出。

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H1N1 virus prevention report

试验结果:

Test results

样品编号	委托方样品编号	病毒	测试	对照组病毒滴度			试验组病毒滴度			清除率 (%)
				0 小时	60 分钟	自然衰减率(%)	0 小时	60 分钟	清除率 (%)	
				(TCID ₅₀ /m ³)	(TCID ₅₀ /m ³)		(TCID ₅₀ /m ³)	(TCID ₅₀ /m ³)		
格力空气净化器 (KJ280F-A01)	HYS201906107	肠道病毒 EV71	1	5.06×10 ⁵	1.6×10 ⁵	68.38	7.48×10 ⁵	/	≥99.99	
			2	3.42×10 ⁵	7.47×10 ⁴	78.16	5.06×10 ⁵	/	≥99.99	
			3	7.48×10 ⁵	1.60×10 ⁵	78.61	5.06×10 ⁵	/	≥99.99	

"/"表示为未检出。

EV71 virus prevention report

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样品	样品编号	病毒	时间 (分钟)	测试	试验组	对照组	病毒灭活负对数值	杀灭率 (%)	
					Log ₁₀ (TCID ₅₀ /ml)	Log ₁₀ (TCID ₅₀ /ml)			
格力空气净化器 (KJ280F-A01)	HYS201906107	柯萨奇病毒 CA16	60	1	1.33	4.33	3.00	99.91	
					2	1.33	4.00	2.67	99.79
					3	1.33	4.33	3.00	99.91

表 1. 空气净化器对载体片的柯萨奇病毒杀灭效果

Coxsackie virus (surface) prevention report

样品	样品编号	病毒	时间 (分钟)	测试	试验组	对照组	病毒灭活负对数值	杀灭率 (%)	
					Log ₁₀ (TCID ₅₀ /ml)	Log ₁₀ (TCID ₅₀ /ml)			
格力空气净化器 (KJ280F-A01)	HYS201906107	单纯疱疹病毒 HSV	60	1	1.33	5.67	4.34	≥99.99	
					2	1.50	6.00	4.50	≥99.99
					3	1.33	6.00	4.67	≥99.99

表 2. 空气净化器对载体片的单纯疱疹病毒杀灭效果

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HSV herpes simplex virus (surface) prevention report



Effect-CEP Plasma Sterilization Report

The degeratization rate of CEP plasma was **99.7%** for natural bacteria in air and **99.9%** for staphylococcus albicans

中国科学院广州化学研究所分析测试中心
Analyzing and Testing Center of Guangzhou Institute of Chemistry, Chinese Academy of Sciences
广州中科检测技术服务有限公司
Guangzhou CAS Test Technical Services Co., Ltd.

报告编号: JKK170426-07 日期: 2017/04/26 页码号: 4/6

检测结果 (三):

一、检测项目
空气消毒效果鉴定试验 (空气自然菌)

二、器材

1. 试验场所: 约 53 m³ 无人密闭办公室;
2. 培养基: 普通营养琼脂培养基, 采样器: FA-1 型六级筛孔空气撞击式采样器;
3. 消毒器械: TOSOT 牌 KJ280F-A01 型空气净化器。

三、方法

1. 检测依据: 《消毒技术规范》(2002 年版) 2.1.3;
2. 检测环境: 温度: (22-24) °C, 相对湿度: (65-75) % RH;
3. 机器运行状态: 试验过程开启“最高风速”档;
4. 消毒方法: 试验时将待测机器放在房间内, 按使用说明书开机净化 60min 后采样;
5. 采样方法: 用六级筛孔空气撞击式采样器采样, 采样流量为 28.3L/min; 采样时净化作用后为 7min, 采样点距离地面 1.0 m。

四、结果

试验场所为无人密闭办公室, 环境温度为 (23-25) °C, 相对湿度为 (60-70) % RH, 该空气净化器开机净化 60min, 对空气自然菌的除菌率 3 次试验结果分别是 99.72%、99.77%、99.74% (见表 2)。

表 2 空气消毒效果鉴定试验 (空气自然菌) 实验数据

试验菌种	作用时间 (min)	试验编号	试验前菌落数 (cfu/m ³)	试验后菌落数 (cfu/m ³)	除菌率 (%)
空气自然菌	60	1	3.36×10 ³	10	99.72
		2	2.20×10 ³	5	99.77
		3	1.89×10 ³	5	99.74

五、结论

该空气净化器开机净化作用 60min, 对空气自然菌的除菌率 3 次试验结果分别是 99.72%、99.77%、99.74%, 为消毒合格。

On-site disinfection qualification report

中国科学院广州化学研究所分析测试中心
Analyzing and Testing Center of Guangzhou Institute of Chemistry, Chinese Academy of Sciences
广州中科检测技术服务有限公司
Guangzhou CAS Test Technical Services Co., Ltd.

报告编号: JKK170426-07 日期: 2017/04/26 页码号: 3/6

检测结果 (二):

一、检测项目
空气消毒效果鉴定试验

二、器材

1. 试验舱: 10 m³;
2. 试验菌种: 白色葡萄球菌 8032, 培养基: 普通营养琼脂培养基, 采样器: FA-1 型撞击式采样器;
3. 消毒器械: TOSOT 牌 KJ280F-A01 型空气净化器。

三、方法

1. 检测依据: 《消毒技术规范》(2002 年版) 2.1.3;
2. 检测环境: 温度: (20-25) °C, 相对湿度: (50-70) % RH;
3. 机器运行状态: 试验过程开启“最高风速”档;
4. 消毒方法: 试验时将待测机器放在试验舱内, 按使用说明书开机净化 60min 后采样;
5. 采样方法: 在试验舱中央距离地面 1.0 m 设一个采样点, 用六级筛孔空气撞击式采样器采样, 采样流量为 28.3L/min。在净化作用时间为 0min、60min 时进行采样, 对照组的采样时间分别为 20s、5min。

四、结果

试验温度为 (20-25) °C, 相对湿度为 (50-70) % RH, 该空气净化器开机净化作用 60min, 对白色葡萄球菌的除菌率 3 次试验结果分别是 99.98%、99.98%、99.97% (见表 1)。

表 1 空气消毒效果鉴定试验实验数据

试验菌种	作用时间 (min)	试验编号	对照组			试验组		除菌率 (%)
			试验前菌落数 (cfu/m ³)	试验后菌落数 (cfu/m ³)	自然消亡率 (%)	试验前菌落数 (cfu/m ³)	试验后菌落数 (cfu/m ³)	
白色葡萄球菌	60	1	9.28×10 ⁴	7.20×10 ⁴	22.41	9.04×10 ⁴	14	99.98
		2	1.06×10 ⁵	8.45×10 ⁴	20.28	1.00×10 ⁵	18	99.98
		3	8.44×10 ⁴	6.43×10 ⁴	23.82	8.17×10 ⁴	21	99.97

五、结论

该空气净化器开机净化作用 60min, 对白色葡萄球菌的除菌率 3 次试验结果分别是 99.98%、99.98%、99.97%, 为消毒合格。

Simulation site disinfection qualified report



Product parameters



Model	KXJFA300-A02		
Main function	<ol style="list-style-type: none"> 1. Effectively reduce the novel coronavirus in the air; 2. Effectively reduce coronavirus in the air; 3. Block the transmission of the virus; 4. Removal bioaerosol: remove 50 /cm³ aerosol particles per minute on average; 5. Remove particulate matters: remove 10 million biological particles per minute on average. 		
Main technology	Efficient plasma filtration and collaborative heat treatment technology		
Particulate matters CADR	301m ³ /h	Particulate matters CCM	P4
Noise	34-59dB		
Rated input power (air purification)	58W	Maximum input power	1920W
Applicable areas	21-36m ²	Applicable space	50-86m ³
Product dimension	370×423×1273mm	Package dimension	553x493x1408mm
Net Weight	36.6kg	Gross Weight	42.5kg
Loading Quantity	20GP:84; 40GP:153; 40'HQ:182		

CEP Plasma Module Parameters



<p>Main parameters</p>	<p>Three-layer structure: primary filter ×1, occurring pole ×2, collector ×3 Voltage: 18 kv Tungsten wire diameter: 0.1mm Ozone: ≤15ppb (24h)</p>
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<p>Main performance</p>	<ol style="list-style-type: none"> 1. Prevent a variety of viruses : <ol style="list-style-type: none"> (1) Eliminate 100% of H1N1 virus; (2) Eliminate 99.99% of EV71 virus 2.Surface disinfection: <ol style="list-style-type: none"> (1) Eliminate 99.99% of herpes simplex virus HSV; (2) Eliminate 99.79% of coxsackie virus 3. On-site and simulated on-site disinfection tests are qualified <ol style="list-style-type: none"> (1) When the product is turned on for 60min in a room, the elimination rate of natural bacteria in the air is ≥90%; (2) When the product is turned on for 60min in a simulated field, the elimination rate of staphylococcus alba is ≥99.90%.
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PET骨架层

PET骨架层
起到支撑作用



静电熔喷层

静电熔喷层-静电驻极熔喷材料, 过滤PM2.5 达到99.97%以上

熔喷保护层

熔喷保护层-增强滤网结构挺度, 延长使用寿命

适配型号: KXJFA300-A01

H13级强效过滤网

格力空气净化器KXJFA300-A01专用




Main parameters	<p>Filtration grade: H13</p> <p>EU EN1882 standard: 0.3μm efficiency >99.97%</p> <p>There are various grades for HEPA filter. In general, the air purifier adopts H11 or H12 filter.</p>
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Application scene —family





4

**Operation and
Maintenance**

First operation Check the drawer

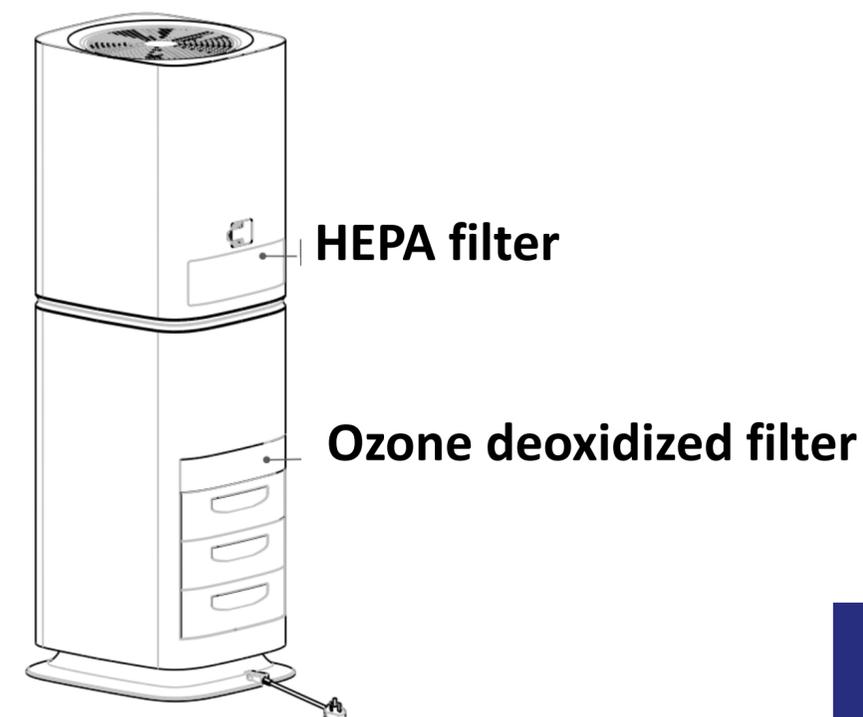
There's a position detection device at the rear side of drawer;
the air purifier can operate normally only when the drawer is installed in place.



Replace filter

The unit must be turned on for consecutive 4h before replacing the filter. Pull out the power
And then replace the filter.

HEPA filter and ozone deoxidized filter can be washed.
Please go to the designated service provider or customer service center to purchase them for replacement.

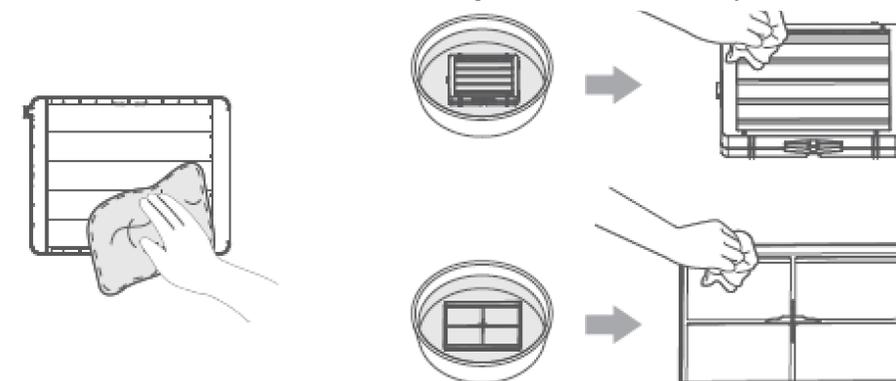
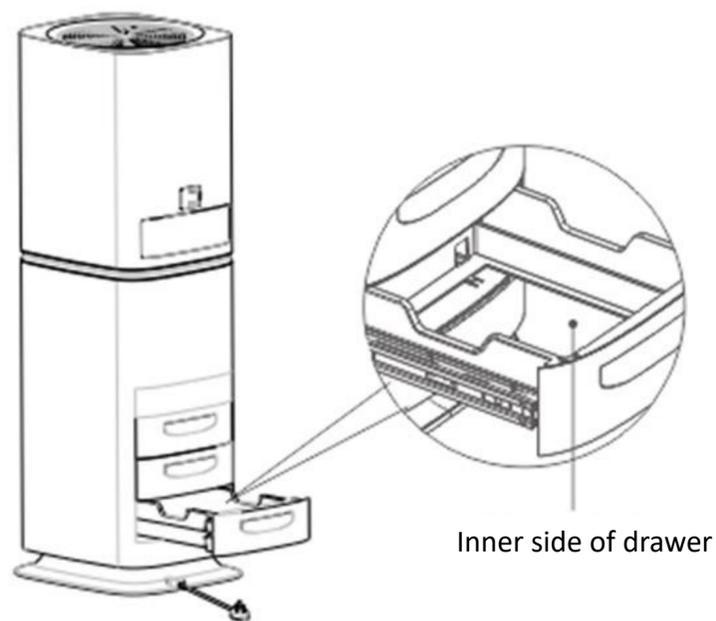
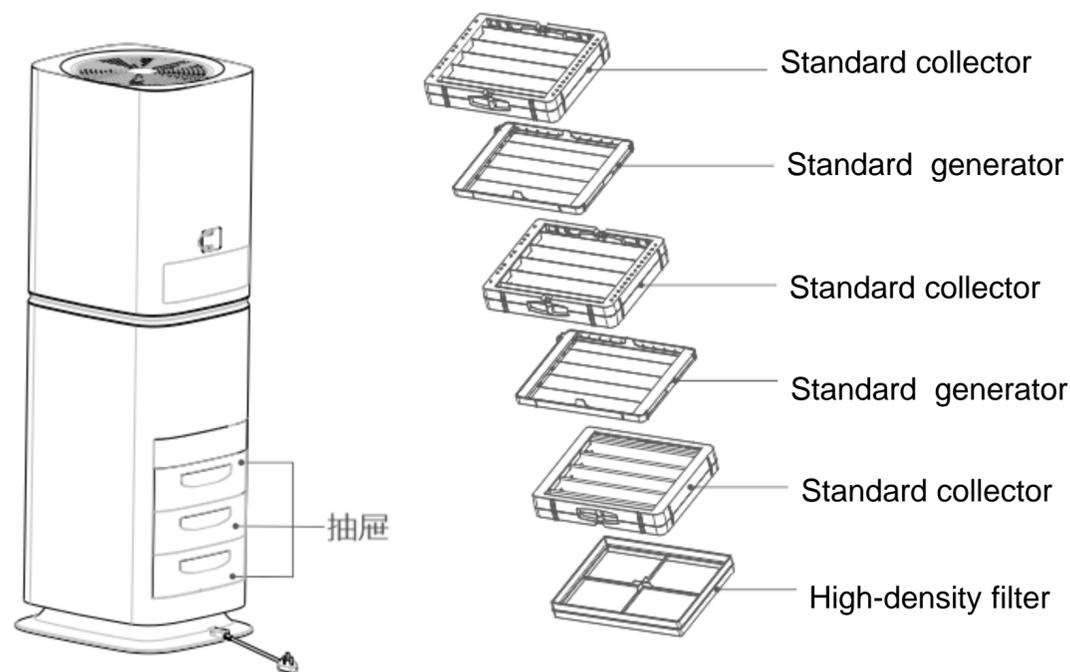


Clean and maintenance

1. Unplug the power cord, open the panel and then pull out the drawer one by one to take out the purification parts (refer to the section of clean and maintenance in the Instruction Manual for detailed procedures).

2. Clean the inner side of drawer: use a soft wet cloth to clean the inner side of drawer and then dry it (or use hair dryer) to make sure it's dried completely.

3. Clean the purification parts: Clean the purification parts and then dry it completely (refer to the section of clean and maintenance in the Instruction Manual for detailed procedures).



4. After cleaning, put back the purification parts at the corresponding drawer, and then push these three drawers one by one into the main unit well. Now, clean and maintenance is

5. Close the panel, connect the power again and press ON/OFF button to turn on the unit.

An aerial photograph of a city with numerous skyscrapers and buildings, partially obscured by a semi-transparent blue rectangular overlay. The text is centered within this overlay.

Gree, Caring for Your Health

THE END