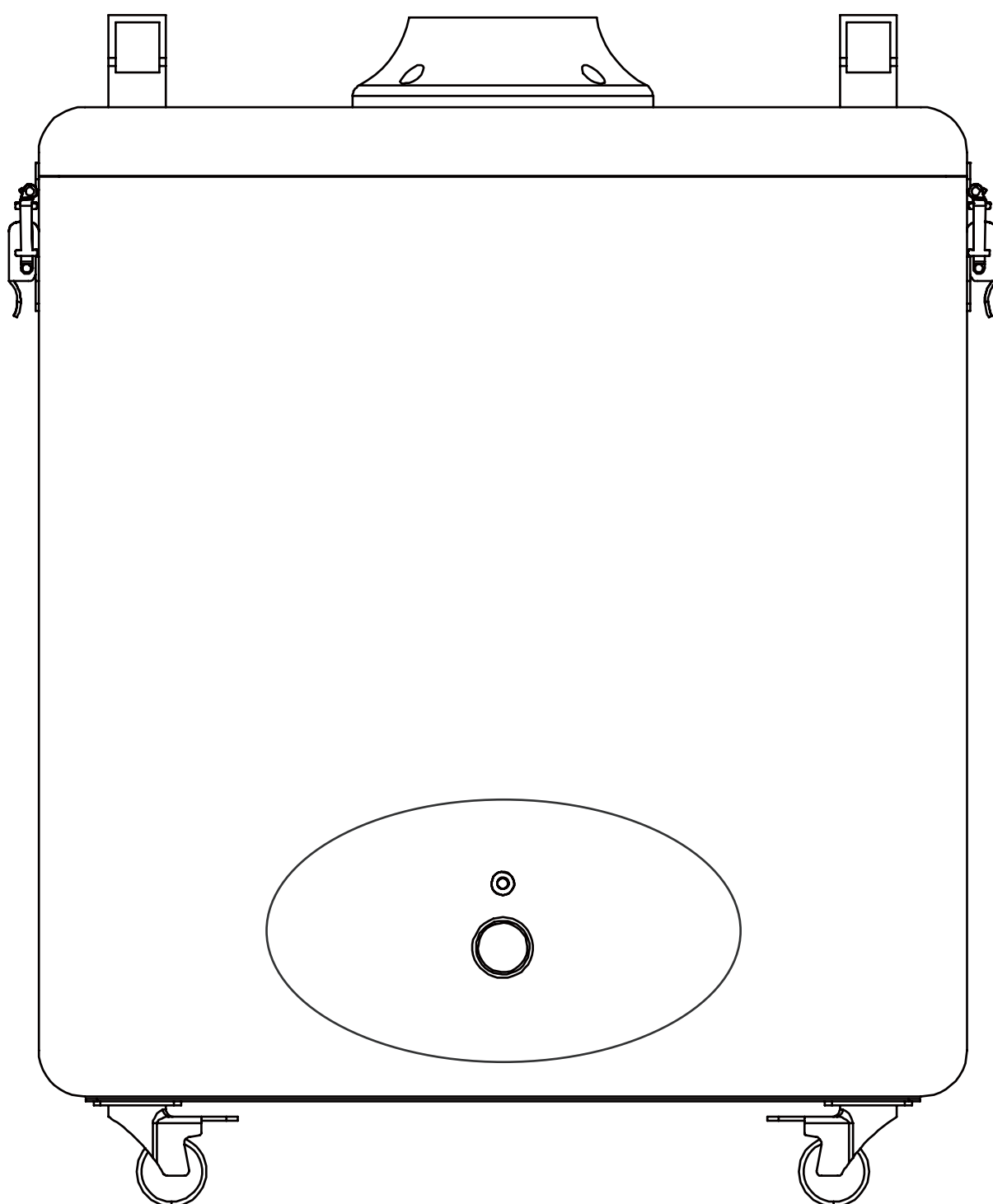


Fume extractor

# AT210

## Instruction Manual



Thank you for purchasing our fume extractor.  
Please read this manual carefully  
before use and keep it properly for future reference.

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OVERVIEW

AT210 (soldering tin) is a fume purification system for soldering iron soldering, laser engraving, tin melting furnace and other occasions. It can deal with the smoke, odor, toxic and harmful gases generated in the above production process. It has good smoke and dust filtration and odor treatment functions can.

AT210 (solder) adopts three-layer filter, which is composed of primary filter cotton, medium efficiency filter and high efficiency filter, which can effectively filter and absorb a small amount of oil mist and smoke particles above 0.3μm generated in the smoke. The dust filter purification rate can reach 99.7%. The composite special activated carbon in the high-efficiency filter can adsorb some common harmful gases, such as benzene, ketones, alcohols, alkanes and their mixed organic waste gases. Adopt DC brushless fan, which can realize multi-stage speed regulation, with high negative pressure and low noise operation Etc. The clean air after the treatment can meet the emission standard and be directly discharged indoors; it does not consume indoor air-conditioning, and achieves the purpose of purification and energy saving.

SPECIFICATIONS

Series	AT210(single station)	AT210(double station)
Voltage	AC110-220V 50Hz / AC120-230V 50Hz	
Power	200W	
Air volume	330m <sup>3</sup> / h	2x165m <sup>3</sup> / h
Noise	<63dB(A)	
Filtration	0.3μm 99.7%	
Size	L405xW265xH550mm	
Weight	20kg	21kg
Size of flange	φ75mm	2xφ75mm

# PRODUCT FEATURES

## CENTRIFUGAL FAN

The fan has a brushless direct current motor with a maximum service life of 40 thousand hours.  
We assure the highest reliability, and our fan will require no maintenance.  
The fan produces low operating noise, high.  
rotation speed, high air volume, high air pressure, and high efficiency

## FILTERS

AT210 (solder) adopts three-stage three-layer filter element for filtration, which are primary filter cotton, medium-efficiency filter and high-efficiency filter respectively.

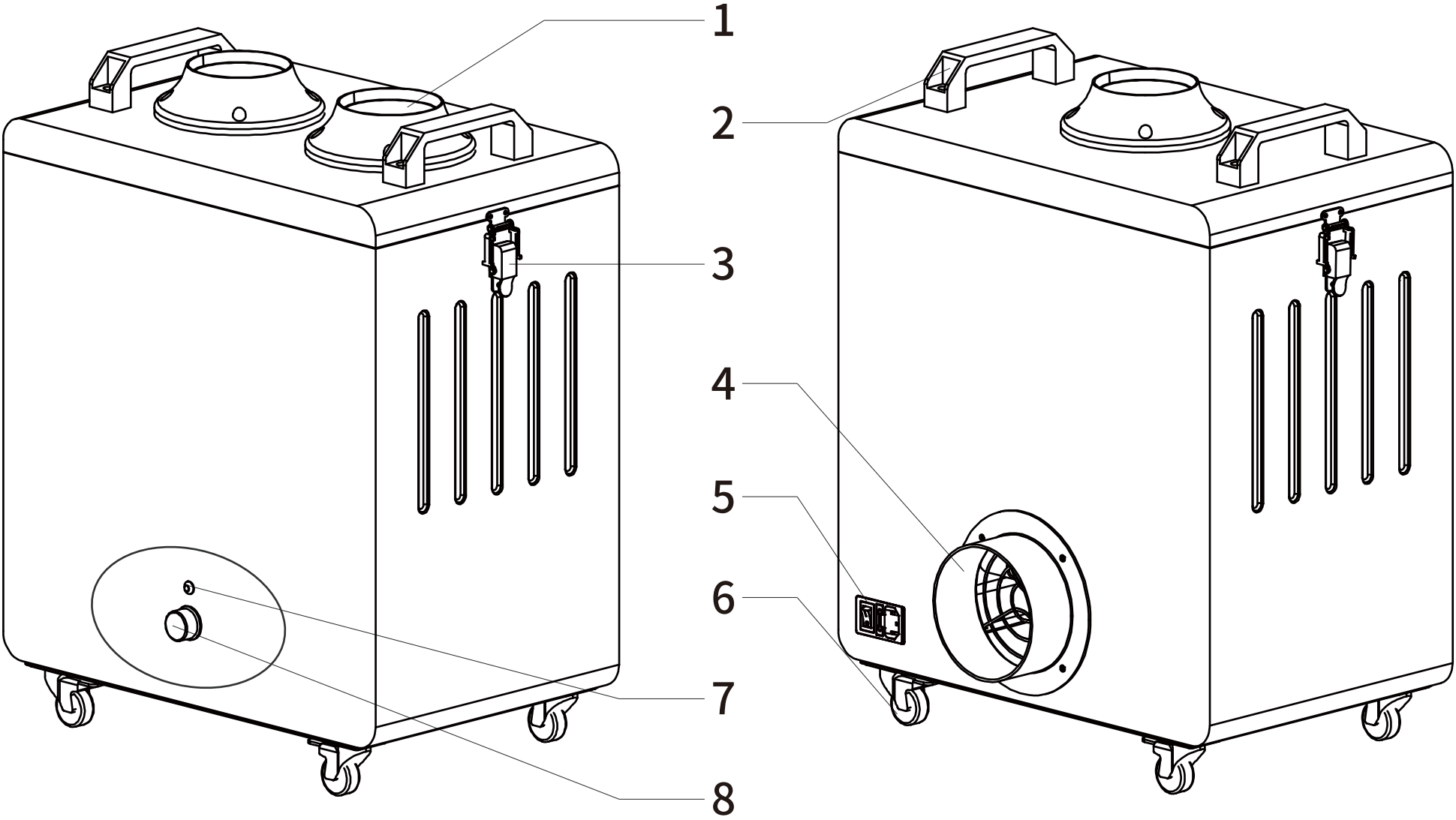
# PACKING LIST

Description	QTY	Size	Model	Note
Main machine	1 set	L405xW265xH550mm	AT210	
Power cord	1 pcs	1.8 meters		
Smoking pipe	1 or 2 pcs	Bamboo tube		
User s manual	1 book			
Primary cotton filter	1 pcs			
Medium efficiency filter	1 pcs			
High efficiency filter	1 pcs			

Note:The filters are placed inside the machine

STRUCTURE

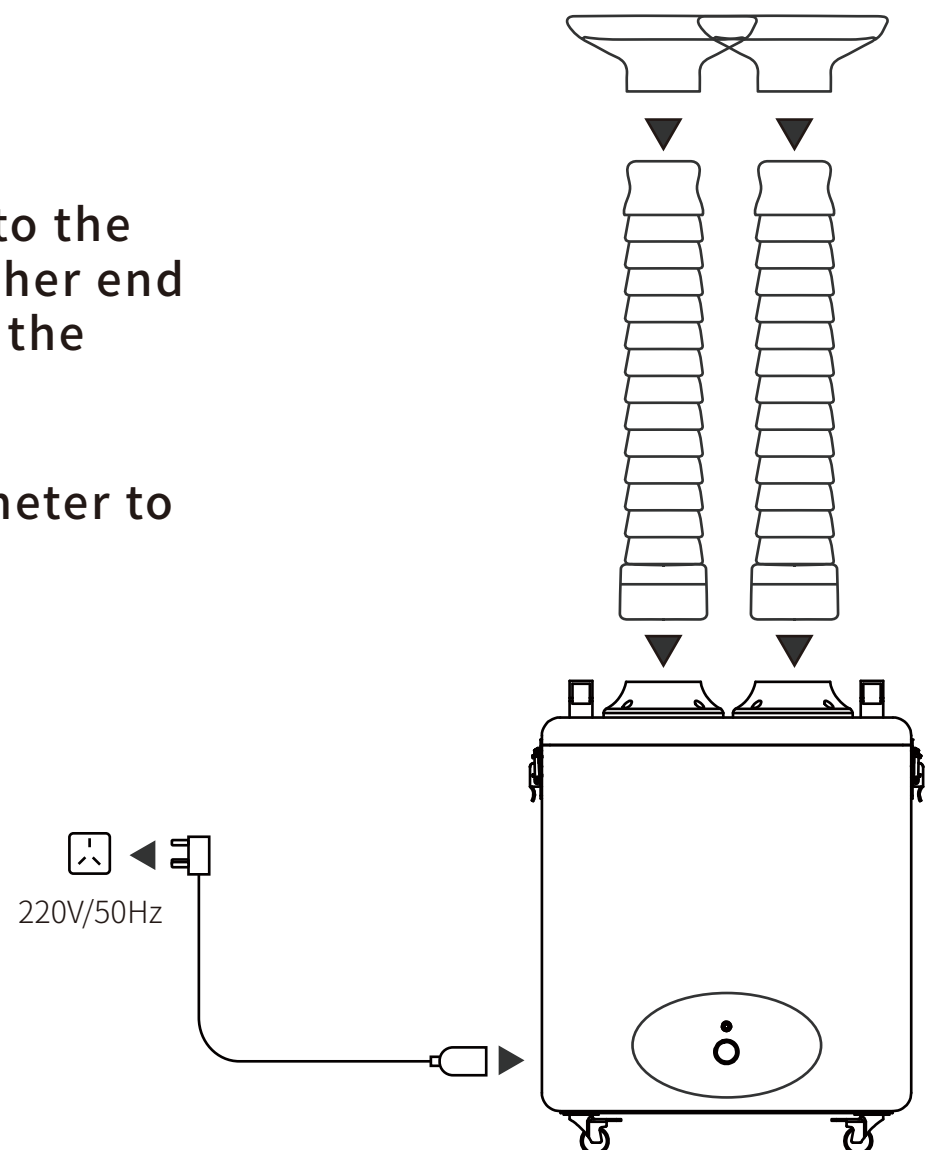
1	Air Inlet
2	Carrying handle
3	Filter compartment lock
4	Air outlet
5	Switch
6	Vientiane wheel
7	Running lights
8	Speed knob



Note: Schematic diagram for single and dual-station, equipment standard does not include air outlet flange port, please prevail in kind.

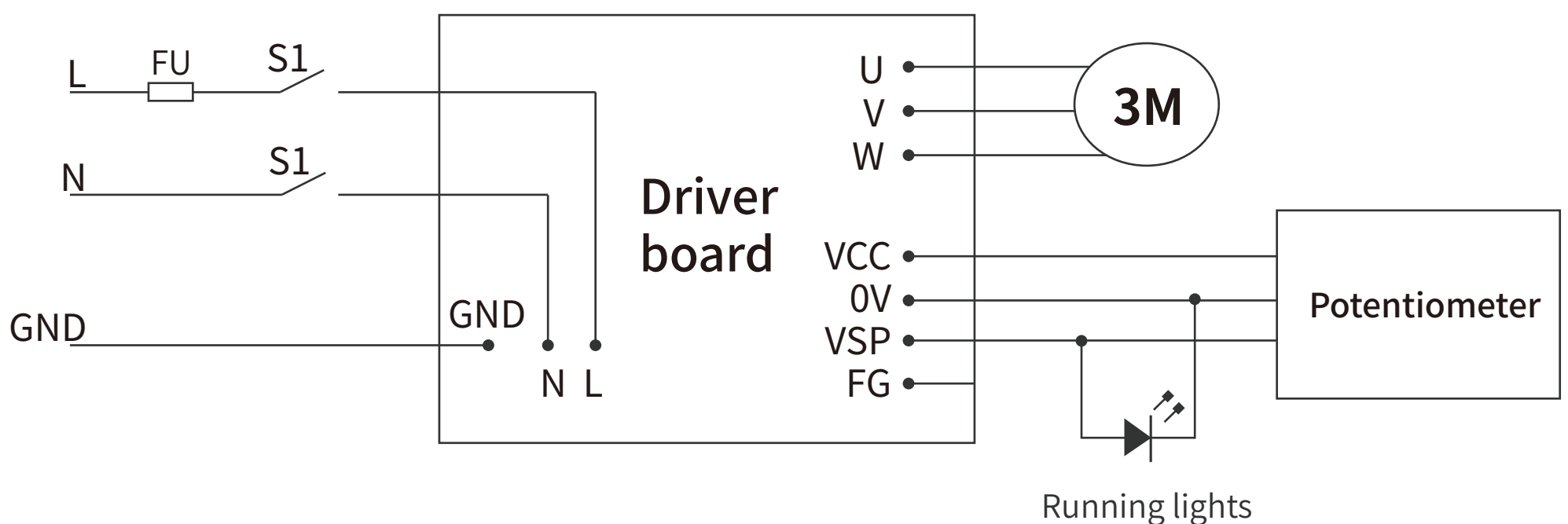
## INSTALLATION NOTES

1. Plug one end of the power cord into the 3-in-1 switch on the unit. Plug the other end into an electrical socket and turn on the switch.
2. Turn the airflow control potentiometer to start working.



Note: When using it, you should try to make the smoking mouth directly to the point of smoke generation. In order to improve the efficiency of smoking and dust collection. The equipment must be switched on with a well grounded plug and socket.

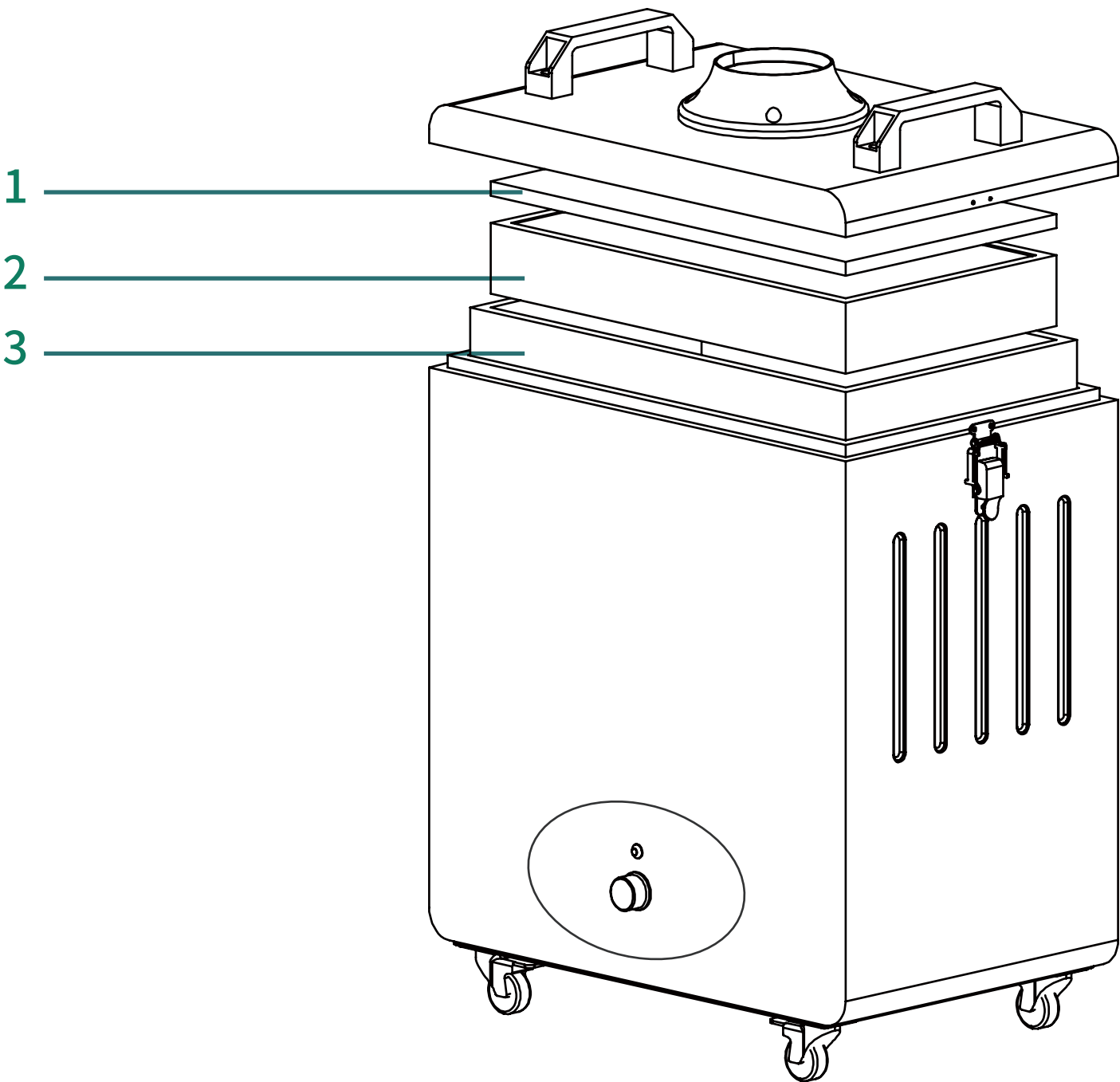
## ELECTRICAL CONFIGURATION DIAGRAM



FILTERS

	Description	Replacement period	Replacing method
1	Primary cotton filter	7-30 days	Bring it up
2	Medium efficiency filter	2-4 months	Bring it up
3	High efficiency filter	6-8 months	Bring it up

Note:The above replacement cycle is for reference only, the actual replacement time depends on the working conditions.

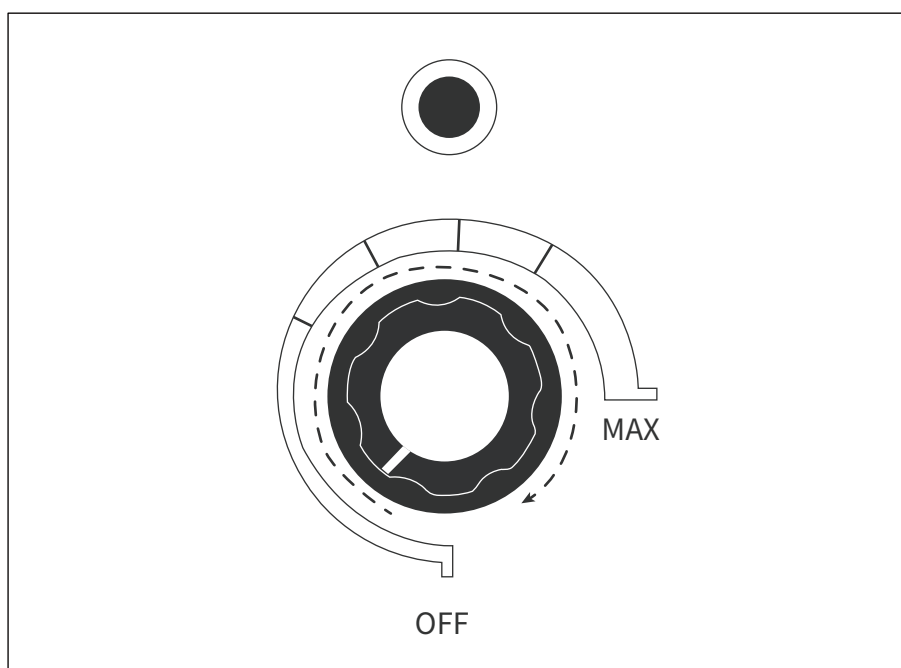


## CONTROL ROTATION BUTTON

Plug the power cord into the 3-in-1 power switch and turn on the main switch. switch and turn on the main switch, the device will enter the standby The device will enter standby mode.

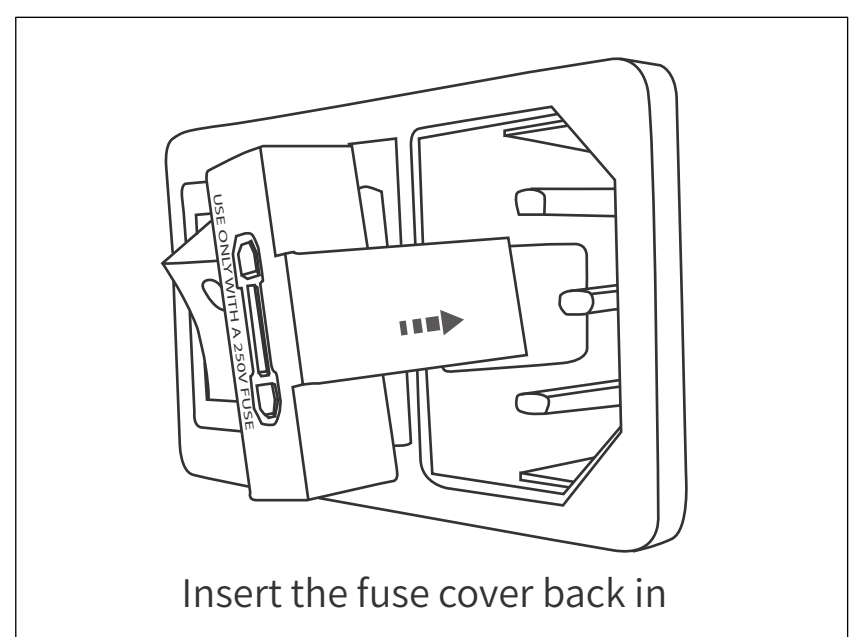
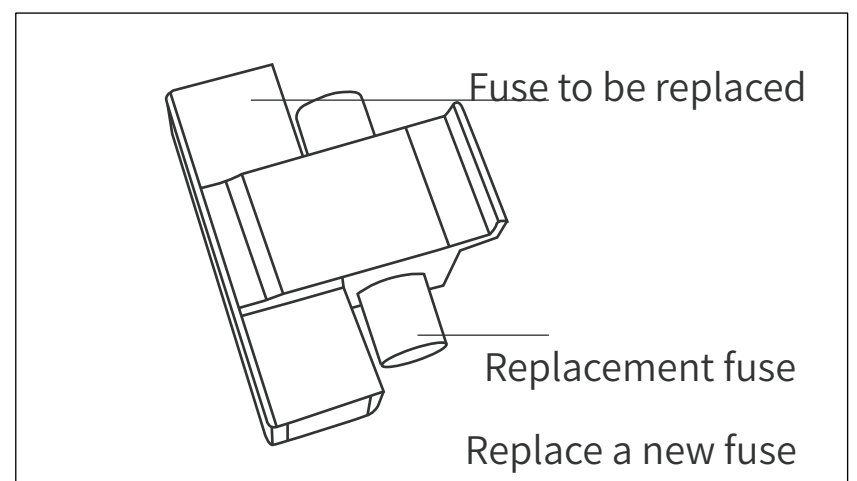
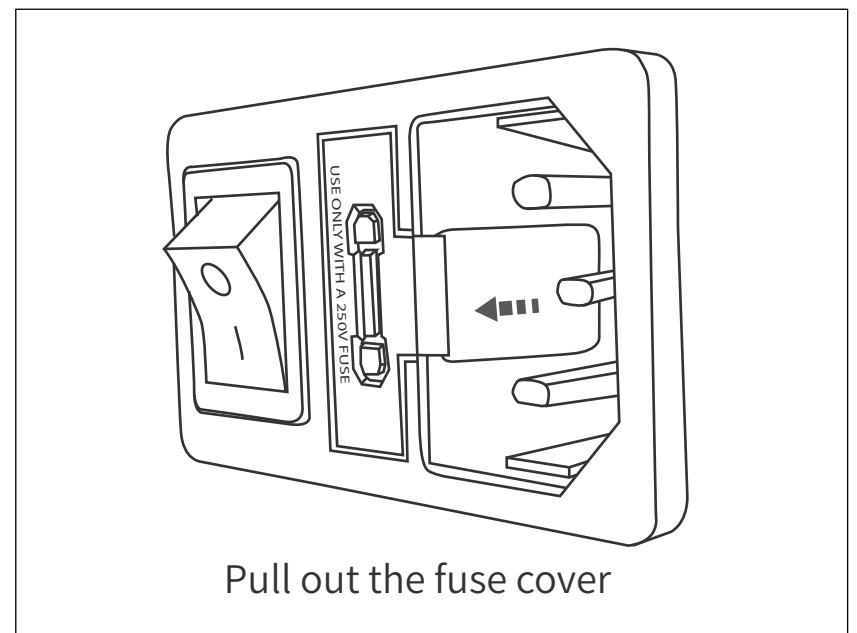
Twist the potentiometer clockwise, when it starts to energise, the indicator light is on, the motor then starts to work. The knob travelling is about 270° angle, 0° is the power-off shut-down, the 270° is the maximum speed of the motor. The user can adjust the equipment in real time according to the current The user can adjust the motor speed in real time according to the current working conditions.

**Note:** Due to the need to meet the purification and filtration needs of different industries, the maximum air volume of this equipment may be oversaturated for the current working conditions. When users use it, they only need to adjust the motor speed to the suction force that can meet the purification and filtration. This operation can also avoid the equipment Excessive noise is produced.



## FUSE REPLACEMENT

If the device is short-circuited and the fuse is damaged, Follow the steps below to replace the fuse.





## FAQ AND SOLUTIONS

**1: The system is still working, but the air volume is weak, and the suction force is significantly reduced.**

**Cause:** The air intake is blocked, or there is foreign matter in the tubing, and the filter element reaches saturation failure, resulting in a blocking alarm.

**Check:** turn off the power supply, check whether there is any foreign matter blocking the air intake, and then check whether the air outtake is blocked. If the suction of the air compressor is normal, the filter element needs to be replaced.

**2: After the machine starts, it will shut down automatically, repeat the above phenomenon appear when turning on again.**

**Cause:** The internal airflow is blocked, and the filter element resistance is too large, which leads to excessive starting current of the fan, and the machine will automatically protect and shut down.

**Check:** turn off the power supply and check whether there is any foreign matter blocking the air intake; if there is no abnormality, adjust the air volume to the minimum, restart the machine and adjust the air volume to the appropriate position.

**3: Turn on the power switch and the indicator light is not on**

**Check** If the connection is good, check if the fuse in the power box is burnt. If it is damaged, replace the fuse.

**Be sure to cut off the power before checking and repairing the equipment !**

## WARRANTY

As for the warranty (free repair) of goods within the warranty period, it shall be implemented from the date of purchase.

1. The product can be returned to the factory for repair within the warranty period. Please show us this User's manual(Warranty) and purchase invoice.

2. From the date of purchase, the main unit is guaranteed for \_\_\_\_ years.  
(Note: the filter element belongs to consumables and is not under warranty scope of repair)

3. Under one of the following circumstances, even within the warranty period, it can not be treated as a warranty, but it can be bank charge processing:

I Damage caused by failure to use, maintain or store in accordance with the operating instructions;

II Damage caused by incorrect operation, abnormal power supply, and falling;

III Use of non-original cartridges or accessories and use without placing the cartridge;

IV Damage caused by dismantling the machine without the consent of the manufacturer;

V Failure to prove that the machine is within the valid warranty period;

VI The information on the warranty certificate is inconsistent with or altered from the physical identification of the goods;

VII Damage due to nuclear and chemical corrosion;

VIII Damage due to natural measures (lightning, earthquake, flood, fire, and other natural disasters).

4. Before using this equipment, please strictly comply with the operating instructions, regular inspection and replacement of the cartridge, is strictly prohibited in high temperature (60 ° C and above), high humidity, flammable, explosive, corrosive and strong electrical environment. (60 ° C and above), high humidity, flammable and explosive, easy to corrode and strong electric environment, if this causes a safety accident or machine failure, the company has nothing to do. If this causes safety accidents or machine failure, the company has nothing to do with it.

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