

Air Purifier

Instructions



Model: ZAP 02



ZASS[®]
Worldwide comfort

The only importer in Romania: S.C. ZASS Romania S.R.L.
(CUI RO15328988)
Ungheni nr. 40 A, cod 547605, County: Mureş
Telefon/Fax : 0265-262870, 0265-269209
Fax: 0265-307670
www.zassromania.ro, e-mail: office@zass.ro

Congratulations on purchasing this ZASS product. Like all ZASS products, this product was designed on the basis of the latest technical knowledge and was manufactured using the most reliable and modern electrical / electronic components.

Before putting the appliance into operation, please allow yourself a few minutes to read the following instructions for use.

Thank you !

Air Purifier

--- Completely purify the indoor air, Building the most comfortable housing environment.

Remove smoke and dust	<p>All kinds of smoke and dust in the air are harmful to human health. For example, the air pollutant from smoking can stay for 10 days in the air. 80% harm is from second hand smoking. The second hand smoking is from the carrier and catalyzer of many pollutants.</p> <p>Air Purifier can effectively filter all kinds of floating smoke and dust in the air , and easily solve the problem of housing environmental pollution.</p>
Dispel odors	<p>Ozone with its strong oxidability can fast decompose organism and inorganics which generate bad smell and other odors. And make these odors matters to be innocuous matters.</p>
Ozone Purifier	<p>Ozone is well known as one of the strongest oxidizer. It can effectively kill hepatitis virus, flu virus, SARS, H1N1, etc. And it also can treat respiratory disease. It's bendeficial to the health care, killing virus and sanitize, purifying air.</p>
High concentration of negative-ion	<p>Negative ion can fast absorb and neutralize harmful substance, promote human body metabolism, improve immunity and adjust human body balance. It is also named as "Air Vitamin".</p> <p>Negative ion is affirmed to have the function of virus-killing and air purification. The quantity of negative ion is also one of the most important standards which estimate the air.</p>
Four layer filtration	<ol style="list-style-type: none">1. Front filter net, with antibacterial material, it can remove dust, pollen etc.2. Formaldehyde filter net, it can remove formaldehyde and other volatile organic compounds.3. Active carbon net, it can effectively remove bad smell and harmful gases.4. HEPA filter, with anibacterium covering, it can effectively remove tiny dust and smoke.
Decompose formaldehyde	<p>Active oxygen with its strong oxidability can fast decompose formaldehyde, benzene, TVOC and other harmful gases, eliminate ordos.</p>
UV sterilizer	<p>UV can kill all kinds of microorganism, including virus, spore, bacillus, fungus, mycoplasma, etc. It has broad spectrum function.</p>
No second pollution	<p>Ozone is unstable under natural situation. It easily break up in O₂. Its half life is 20-30 minutes. It can increase the oxygen levels in the air, make air fresh and clean.</p>

Catalogue

Parts Name.....1-2

More Information.....3

Safety and Notification.....4-5

Common Operations.....6-7

Maintenance.....8

Fault Removal.....9

Spare Part for Sale(Filter).....10

Filter Changing Method.....10

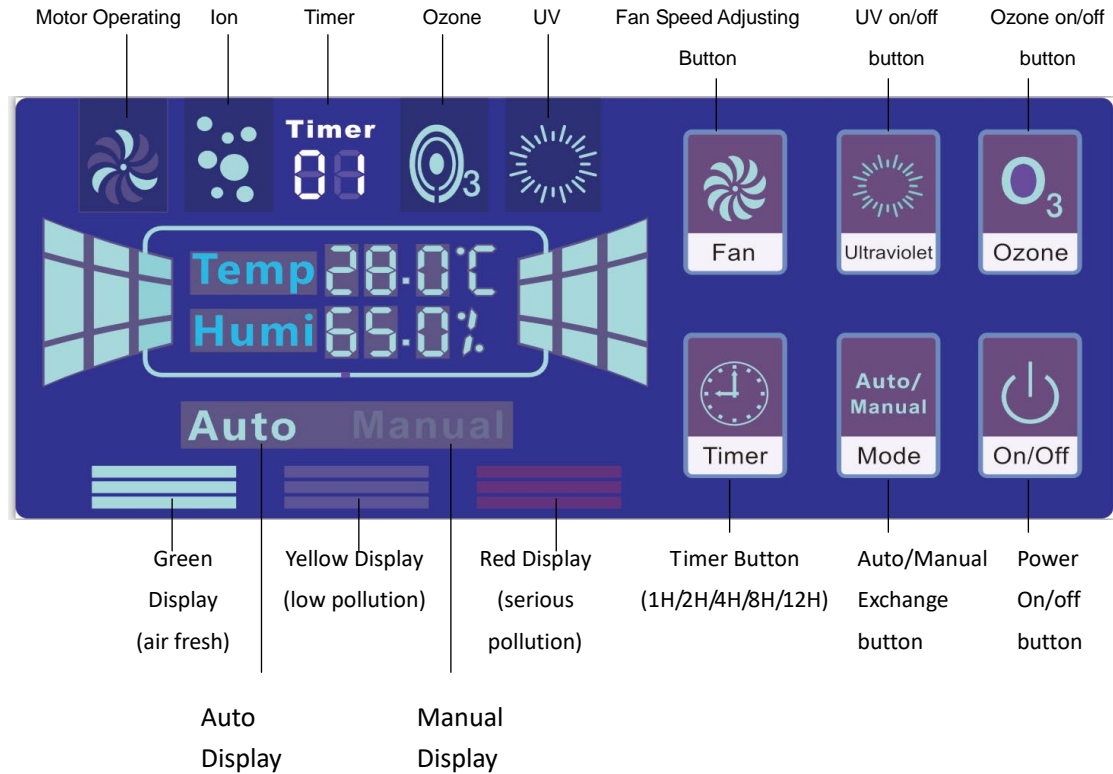
Specification.....11

Standards information.....11

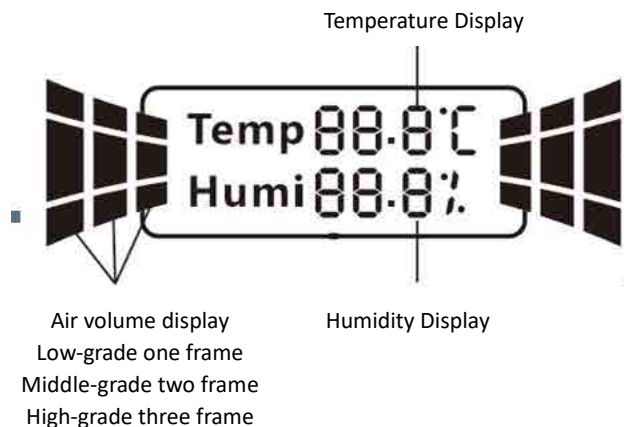


Parts Name

Operation Panel Diagram



Timer: Show the countdown time of its working in hours. After the appliance is working for one hour, the timer reduces by an hour. The timer can be setup through 1H-2H-4H-8H-12H. When the appliance is running, the related function word of instruction symbols is bright or flashing.



Air volume at low speed:

Air volume displays one frame and flashing, motor running and instruction symbols running too.

Air volume at middle speed:

Air volume displays two frame and flashing, motor running and instruction symbols quicker running .

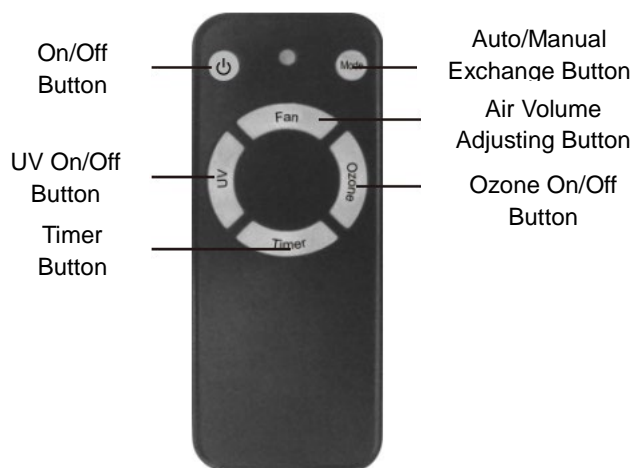
Air volume at high speed:

Air volume displays three frame and flashing, motor running and instruction symbols fast running .

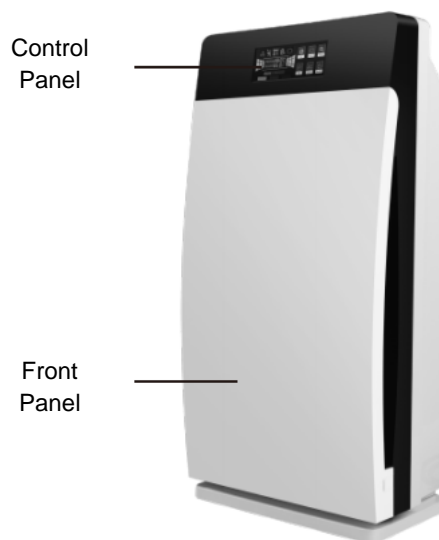
※When operating the appliance press button each time(button panel or remote control), buzzer issues voice “di”, it shows the operation is working very well

Parts Name

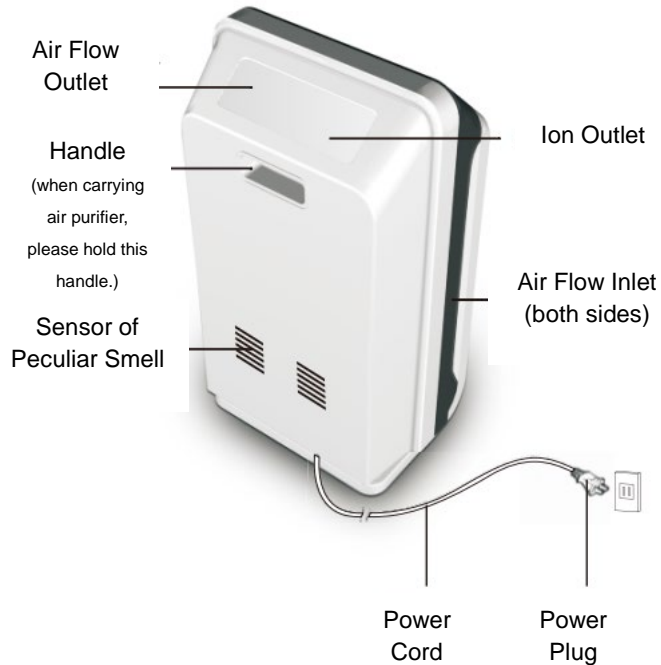
Remote Control



The Front



The Back



Main Machine

1. Dust collection filter net: including front net and HEPA filter, effectively remove dust, pollen, and smoke.
2. Deodorization filter net: including active carbon and formaldehyde filter net, effectively wipe off particular smell, formaldehyde, and other harmful gas, organic compound and so on.

More Information

Real-time monitoring air quality	<p>This air purifier detects air quality and automatically adjusts air flow, which is much more efficient to purify the air. The sensor detects the degree of air pollution.</p> <p>Green display-Air is fresh without pollution. Air quality is good. Yellow display-A little air pollution. Air quality is not very bad. Red display-Serious pollution. Air quality is very bad.</p>
---	--

Real-time monitoring air quality	<p>This device adopts active oxygen technology and ion technology which are the most advanced in the world, and multiple purification system including HEPA, active carbon, UV, etc. It is controlled by microcomputer and operated manually and by remote control. It can effectively filtrate air, eliminate peculiar smell, decompose harmful gas and sterilize. With dual-use, it can purify the air and sterilize the air at the same time. Its air exchange ability is powerful. Exchange capacity per minute is up to 5m³. It takes only 15 minutes to fully filtrate air in 30m² room.</p>
---	--

Sensor Feature	Sensing Range	Sensing Sometime	Can't Sensing
Odor sensor	Smoke, dust, pollen, oil smoke.	Particles of cooking and pet. Any odor with particles.	Mildew reproductive cells, bacteria, virus.

- When the machine is put near an air-conditioner or heater, because of indoor air flowing, the work of bad smell sensor and dust sensor will be different.

Efficient and Composite Filter (Include HEPA filter, active carbon filter and cold-catalyst filter)
<p>1. HEPA filter: It can remove more than 99.99% particles with diameter of 0.3mm (1/200 diameter of the hair). HEPA is the most efficient filter media to pollutants including smoke, dust and bacteria (The diameter of particle caused by smoking is 0.5mm.).</p> <p>2. Active carbon filter: It is internationally accepted by drug experts, whose physical function is deodorization and sterilization. There are no chemical additives.</p> <p>3. Cold-catalyst filter: It is a kind of high-tech catalyst, not only catalyzing formaldehyde's oxidizing reaction, but also ammonia, toluene, xylene, hydrogen sulfide and many other pernicious gases of TVOC. The reaction products are water and carbon dioxide.</p>



Safety and Notification

To avoid the danger, please pay attention to the safety instructions.

These flags are ignored or misinterpreted, will have the following two cases.









Warning:	Expressed by the sign reads: that could lead to serious injury or death.
Attention:	Expressed by the sign reads" may result in personal injury and damage to other items."

Classify the symbol with marks as below:

 This is for forbidden matter
 This is for forced matter.
 This is for caution matter.







Warning










 <p>Don't touch the power plug with wet hand. Otherwise you may get electric shock!</p>	 <p>Before you clean the appliance make sure that it's disconnected with power. Otherwise the appliance maybe not work sudden; and it may cause electric shock.</p>
 <p>Don't use it at the overrun rated power,universal socket or connecting device. Only use it at AC 220V power. Otherwise the power cord may be over heated, and it may cause fire.</p>	 <p>Please make sure the plug completely inserted into the socket If not, it may cause electric shock or catch fire. Don't use the broken plug or loose</p>
 <p>Don't damage the power cord or socket. Don't cut, refit excessively objects on the power cord. Don't lay heavy objects on the power cord. Otherwise, the power cord may be over heated and it may cause fire. Repair the power cord or plug, please contact the authorize repair shop.</p>	 <p>Please clean power plug at regular intervals. If the power plug has dust, moisture, it may break the insulated part if the plug and it may cause fire.</p>
 <p>Don't drag the power cord when move or store the appliance. Otherwise it may cause short circuit or break the internal cable and it may cause fire or electric shock.</p>	 <p>Don't use the appliance, when the power cord is dragged tightly. Otherwise it may cause short circuit or break the internal cable and it may cause fire or electric shock.</p>

Safety and Notification

Warning

 <p>Don't be the moist the machine Otherwise it may cause short circuit electric shock.</p>	 <p>Don't unpack it or refit the appliance . Otherwise it may be damages or cause electric shock. For maintenance, please contact the authorized repair shop.</p>	 <p>Don't put the rod like or other material at the air inlet or air outlet Otherwise, it may be damaged or cause electric shock.</p>	 <p>Don't put your finger or rod at the air inlet or air outlet. Otherwise ,it may damage the fan.</p>
---	---	---	--

Attention

 <p>Don't use alcohol or diluents to clean the appliance, and keep far away from pesticides. Otherwise, it may be damages or cause electric shock or fire.</p>	 <p>Don't use the appliance at high temperature place or high humid place(such as bathroom) Otherwise, it may cause electric shock or fire.</p>	 <p>Don't let volatile materials or flammable materials (such as cigarette) permeate into the inside of machine. Otherwise, it may cause fire.</p>
 <p>While pulling out the plug,do not drag the wire. If you drag the wire,it may damage the wire or cause short circuit or electric shock.</p>	 <p>Don't use this appliance at the place full if grease particles. Otherwise ,the appliance may be damaged. This appliance can not be used as a ventilation device.</p>	 <p>Don't use this appliance at the room full of aromatic pesticide. Otherwise, these remained chemical materials will gather inside of machine will gather spread from the air outlet it will be harmful to your health.</p>
 <p>Don't directly raise the wind deflector or front cover. Otherwise it may drop down to damage the machine or hurt yourself. You should hold the handle tightly.</p>	 <p>Don't directly blow towards animals and plants. Otherwise it maybe harmful to animals and plants.</p>	 <p>If the appliance works together with the heater ,please make sure the room is well ventilated. Otherwise it maybe cause CO poison, The appliance can not remove CO.</p>



Attention!

Please switch off the power if the following conditions happen:

- If some button is not working.
- If circuit breaker is working or the fuse is burned.
- If power cord or plug is heated abnormal.
- If there is some abnormal noise or vibration or burned abnormal flavor.
- If there is other abnormal phenomena or fault.
- If the power cord is broken please contact the manufacturer or maintenance service or experienced technician.



The appliance is not suitable for disabled people and child.

Common Operations

Common Operations Mode

1. Press touch screen On/Off button to turn on/off the machine

2. Press remote control button to turn on/off the machine

- Connected with power the buzzer sounds a “bi”. The words graph on the touch panel will display 3 seconds; after 3 seconds self-check the graph of working status gets darker and touch button is still displaying. The machine turn into standby. Press “on/off” button on the touch panel or “”button on the remote control you can turn on the machine, If there is no operation,10 seconds later the backlight will be off. After the backlight is off press the remote control button or Press ”on/off” button on the touch panel you can turn on the machine, The back-lighting will be on when you touch other buttons.
- Under the working status the back-lighting is always on. After turning on the machine negative ion starts working. The operating mode is automatic by default. The temperature and moisture sensor odor sensor detect the relevant data. LCD Screen shows the relevant working status.
- After the machine is turned on 2 minutes the odor sensor starts detecting air quality, If the air is fresh, the green bar is flashing; if there is less air pollution the yellow bar is flashing; if there is serious air pollution, the red car is flashing, Under automatic mode, the air volume automatically adjust itself, according to the air quality detected by odor sensor, Under manual mode, the odor sensor detects air quality, but the air volume can’t adjust by itself.
- Press the touch panel or remote control ”Timer”, setting the machine’s working time 1H-2H-4H-8H-12H-1H-...
- Turn on the machine, negative ion starts working.
Turn off the machine, negative ion stops working.
- Under the working status, press “On/Off” on the touch panel or “”button on the remote control, you can turn on/off machine.

Auto/Manual Mode

Press mode button to chose Auto/Manual Mode

- After turning on the machine, it works under auto mode as default.
Working under auto mode, if the air clean, the machine will work at low speed; If the air is a little dirty, it will work at high speed.
Working under manual mode, The machine can’t automatically adjust volume.

UV

Press ultraviolet button to turn on/off UV

- When UV is working, the UV indicator on

Common Operations

the control panel is blinking. You can see the light from air outlet.

- Turn off UV, the UV indicator on the control panel is turning gray. And there is no light from UV lamp.

Ozone

Press ozone button to turn On/Off Ozone

- Press ozone button to turn On/Off Ozone, the ozone works for 3 minutes every 15 minutes.
- Ozone is a grassy smell gas, slightly soluble in water, it is widely used in killing virus, bacteria, fungus, germ, mold, etc. Ozone is a powerful oxidizing agent, far stronger than O₂. It is also unstable at high concentrations, decaying to ordinary diatomic oxygen.
- The concentration of active oxygen is controlled under a low range. It can be operated separately. When turning on the ozone, people should leave the room. When ozone is stopped 30 minutes later, then you can come into the room. (When active oxygen device working, there will be a little voice).

Air Volume Adjustment

Press "Fan" button to adjust air volume

- Under Manual Mode, air volume can be chosen as "low speed", "medium speed", "high speed",
High speed: fast remove pollen and dust.
Low speed: choose when you need the silent environment.
- Under Auto Mode:
If air is fresh, it will work at "Low speed":
If there is less air pollution, it will work at "Medium speed".
If there is serious air pollution, it will work at "High speed".
- After automatically switching the gear, it needs at least 30 seconds to switch again.

The correct way to lay down the appliance



If using the appliance at the same place for a long time.

The wall and floor around the appliance will be more or less dirty. When cleaning the appliance, it is advised to move it from the previous place or keep it at a little distance from the wall.

If using the appliance to remove pollen and dust in the air.

Pollen and dust are often floating on the ground. So we suggest laying this appliance on the floor lower.

Pollen and dust are often floating on the ground. So we suggest laying this appliance on the floor lower.

To make sure the indoor air effectively circulates.

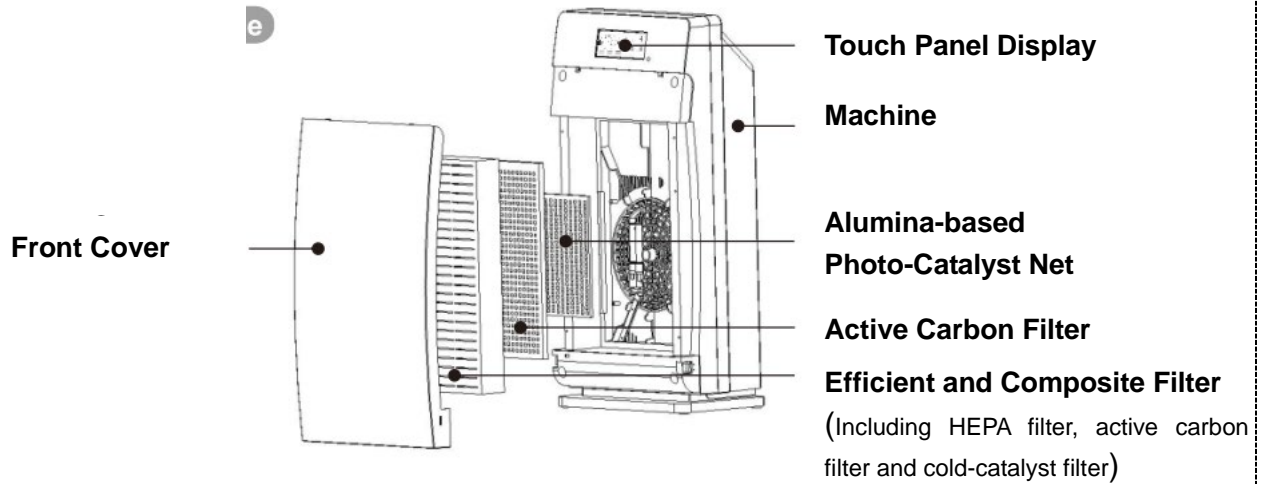
The air outlet must be 0.3M far away from the furniture and wall.

To avoid video and audio's interference.

Please make sure the appliance is one meter far away from the TV, Radio. Don't use the same power socket with TV, Radio.

Maintenance

Structure



Eight purification technology ensures air quality:
 HEPA filter-Active carbon filter-Cold-catalyst filter-Active carbon filter-Alumina-based photo-catalyst net-UV-Anion-Ozone

Parts	Maintenance Methods
Machine	Wipe out dust and dirt with soft cloth that has detergents. Once per month.
Front cover	Wipe out dust and dirt with soft cloth that has detergents. Once per month.
Dust collection filter	Clean dirt with vacuum cleaner. Before installation, it must be absolutely dry. Once per month. ·Don't use the vacuum cleaner to clean the bottom of dust collection filter (the white part). ·Don't wash it with water (Some functions can be destroyed.).
Active carbon filter	No need to wash ·Don't wash it with water (Some functions can be destroyed.).
Alumina-based photo-catalyst net	No need to wash ·Remove the 4 screws by a screwdriver, and replace the new one, and fix it with the 4 screws by a screwdriver.
UV light	After removing all filters, remove two screws and the metal pieces, cut off the wire of UV by scissors forceps, and replace the new UV light with a soldering iron to solder the wires. Then install alumina-based photo-catalyst filter and all filters.

CAUTION

- When using detergent, please make sure that it is diluent neutral kitchen detergent.
- Don't use these detergents.
 (Such as cleanser, alkaline detergent, coal oil, alcohol, decolourant and diluent.)

Fault Removal

Please check before sending to repair.

Phenomenon	Check Solution	Page
Not Running	<ul style="list-style-type: none"> ● Is the power plug connected well? →Connect the plug again. 	6
	<ul style="list-style-type: none"> ● If the front cover fixed in position? →Please open the front cover and align the above buckle of front cover, gently press the cover down, and be sure the front cover fixed well. 	10
Air Quality not good, but the indicator for air purification is always“Green”	<ul style="list-style-type: none"> ● Have you put the appliance in a place where the dirty air entry to → air flow inlet is not easy? Change the place. 	7
	<ul style="list-style-type: none"> ● Whether the size of room exceed its' working capability? 	11
Bad smel from the outlet	<ul style="list-style-type: none"> ● Dust collection filter net including “super Aleru-buster”, Green Tean Catechins(GTC) and Anti-bacteria,which may have particular smell, it is normal phenomenon, do no harm to health. 	3
	<ul style="list-style-type: none"> ● Active Oxygen is the same element but different form as oxygen, just a pale blue gas with particular smell. When working, it generates grassy smell. 	7
Bad smell is difficult to remove	<ul style="list-style-type: none"> ● Main machine or dust collection filter net is not clear? Clean the front panel or the machine, use the vacuum cleaner to remove dirt from the front level. If still not solved, please replace the deodorization filter net. (Filter net can not remove the stimulation composition, carbon monoxide cigarette.) 	8
Difficult to purify air, loud noise	<ul style="list-style-type: none"> ● Main machine, the front panel or dust collection filter net is dirty? →Clean the front panel of the main machine, use the vaccum to clean the front panel. 	8
Active oxygen generator has noise	<ul style="list-style-type: none"> ● This is electric discharge phenomena there is no fault. 	-

Spare Parts for Sale (Filter)

Item Name	Alumina-based Photo Catalyst net	Active Carbon Net	Efficient and Compound Filter
-----------	-------------------------------------	-------------------	----------------------------------

- ※ To keep a good purification effect, replace the filters once in a year. The replacement should be done earlier depending on continuous usage or usage in heavy dust.
- ※ Please switch off the power before cleaning and replacing the filters.
- ※ Please choose the diluted detergents whose chemical property is neutral.

Filter Changing Method



Attention: First time using the machine or replacing the new filters, please don't forget to remove the poly bags from the filters.

<p>① Press the lock button on two sides of the bottom of the front panel.</p>	<p>② Pull up the front panel</p>	<p>③ Right hand is up, left hand is down, hold the handle of filter, pull outward HEPA filters, parallelly.</p>
<p>④ Repeat the step 3, pull outward active carbon filter parallelly.</p>	<p>⑤ In the opposite order, first load activated carbon filter, then reload HEPA filter, keep the surface parallel and level.</p>	<p>⑥ Align the above card buckle of front cover, gently press the cover down, and be sure the front cover is fixed well.</p>

Specifications

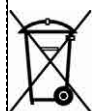
Model	ZAP 02
Voltage	AC220V~50Hz
Dimension	320*199*645mm
Net Weight	8.0kg
CADR Value	240m ³ /h
Maximum Power	73W
Maximum Noise	≤50dB(A)
Timing	1H 2H 4H 8H 12H
Wind Speed	Low-Med-High
Air Quality Display	Yes
Working Area	about 35 m ²
Mode	Auto, Manual
Negative Ion	5*10 ⁶ pcs/cm ³
Ozone	500mg/h
UV lamp power	5W
HEPA efficiency	≥99,97% (of particles smaller than 0.3 microns)
Air volume	380m ³ /h
Power cord length	1,8 m



This device complies with European safety standards and electromagnetic compliance.



This product does not contain environmentally hazardous materials (lead, mercury, cadmium, hexavalent chromium and brominated flammable agents: PBB and PBDE).



IMPORTANT INFORMATION ON THE CORRECT DISPOSAL OF THE PRODUCT IN ACCORDANCE WITH EC DIRECTIVE 2012/19 / EU

Used electrical appliances are valuable materials, which is why their place is not in the garbage! Therefore, please support us and participate in the protection of natural resources and the environment by handing this device over to the collection centers or to the importer whose address you can find in this manual or in the warranty certificate. By removing household appliances separately, you will avoid any negative consequences that incorrect disposal could have on the environment and health, and you will allow the use of constituent materials to save energy and resources. Additional details can be requested from the local administration or at the nearest collection point. Improper disposal of waste may be amended in accordance with national regulations. Separate decommissioning of an appliance is specified by marking the product with the image of a cut trash can.