

# 2020 Product Catalog

## The Future in Air Purification Technology

Destroys coronavirus and other harmful pathogens



# LUFTONIC™

ADVANCE GERMAN ENGINEERING 



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ADVANCE GERMAN ENGINEERING 



Luftonic is a leading air purifier company founded by a group of engineers and experts using advance German Technology. Our team is passionately driven to develop innovative technologies that focus on hospital-grade purifiers built for personal use.

## Cleans 50x more than HEPA Filters

Removal of ultra-fine particles down to an amazing 0.001µm



**0.3 µm**  
Particle size that  
HEPA purifier filters

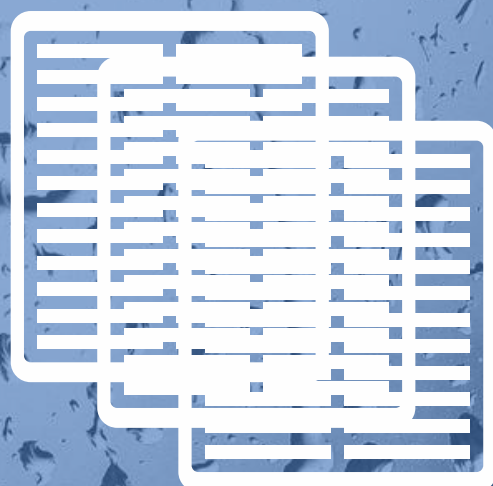


**0.1 µm**  
Novel coronavirus  
(COVID-19) size

**0.001 µm**  
Particle size that  
LC 8 purifier filters

## Washable, Reusable Filters

No expensive consumables



=



Equipped with medical grade heavy-duty reusable filters. No need to keep buying expensive HEPA filter replacements every 3 - 6 months. Save costs on long useful life of reusable filters.



# LEP® Filtration Technology

Beyond traditional ionic technology, Luftonic's patented LEP® technology is tested as the most effective clean air solution on the market. Luftonic is a waste free clean air solution. The unique ionic field is proven to effectively kill and remove 99.99% of viruses and bio-aerosols.

## LEP® FILTRATION TECHNOLOGY

01

### Primary Filter

This is stainless steel mesh that is highly durable and well-built. It will mainly filter particles that are 10 microns and above and acts as the first line of filtration that lengthens the lifespan of the other filters.

02 & 03

### Electrostatic Field & Cold Plasma Ionic Field

This field generates around 40,000 volts that destroys viruses and bacteria alike through the application of high-voltage electrostatic charge. This is the heart of the purifier wherein harmful pathogens are destroyed and is augmented with cold plasma bi-polar ionization which mimics the freshness of forest air where natural ionization happens.



05

### Activated Carbon Filter

Tris-impregnated carbon granules trap foul odors and gases such as formaldehyde, benzene and nitrogen dioxide. This filter has a massive surface space which can be utilized to capture and inactivate large amounts of harmful gases.

04

### UVC Light Filter

This germicidal filter at the wavelength of 254 nm destroys the composition of microbes such as viruses, bacteria, and molds. Luftonic uses the most powerful type of UV which is UVC to effectively destroy harmful pathogens in the air.

06

### Ozone Decomposition Network Filter

This filter breaks down ozone gases found in the air. It augments the activated carbon filter in removing unpleasant odors keeping your air fresh and safe.

07

### Photocatalytic Filter

This filter is coated with an anti-microbial layer and additives. It is the only filter of its kind and has a large surface effect which can be utilized to capture and inactivate large amounts of harmful gases.

08

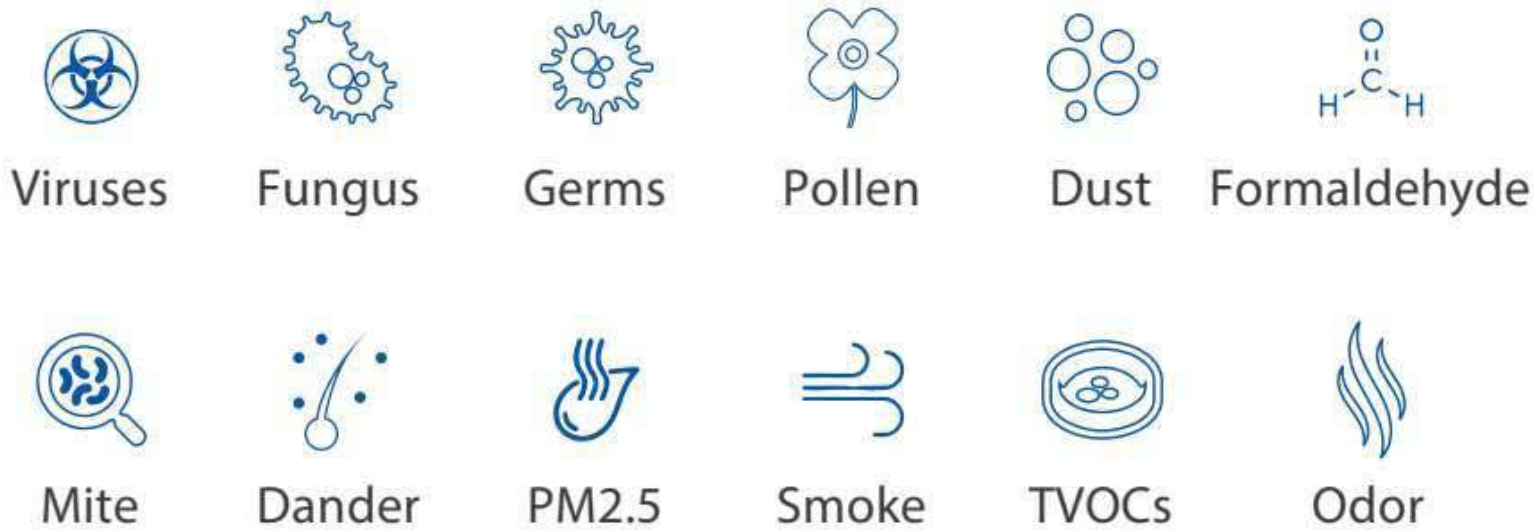
### Acoustic Brushless Motor Filter

This part is highly durable and reliable. It is equipped with large circumferential rotation fan that traps large particles. It is built with acoustic technology and contributes to lower inside temperature which allows for an even longer service life for the machine and internal components.

## EFFICIENTLY REMOVE

# 99.99%

removal of indoor smoke, viruses and bio-aerosols, PM2.5 and ultra-fine particles down to 0.001µm, and total volatile organic compounds



## HIGHLIGHTS

**Ultra-Fine Particles**  
Removal of ultra-fine particles down to an amazing 0.001µm! Compare Luftonic to HEPA limits of only 0.3 microns, which means Luftonic cleans 50X more than HEPA!

**Waste-Free Design**  
Washable and reusable filters.

**Easy Operation**  
Easy to use features.

**Smart Mode**  
The front panel displays air quality index (AQI) and self-adjusts air flow rate according to the ambient AQI levels.

**Quiet Operation**  
Optimized aerodynamic design and reduced air flow resistance.

**Global Tests Validated**  
Luftonic's performance was strictly tested and proven in authoritative test labs.

**Eco-Friendly**  
No disposal of non-degradable filters (HEPA) helps save our planet.

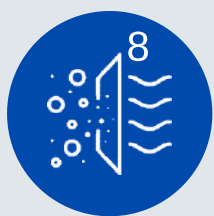
**Ozone Safe**  
EPA-compliant and ozone safe.





# Luftonic LC 8

Our advanced engineered air purification technology is recommended for the hospital, office, restaurant, hotel, school, and home.



**LEP 8-Stage  
Filtration Technology**



**Filtration Accuracy  
Up to 0.001 microns**



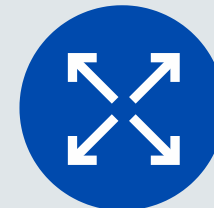
**All Aluminum Body  
Medical Grade**



**Acoustically Designed  
25 decibels**



**Washable Filters  
No Expensive Consumables**



**Large Area Coverage  
Up to 100 m<sup>2</sup>**

## PRODUCT SPECIFICATIONS

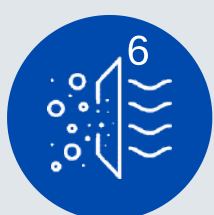


<b>Rated voltage</b>	<b>220V</b>
<b>Rated frequency</b>	<b>60Hz</b>
<b>CADR</b>	<b>600 m<sup>3</sup>/h</b>
<b>Sound</b>	<b>25dB</b>
<b>Rated power</b>	<b>35W</b>
<b>Weight</b>	<b>23.5kg</b>
<b>Dimension</b>	<b>80 x 37 x 25cm</b>
<b>Application Area</b>	<b>60-100 sqm</b>



# Luftonic LC 6

Our advanced engineered air purification technology is recommended for the hospital, office, restaurant, hotel, school, and home.



**LEP 6-Stage  
Filtration Technology**



**Filtration Accuracy  
Up to 0.001 microns**



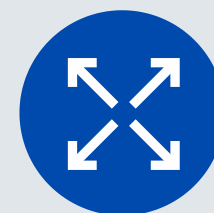
**All Aluminum Body  
Medical Grade**



**Acoustically Designed  
25 decibels**



**Washable Filters  
No Expensive Consumables**



**Large Area Coverage  
Up to 60 m<sup>2</sup>**

## PRODUCT SPECIFICATIONS



<b>Rated voltage</b>	<b>220V</b>
<b>Rated frequency</b>	<b>60Hz</b>
<b>CADR</b>	<b>460 m<sup>3</sup>/h</b>
<b>Sound</b>	<b>25dB</b>
<b>Rated power</b>	<b>25W</b>
<b>Weight</b>	<b>15kg</b>
<b>Dimension</b>	<b>61 x 37 x 25cm</b>
<b>Application Area</b>	<b>20-60 sqm</b>



## Luftonic LW 8

Our advanced engineered air purification technology is recommended for the hospital, office, restaurant, hotel, school, and home.



**LEP 7-Stage  
Filtration Technology**



**Filtration Accuracy  
Up to 0.001 microns**



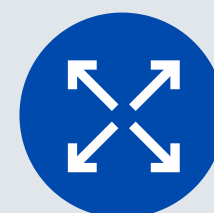
**All Aluminum Body  
Medical Grade**



**Acoustically Designed  
25 decibels**

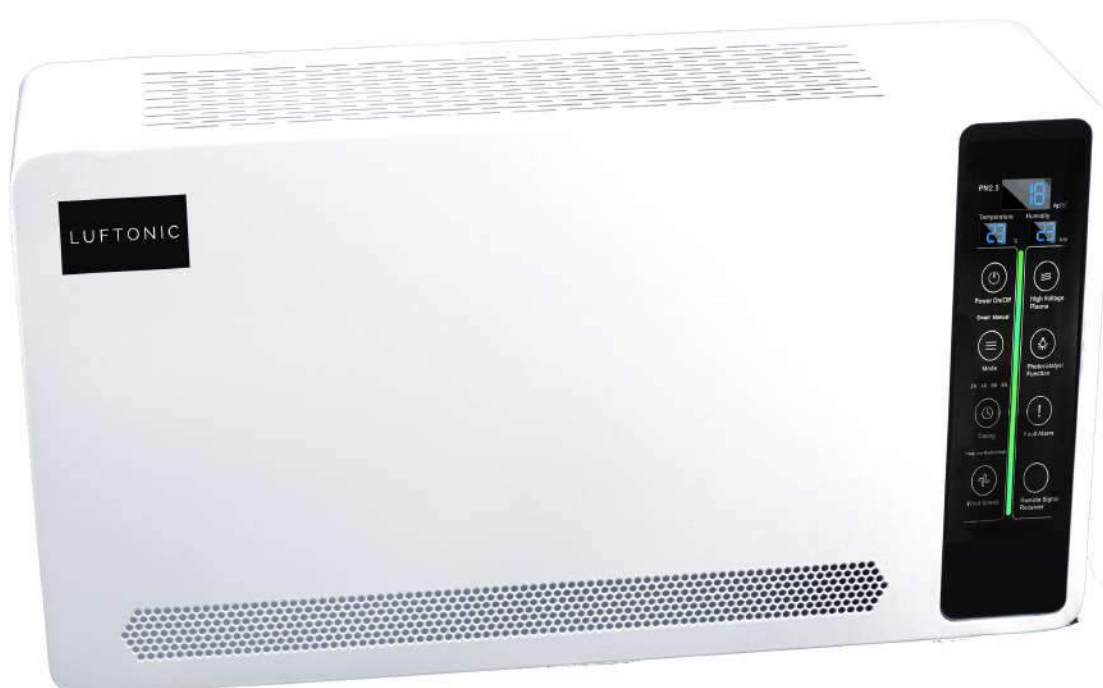


**Washable Filters  
No Expensive Consumables**



**Large Area Coverage  
Up to 60 m<sup>2</sup>**

## PRODUCT SPECIFICATIONS



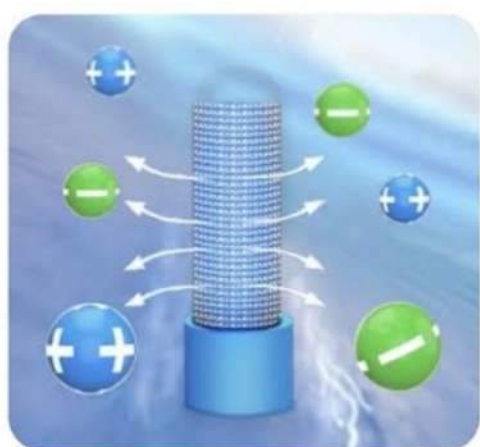
<b>Rated voltage</b>	<b>220V</b>
<b>Rated frequency</b>	<b>60Hz</b>
<b>CADR</b>	<b>350 m<sup>3</sup>/h</b>
<b>Sound</b>	<b>25dB</b>
<b>Rated power</b>	<b>25W</b>
<b>Weight</b>	<b>12kg</b>
<b>Dimension</b>	<b>15 x 58 x 32cm</b>
<b>Application Area</b>	<b>20-60 sqm</b>



# LCP Filtration Technology

Luftonic's Cold Plasma Ionization Filtration Technology is tested as the most effective clean air solution for HVAC integration on the market. Luftonic is a waste-free clean air solution. The electrodes of both positive and negative ion force the discharge to trigger which generates ion clusters. These millions of charge clusters actively collide with viruses and bacteria, effectively destroying them.

## COLD PLASMA IONIZATION FILTRATION TECHNOLOGY



The cold plasma tube produces a large amount of positive and negative ions



Charged ions actively attach to the DNA cell membranes of pathogens, bacteria, viruses, and VOCs.



Charged ions actively attach to the DNA cell membranes of pathogens, bacteria, viruses, and VOCs.



Once oxidized, all substances are destroyed then returned to the air as harmless water vapor.

## EFFICIENTLY REMOVE



Viruses



Fungus



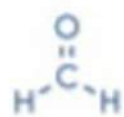
Germs



Pollen



Dust



Formaldehyde



Mite



Dander



PM2.5



Smoke



TVOCs



Odor

# 99.99%

removal of indoor smoke, viruses and bio-aerosols, PM2.5 and ultra-fine particles down to 0.001µm, and total volatile organic compounds

## HIGHLIGHTS



### Ultra-Fine Particles

When electron collides with viruses and bacteria, the energy transferred breaks down the structure of these particles effectively destroying them.



### Fresh Air

Foul odor is oxidized by active ions which is quickly neutralized and decomposed rendering the air very fresh.



### Easy Operation

Easy to use features.



### Quiet Operation

Optimized aerodynamic design and reduced air flow resistance.



### Global Tests Validated

Luftonic's performance was strictly tested and proven in authoritative test labs.



### Eco-friendly

No disposal of non-degradable filters (HEPA) helps save our planet



### Ozone Safe

EPA-compliant and ozone safe.



# LUFTONIC™

ADVANCE GERMAN ENGINEERING 

## Luftonic LI 1

Our advance engineered air purification technology is recommended for commercial and residential use and is integrated in the HVAC system.



Luftonic Cold Plasma Ionization Filtration Technology



Filtration Accuracy Up to 0.001 microns



All Stainless Steel Body Medical Grade



Acoustically Designed 20 decibels



Washable Filters



Large Area Coverage Up to 80 m<sup>2</sup>

## PRODUCT SPECIFICATIONS



Rated voltage	220V
Rated frequency	60Hz
CADR	2,550 m <sup>3</sup> /h
Sound	20db
Rated power	5W
Weight	1kg
Dimension	13 x 5 x 26cm
Application Area	60-80 sqm
Tube Size	18cm





# Luftonic LI 3

Our advance engineered air purification technology is recommended for commercial and residential use and is integrated in the HVAC system.



Luftonic Cold Plasma Ionization Filtration Technology



Filtration Accuracy Up to 0.001 microns



All Stainless Steel Body Medical Grade



Acoustically Designed 20 decibels



Washable Filters



Large Area Coverage Up to 150 m<sup>2</sup>

## PRODUCT SPECIFICATIONS



Rated voltage	220V
Rated frequency	60Hz
CADR	8,500 m <sup>3</sup> /h
Sound	20db
Rated power	15W
Weight	3kg
Dimension	19 x 19 x 43cm
Application Area	100-150 sqm
Tube Size	35cm





# Luftonic LI 5

Our advance engineered air purification technology is recommended for commercial and residential use and is integrated in the HVAC system.



Luftonic Cold Plasma Ionization Filtration Technology



Filtration Accuracy Up to 0.001 microns



All Stainless Steel Body Medical Grade



Acoustically Designed 20 decibels



Washable Filters



Large Area Coverage Up to 500 m<sup>2</sup>

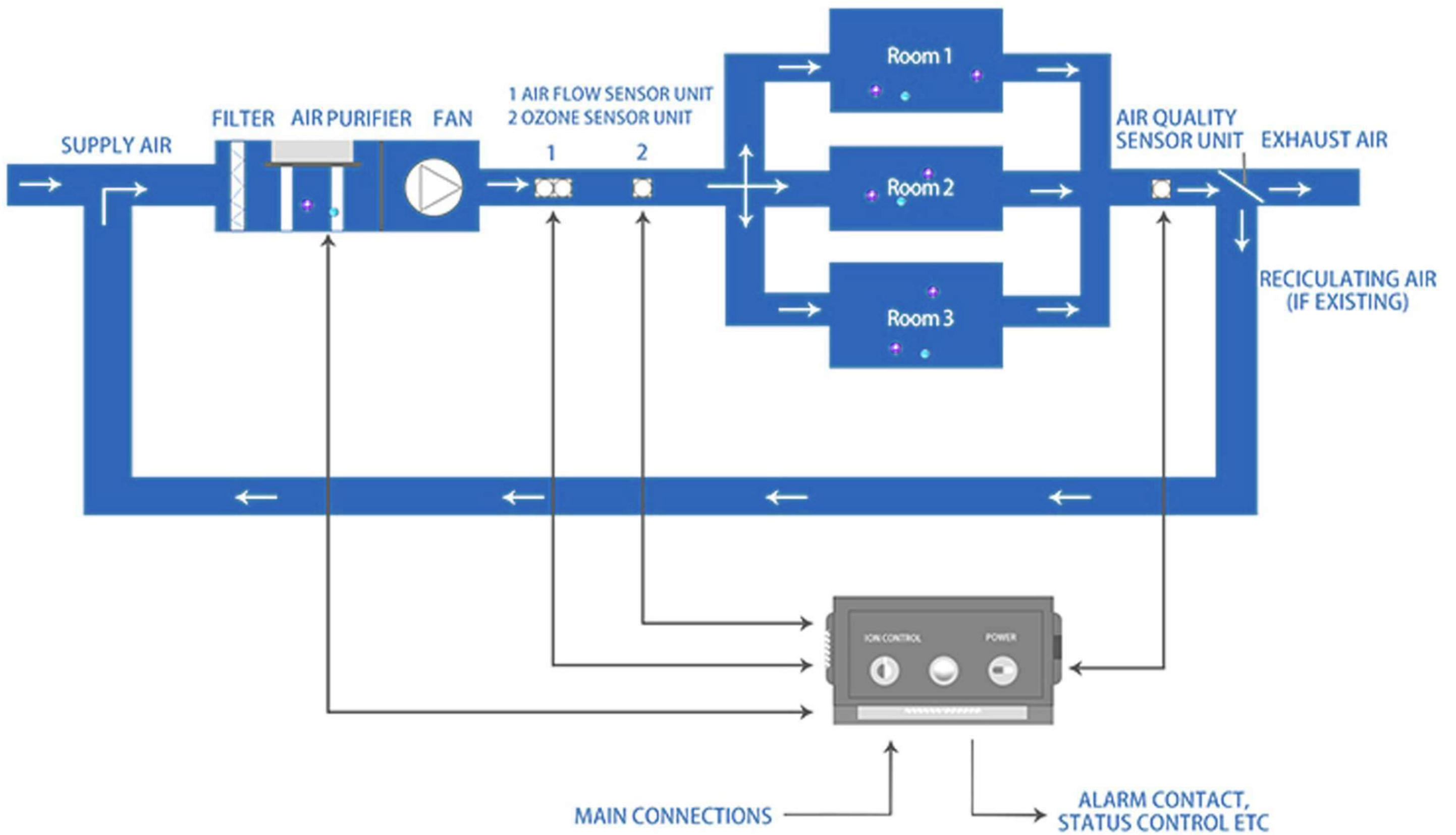
## PRODUCT SPECIFICATIONS



Rated voltage	220V
Rated frequency	60Hz
CADR	15,000 m <sup>3</sup> /h
Sound	20db
Rated power	75W
Weight	12kg
Dimension	71 x 28 x 22cm
Application Area	400-500 sqm
Tube Size	52cm



# APPLICATIONS

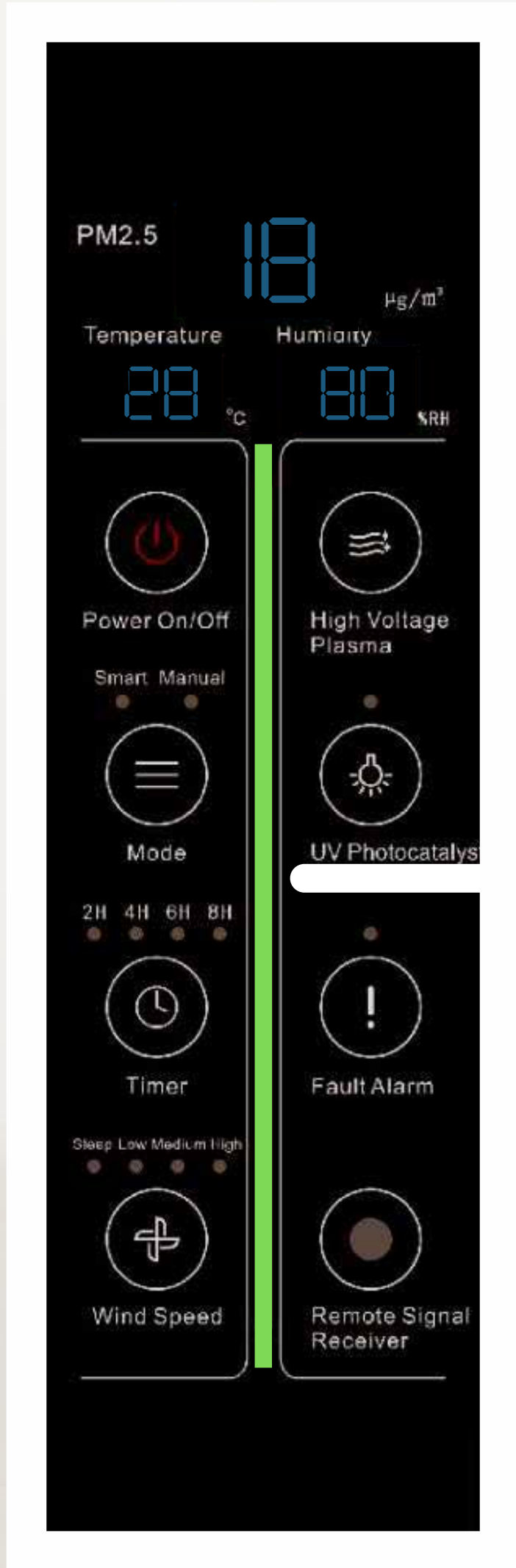


The Luftonic In-duct Series can be directly integrated in the ducting system (including AHU and PAU), fan coil, and air-conditioning ducts. The product can be easily installed and can respond to different environmental factors to disinfect covered area and achieve significant air quality improvements.



# LUFTONIC™

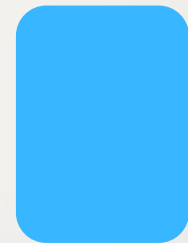
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## Liquid Crystal Display Air Quality Index



**Excellent air quality**



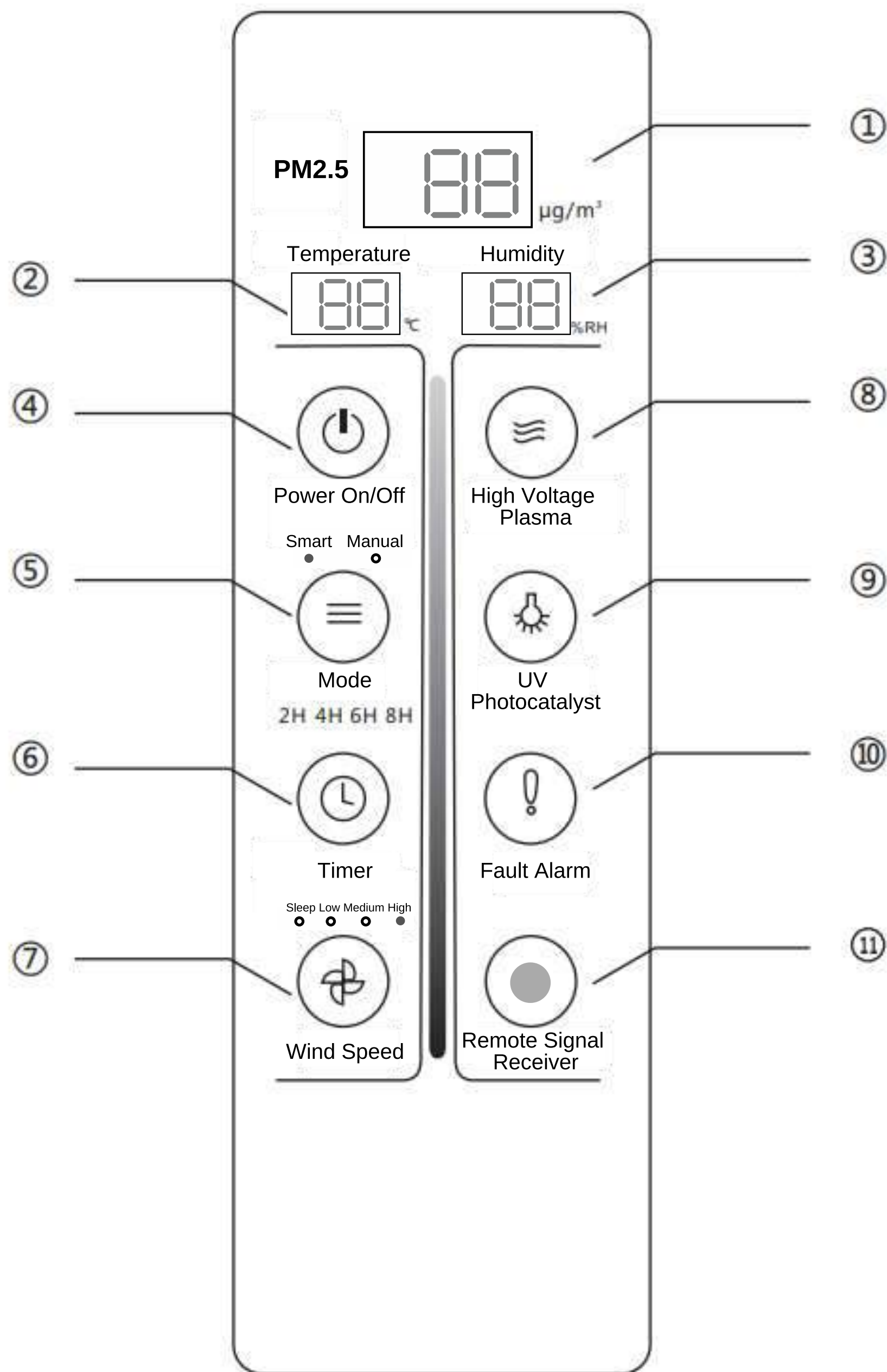
**Good air quality**



**Poor air quality**









# CONTROLS



1. PM2.5 Display
2. Indoor Temperature Display
3. Indoor Humidity Display
4. Power
5. Mode
6. Timer
7. Wind Speed
8. High Voltage Plasma
9. UV Photocatalyst
10. Fault Alarm
11. Remote Signal Receiver



# CONTROLS

Button	Description
	<p><b>Power Button</b></p> <ul style="list-style-type: none"><li>• Tap the "power" button on the main control panel, and the machine makes a beep sound. This will make the key indicator light up in green and then the machine enters into "working" mode. At the same time, PM2.5 index, temperature, humidity and air quality are lit and displayed on the main control panel.</li><li>• Touch the "power" button of the operation panel to turn the machine off. The power indicator lights up in red and will enter into standby mode.</li></ul>
	<p><b>Mode Selection</b></p> <ul style="list-style-type: none"><li>• Tap on the "Mode" key on the main control panel. If the "Smart" lights up, the machine is under Smart Mode, and if the "Manual" lights up, the machine is under Manual Mode.</li><li>• When Smart Mode is selected, the Timer Switch and the Air Volume Switch on the operation panel will automatically be locked. The machine will automatically adjust the corresponding purification wind speed according to the current air quality.</li><li>• When selecting the Manual Mode, wind speed can be configured by adjusting the corresponding function keys according to your desired requirements.</li></ul>
	<p><b>Timer</b></p> <ul style="list-style-type: none"><li>• If timer function is required, switch to manual mode and tap on the "timer" key to choose "2H," "4H," "6H" or "8H" as needed.</li></ul>
	<p><b>Wind Speed Adjustment</b></p> <ul style="list-style-type: none"><li>• Under the Manual Mode, pressing the "wind speed" key will change the wind speed from "sleep" to "low," "medium," and "high." When it reaches "high," tapping the key again returns it to "sleep" level.</li></ul>
	<p><b>High Voltage Plasma</b></p> <ul style="list-style-type: none"><li>• Under Smart or Manual Mode, tap on the "high voltage plasma" key on the main control panel to turn it on or off.</li></ul>
	<p><b>UV Photocatalyst Function</b></p> <ul style="list-style-type: none"><li>• Selecting the Smart or Manual Mode, tap on the photocatalyst key on the main control panel to turn it on or off.</li></ul>

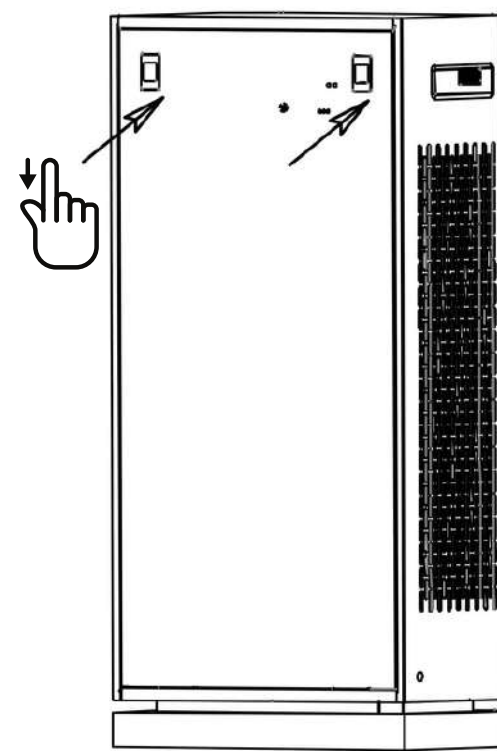


# CLEANING GUIDE

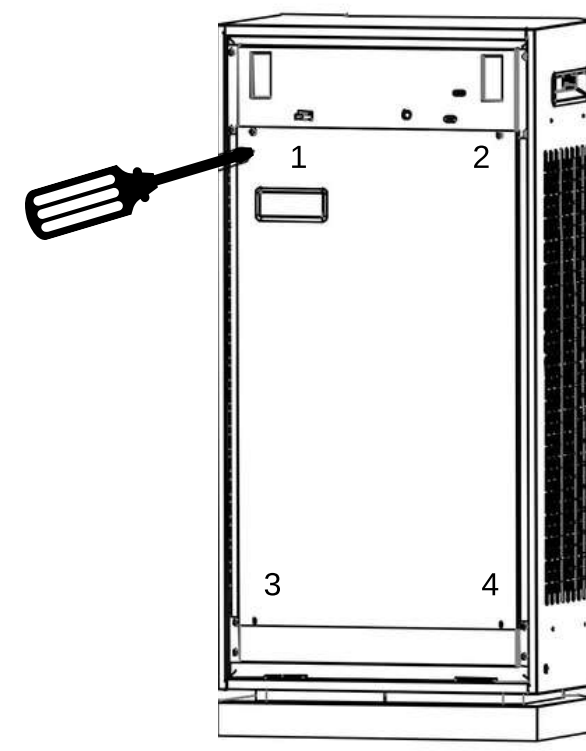
It is recommended to clean the filters every 3 months.

## Step 1:

Open the two door locks of the Luftonic Purifier by pressing down the locks. Afterwards, slowly pull out the purifier door.



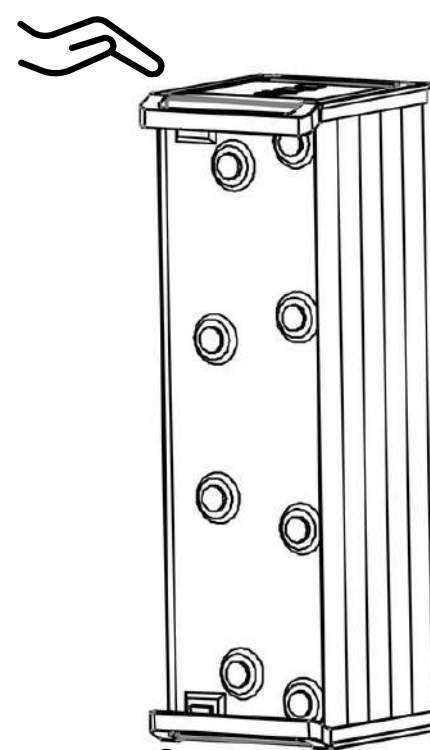
Step 1



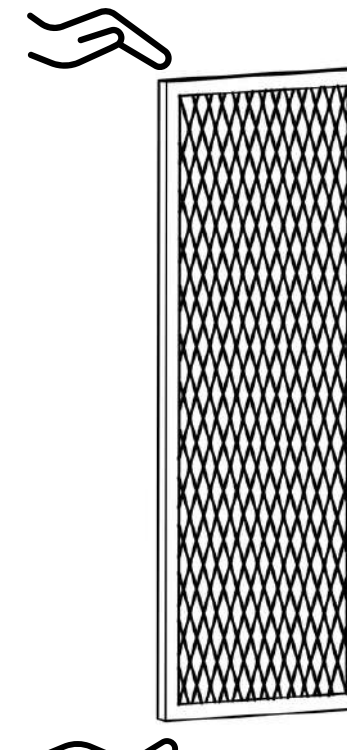
Step 2

## Step 2:

Remove the four screws located at the backplate and then take the backplate down.



Step 3



Step 4

## Step 3:

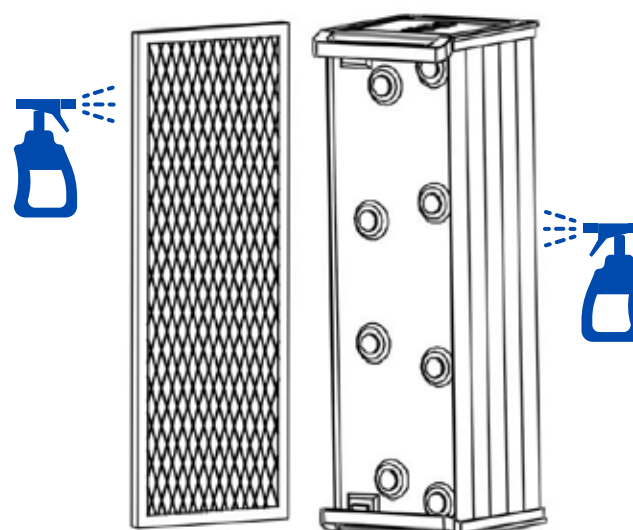
Slowly take out the Electrostatic Module (2) housing the Three Zone Ionic Field & Negative Ion Generator.

## Step 4:

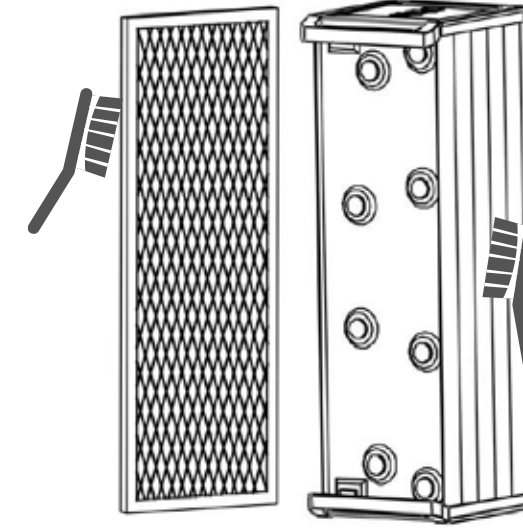
Slowly take out the Primary Filter (1).

## Step 5:

Spray both the module and filter with cleaning detergent. Note to use neutral detergent and not 100% as it is corrosive. Spray evenly and fully then leave for 15 minutes.



Step 5



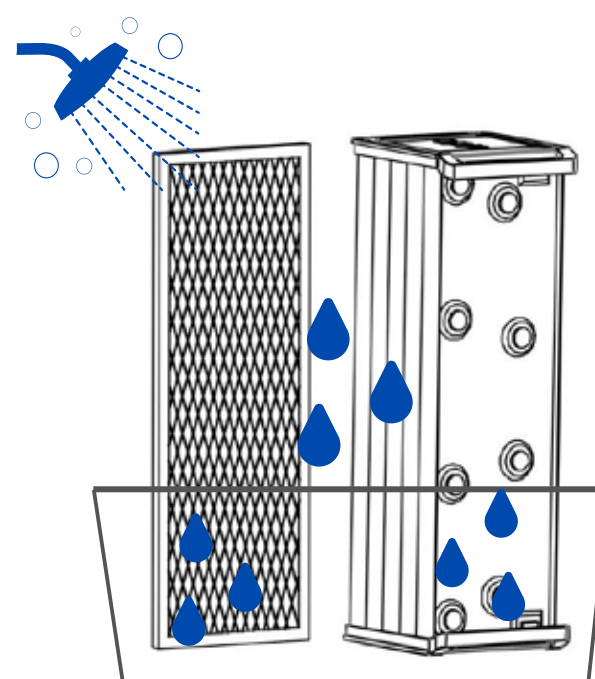
Step 6

## Step 6:

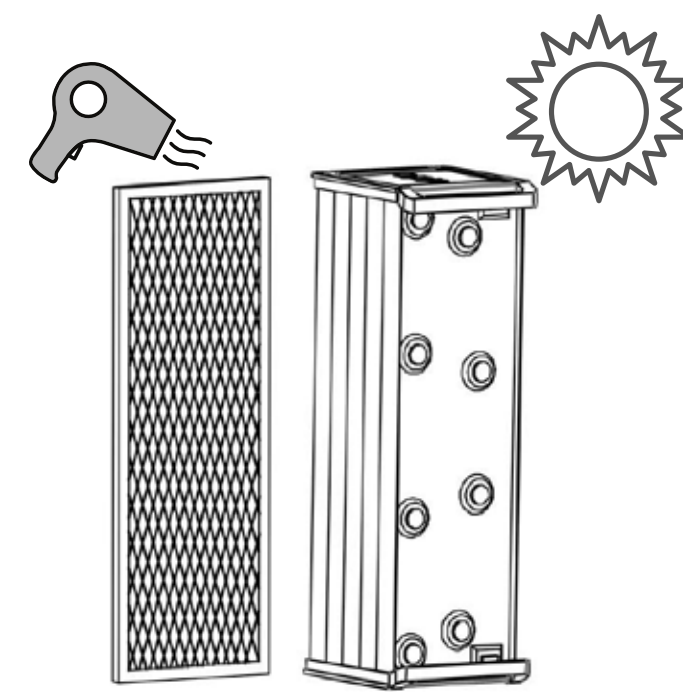
Slowly clean both the module and filter with a soft cleaning brush.

## Step 7:

Wash the module and filter thoroughly with distilled or filtered water.



Step 7



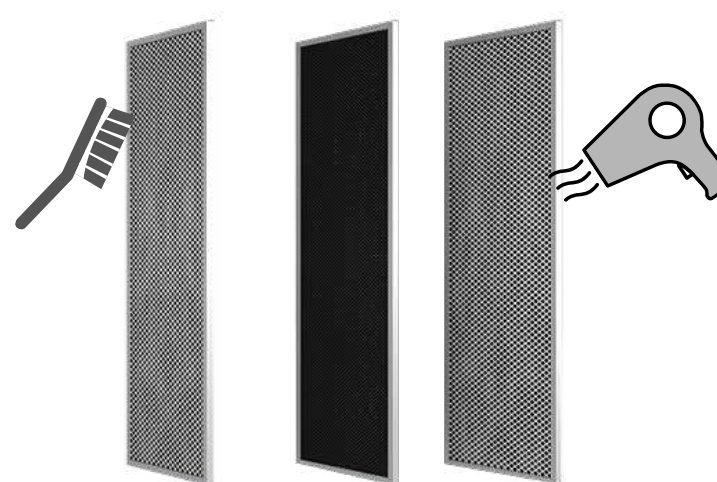
Step 8

## Step 8:

Dry the module and filter thoroughly with a dryer or natural sunlight. Afterwards, leave it for 12-15 hours to dry further.

## Step 9:

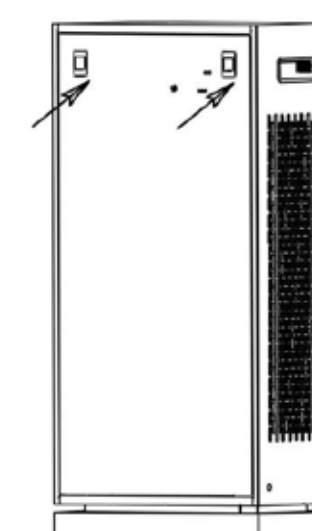
For the Activated Carbon Filter, Ozone Decomposition Network Filter, and UV Photocatalytic Filter, do not wash with water. Slowly dry clean these filters with a soft cleaning brush and a blower.



Step 9

## Step 10:

Slowly place all the filters and module back into their corresponding place one by one.



Step 10



# SAFETY AND PRECAUTION

Before operating this equipment, carefully read and follow these safety cautions

## Ensure filters are inserted before running unit.

Running unit without filters can shorten the units life and cause electric shock or injury.

## Be sure foreign objects are NOT inserted into the vents on the unit.

Objects can include pins, rods, and coins.

## Do not touch any part of the interior of the unit with wet hands.

The high voltage may cause electric shock.

## Ensure unit intake and outlet vents do not become blocked.

Blockage may lead to increased internal temperatures causing product failure and deformation.

## Do not use the unit as a step stool or place heavy objects on it.

Personal injury may occur or product failure and deformation.

## WARNING!

Follow these instructions to reduce the risk of serious injury or death and to reduce risk of damaging the unit.

- Do not pull on the power cord when unplugging the unit.
- Do not tie or knot power cord when unit is in operation.
- If the unit becomes submerged in water, unplug it and contact customer service.
- Do not unplug or move the unit while in operation.
- Unplug unit when not in operation for extended periods of time.
- Do not touch the plug with wet hands.
- Cord can become damaged by forcefully bending, pulling, twisting, bundling, pinching or placing heavy objects on it.

# FILTER CARE

Filter	When to clean	When to replace
Electrostatic Module	Wash every 3 months.	5 - 8 years
Primary Filter		2 - 3 years
Activated Carbon Filter	Dry clean every 3 months. Can NOT be washed.	2 - 3 years
Ozone Decomposition Filter		
UV Photocatalytic Filter		

- Intervals between filter replacement may vary depending on environment.
- For optimal performance, only Luftonic filters should be used with this unit.
- The filters' life varies depending on the level of pollutants in the air. The more dust present in the environment, the more dust accumulates in the filters, shortening the life.



# FREQUENTLY ASKED QUESTIONS

Problem	Check / Actions to take
<p>The unit does not turn on at all.</p>	<ul style="list-style-type: none"> <li>• <i>Is the plug securely attached to the outlet?</i> - Make sure the outlet has power going to it, and ensure the plug is secured.</li> <li>• <i>Is there a power outage?</i> - Check to see if other lights and electrical equipment are working and try again.</li> <li>• <i>Is the back cover properly attached to the unit?</i> - Make sure the safety control pin is properly aligned. It should hit the inside power button when pressed by the back cover.</li> </ul>
<p>The unit vibrates and makes a lot of noise.</p>	<ul style="list-style-type: none"> <li>• <i>Is it running on a slanted or uneven surface?</i> - Move the unit to a hard, flat, even area of the floor.</li> </ul>
<p>Luftonic LC8 uses high voltage, is it safe for home use?</p>	<p>Luftonic LC8 uses an advanced electronic design built around safety. The power consumption of Luftonic is equivalent to a small light bulb. It has high voltage inside but very low current in the order of micro-amps. The high voltage runs on direct current to avoid any possible electronic perturbation.</p>
<p>How could I know it is cleaning the air?</p>	<p>You will notice the AQI (Air Quality Index) number decreasing when the air purifier is on. Also, after using Luftonic LC8 for a few weeks, you can actually see many of the pollutants absorbed on the collecting plates when you take the plates out of Luftonic LC8 to clean.</p>
<p>I heard a "cracking" or "zapping" noise inside the unit. Is that normal?</p>	<p>The occasional "zapping" or "cracking" is normal when the bigger particles enter the air purifier, being zapped by the high voltage, similar to when a bug zapper traps a bug. However, if the "cracking" or "zapping" noise is constant, you should clean the unit and make sure that all parts in the unit are fully dried after you clean the unit. 80% of the noise issues are caused by dust accumulation on the collecting plates and/or inner chamber, or by wet collecting plates. Normally a full clean cycle will take care of this all.</p>
<p>How to use the High Voltage Plasma and UV Photocatalytic function?</p>	<p>The High Voltage Plasma and UV Photocatalytic function should ideally be used and turned on 30 minutes each day or every other day to effectively destroy bacteria and pathogens.</p>



# SAFETY INSTRUCTIONS

Thank you for purchasing Luftonic air purifier. This product is for indoor use only.

## IMPORTANT PRECAUTIONS FOR USING YOUR AIR PURIFIER

**WARNING :** Follow the instructions in this manual to reduce the risk of electric shock, short circuit, and/or fire.

- *Do not repair or modify the unit unless specifically recommended in this manual.*
- *All other repairs should be completed by a qualified technician.*
- *Do not use if the power cord or plug is damaged or the connection to the wall outlet is loose.*
- *Do not damage, break, forcefully bend, pull, twist, bundle, coat, pinch, or place heavy objects on the power cord.*
- *Periodically remove dust from the power plug. This will reduce the risk of shock due to humidity build up.*
- *If the power plug is damaged, it must be replaced by the manufacturer or a qualified technician.*
- *Remove the power plug from the outlet before cleaning the unit. When removing the power plug, grasp by holding the plug itself, never hold by the cord.*
- *Remove the power plug from the outlet when not in use.*
- *Do not handle the power plug with wet hands.*
- *Do not operate the unit when using indoor smoke-generating insecticides.*
- *Do not clean unit with benzene or paint thinner. Do not spray insecticides on the unit.*
- *Do not use the unit where it is humid or where the unit may become wet, such as the bathroom.*
- *Do not insert fingers or foreign objects into air intake or outlet.*
- *Do not use the unit near flammable gases.*
- *Do not use near cigarettes, incense, or other spark-creating items.*
- *Unit will not remove carbon monoxide emitted from heating appliances or other sources.*
- *Do not block the intake or outlet vents.*
- *Do not use near hot objects, such as a stove.*
- *Do not use where the unit may come into contact with steam.*
- *Keep away from products that generate oily residue, such as a deep fryer.*
- *Do not operate without a filter.*



# FCC STATEMENT

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

For a Class B digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## RF Exposure Warning

This equipment must be installed and operated in accordance with provided instructions and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

# WARRANTY

The company warrants this product to the original purchaser to be free from defects in workmanship and materials under normal use and service for 1 year from the date of purchase.



# LAB TESTS & CERTIFICATES

中国认可 国际互认 检测 TESTING CNAS L0823 202019001121

Test No. KJ202001788

GUANG ZHOU INSTITUTE OF MICROBIOLOGY  
TEST REPORT

Date Received: Mar. 18, 2020  
Date Analyzed: Mar. 18, 2020

**Test Results**

Number of Sample	Test Time (min)	Test Strain	Test Number	Control Group			Test Group		Eliminating Bacterial Rate $K_t$ (%)
				Original Bacteria Count $V_0$ (cfu/m <sup>3</sup> )	Bacteria Count after Treatment $V_1$ (cfu/m <sup>3</sup> )	Natural Decay Rate $N_t$ (%)	Original Bacteria Count $V_1$ (cfu/m <sup>3</sup> )	Bacteria Count after Treatment $V_2$ (cfu/m <sup>3</sup> )	
KJ20201788-1	60	<i>Staphylococcus albus</i>	1	1.18×10 <sup>5</sup>	9.66×10 <sup>4</sup>	18.14	1.18×10 <sup>5</sup>	7	
			2	1.22×10 <sup>5</sup>	9.82×10 <sup>4</sup>	19.51	1.25×10 <sup>5</sup>	7	99.99
			3	1.14×10 <sup>5</sup>	9.49×10 <sup>4</sup>	16.75	1.16×10 <sup>5</sup>	7	99.99
			Mean						99.99
KJ20201788-1	60	<i>Klebsiella pneumoniae</i>	1	1.06×10 <sup>5</sup>	8.04×10 <sup>4</sup>	24.15	1.04×10 <sup>5</sup>	7	99.99
			2	1.11×10 <sup>5</sup>	8.18×10 <sup>4</sup>	26.31	1.09×10 <sup>5</sup>	7	99.99
			3	1.02×10 <sup>5</sup>	7.62×10 <sup>4</sup>	25.29	1.00×10 <sup>5</sup>	7	99.99
			Mean						99.99

\*\*\* End of report\*\*\*

Luftonic Test Reports showing its ability to destroy bacteria.

**99.99%**  
Removal Rate of Bacteria

Test No. KY20200255

GUANG ZHOU INSTITUTE OF MICROBIOLOGY  
TEST REPORT

Date Received: Mar. 18, 2020  
Date Analyzed: Mar. 19, 2020

**Test Method For Removal of Airborne Viral Aerosols**

- Test Equipment
  - Strain: *Influenza A virus A/PR8/34 H1N1*
  - Cells: MDCK
- Test Conditions
  - Environment temperature: (23-25) °C
  - Environment relative humidity: (50-60) %
  - Test time: 60min
  - The volume of the test chamber: 30 m<sup>3</sup>
  - Machine setting: "The highest gear"

**Test Results**

Virus	Test Number	Virus Titer of Control Group			Virus Titer of Test Group		Removal rate (%)
		Initial Concentration (TCID <sub>50</sub> /m <sup>3</sup> )	Finish Concentration (TCID <sub>50</sub> /m <sup>3</sup> )	Natural Decay Rate (%)	Initial Concentration (TCID <sub>50</sub> /m <sup>3</sup> )	Finish Concentration (TCID <sub>50</sub> /m <sup>3</sup> )	
A/PR8/34 (H1N1)	1	1.60×10 <sup>5</sup>	2.70×10 <sup>4</sup>	83.13	5.06×10 <sup>5</sup>	/	> 99.99
	2	5.06×10 <sup>5</sup>	8.99×10 <sup>4</sup>	82.23	1.60×10 <sup>5</sup>	/	> 99.99
	3	7.48×10 <sup>5</sup>	1.60×10 <sup>5</sup>	78.61	5.06×10 <sup>5</sup>	/	> 99.99

\*\*\* End of report\*\*\*

Luftonic Test Reports showing its ability to destroy viruses.

**99.99%**  
Removal Rate of Viruses









# MEMO



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