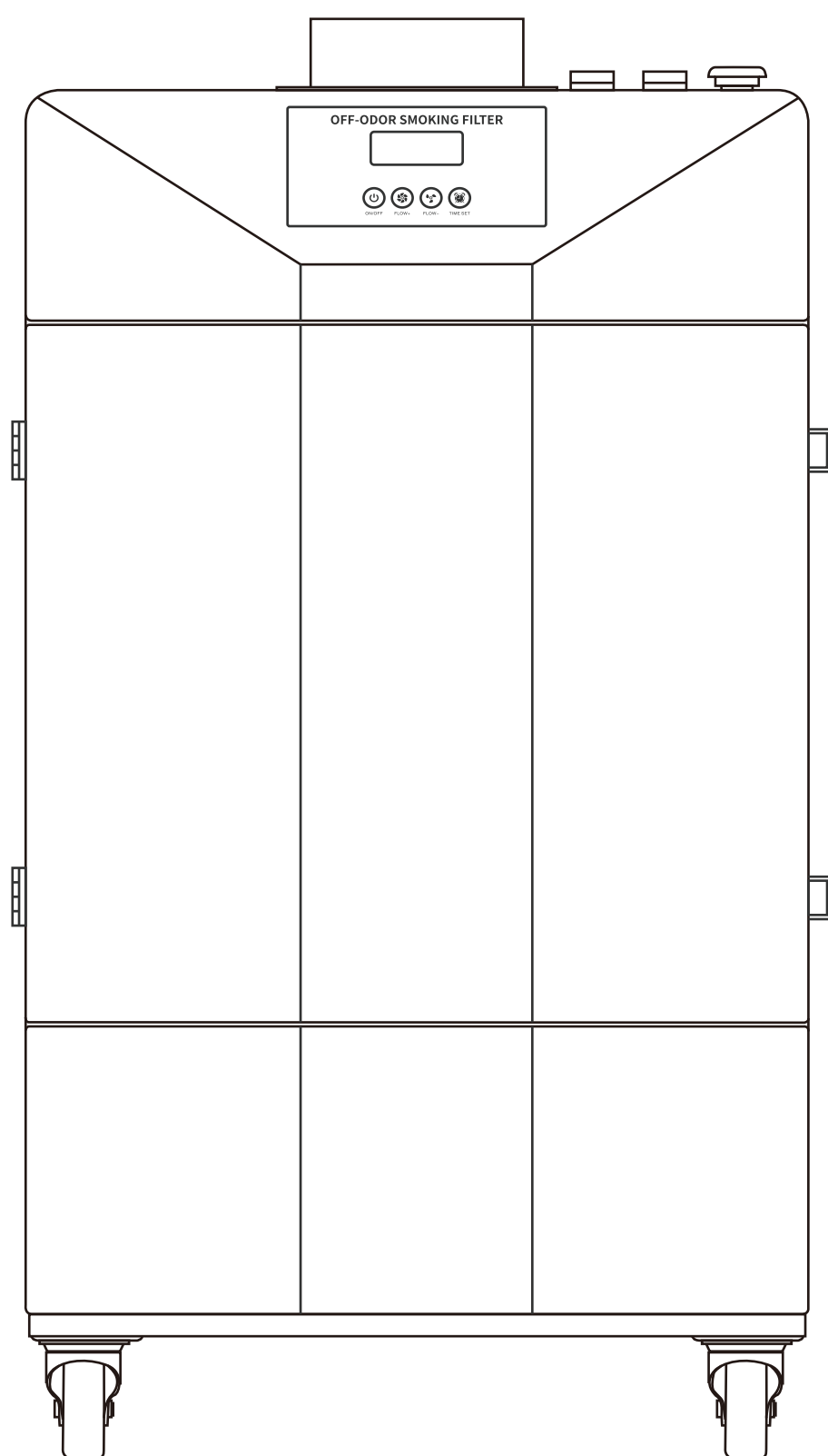


Smoke and odor filter

RD8500

Instruction Manual



Thank you for purchasing our aerosol suction machine.
Please read this manual carefully
before use and keep it properly for future reference

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OVERVIEW

This product is a laser cutting machine, laser engraving machine, wave soldering, reflow soldering, tin furnace processing and other occasions for the Smoke filtration equipment. It can deal with the dust, odour, toxic and harmful gases produced in the above production process. It has good dust filtration, odour treatment function. Adopting DC brushless fan, it can achieve stepless or multi-level speed regulation, and has the advantages of large suction power. Optional fire net. Effectively prevent the safety hidden danger caused by sparks in processing. The clean air after processing can reach the emission standard without consuming the cold air in the room. It does not consume indoor air-conditioning, thus achieving the purpose of purification and energy saving.

SPECIFICATIONS

Series	RD8500
Voltage	AC110V/220V 50Hz
Power	1100W
Air volume	1600m ³ / h
Noise	≤70dB(A)
Filtration	0.3μm 99.7%
Size	L550xW580xH1050mm
Weight	105kg
Size of flange	Φ110/150mm

Note: Before powering on the equipment, please confirm the factory operating voltage, which must be the same as the voltage marked on the equipment's power label before use.

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

LCD DISPLAY

Independently developed microcomputer LCD with a programmable single chip bringing digital control. A simple interface displays the operating parameters. The mode of the fan is automatically checked. When there is a blockage in the tubing, or the filter is saturated, and in, other situations, the system will automatically signal an alarm with an audible sound. It will operate with low-pressure power to improve safety.

REMOTE CONTROL

This product can remotely control basic on-off instructions, accelerate and decelerate suction, timed shutdown functions.

It uses 2.4G wireless technology to achieve 360-degree control within 20 meters. Easy and convenient operations enable flexibility.

FILTERS

This product uses multi-layer filters, made of primary filter cotton, It is composed of PP medium-efficiency filter and composite special-effect activated carbon filter element.

Can effectively filter dust particles above 0.3μm, dust

The filtration rate can reach 99.7%. Special effect activated carbon filter

Can absorb some common harmful gases, such as benzene, ketones, alcohols

Organic waste gas, alkanes and mixed organic waste gas, etc.

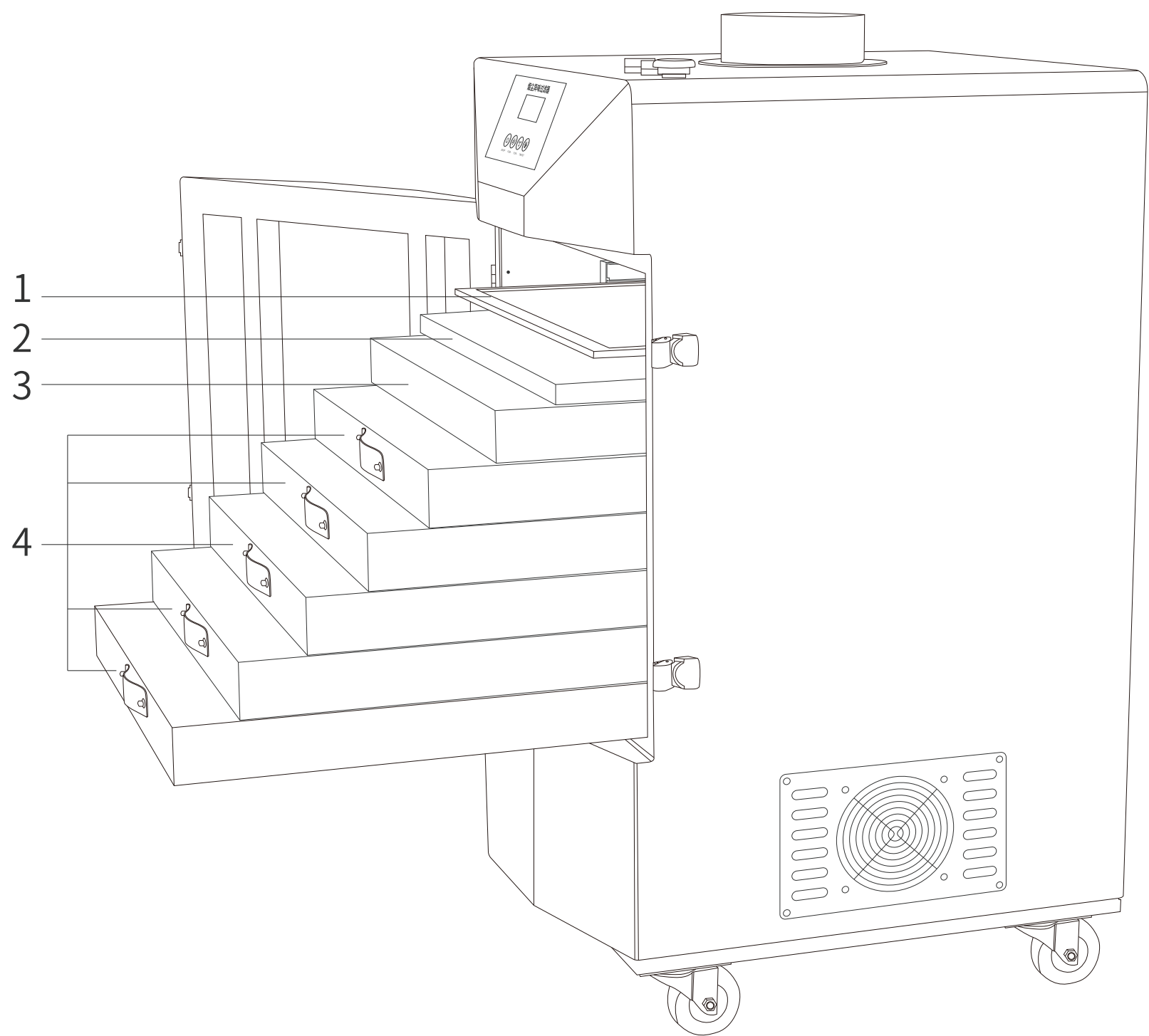
PACKING LIST

Description	QTY	Size	Model	Note
Main machine	1 set	L550xW580xH1050mm	RD8500	
Power cord	1 piece			
Smoking tube	1 piece	1.4 meters Folding arm		
User's manual	1 book			
primary effective filter	1 pieces	L500xW500xH30mm	RWSP-8500	
Medium effective filter	1 piece	L500xW500xH50mm	RWSM-8500	
High effective filter	5 piece	L500xW500xH50mm	RWSH-8500	
Flame screen	1 piece	L500xW500xH10mm		Optional
2.4G Remote control	1 piece			

Note:The filter element is placed inside the machine

FILTERS

	Description	Replacement period	Replacing method
1	Flame screen (Optional)	Reuse	Pull out
2	Primary effective filter	7-15 days	Pull out
3	Medium effective filter	2-4 months	Pull out
4	High effective filter	6-8 months	Pull out

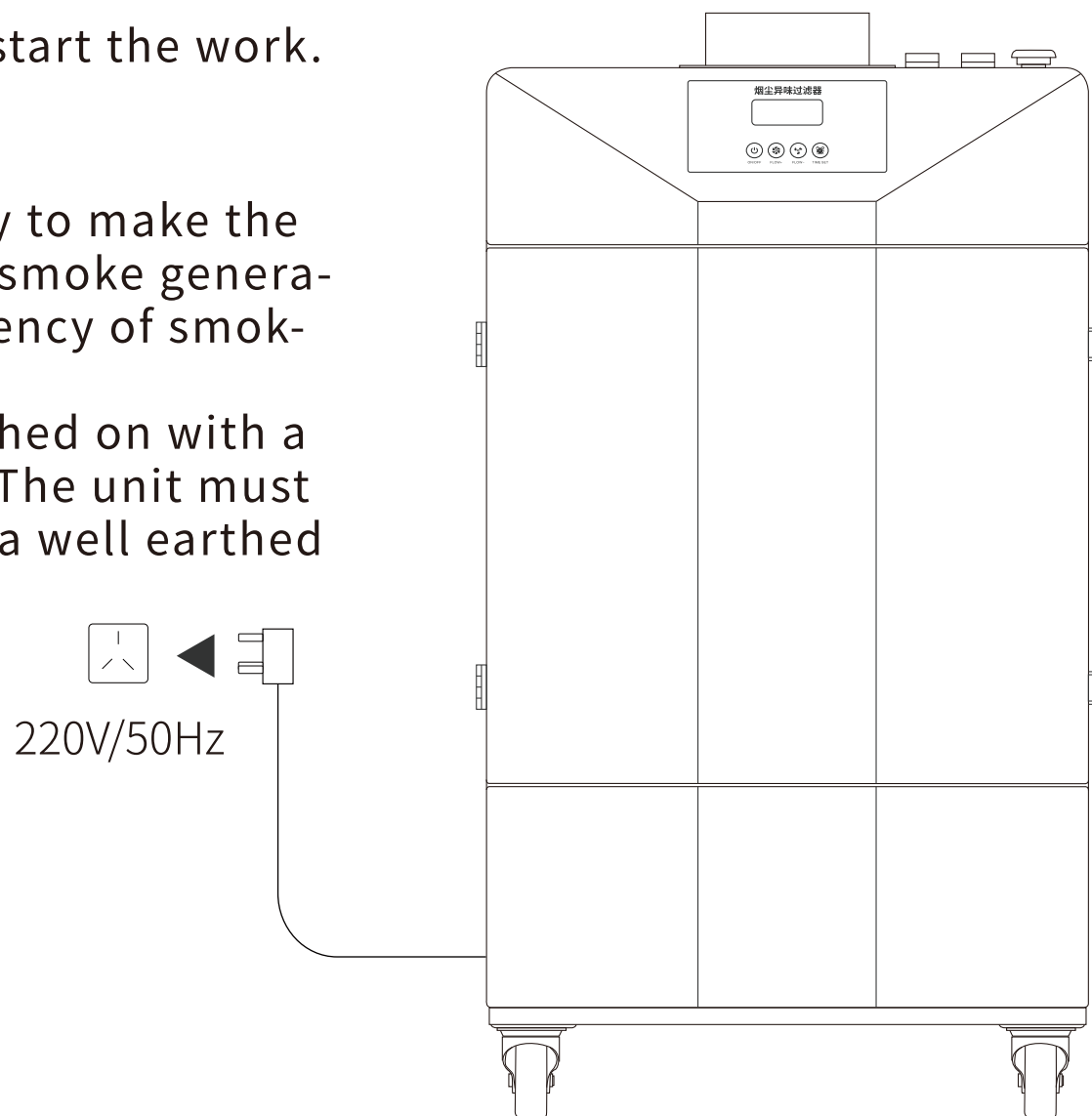


INSTALLATION INSTRUCTIONS

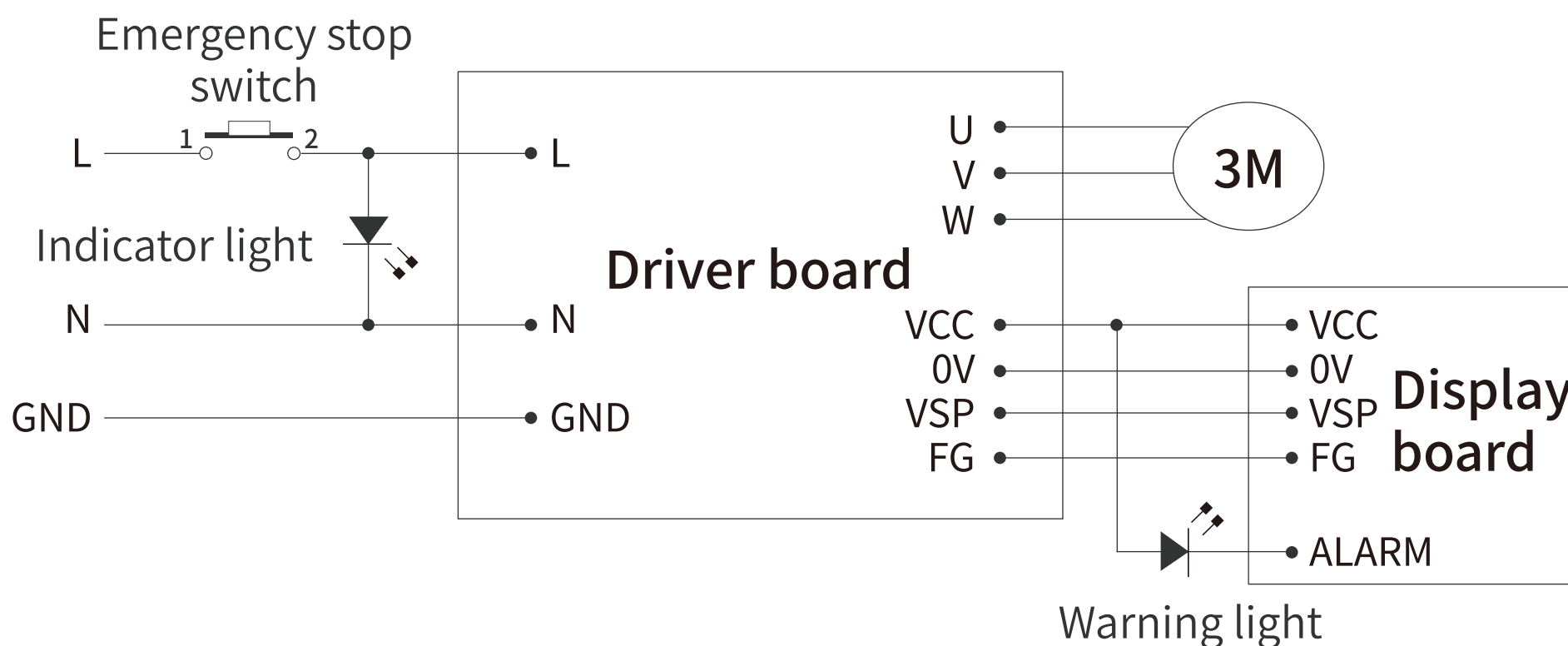
1. Plug the power cord into a 220V single-phase, three-pronged socket,
2. Press the ON/OFF button to start the work.

Note:

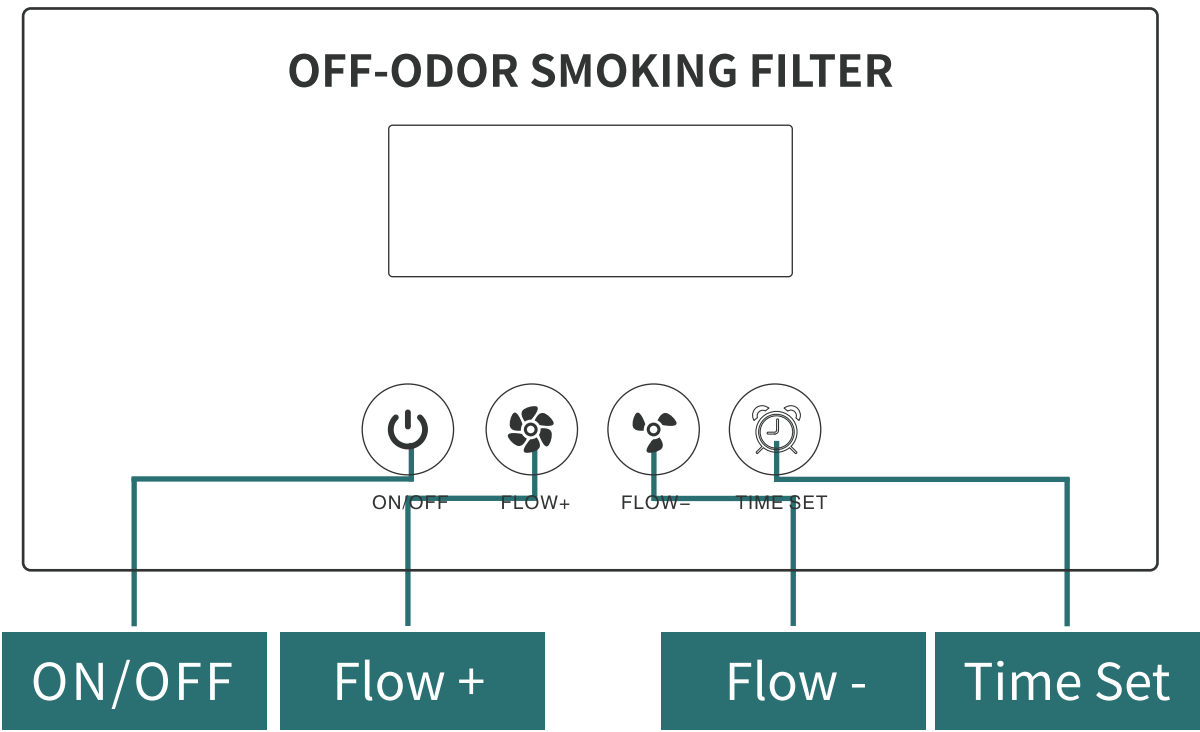
1. When using it, you should try to make the smoking mouth directly to the smoke generating point to improve the efficiency of smoking and dust collection;
2. The appliance must be switched on with a well earthed plug and socket. The unit must be switched on and used with a well earthed plug and socket.



ELECTRICAL WIRING DIAGRAM

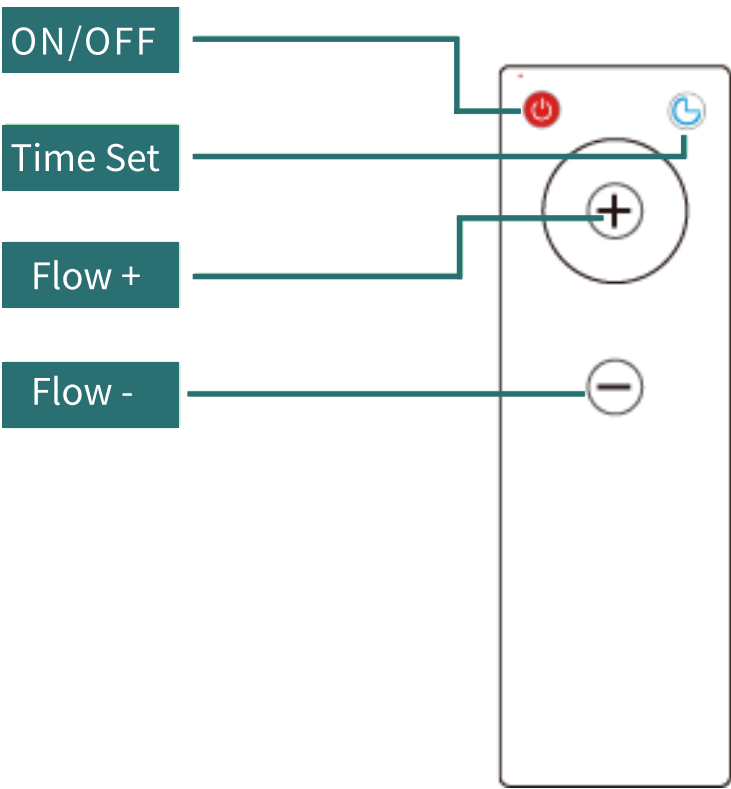


CONTROL PANEL AND REMOTE CONTROL



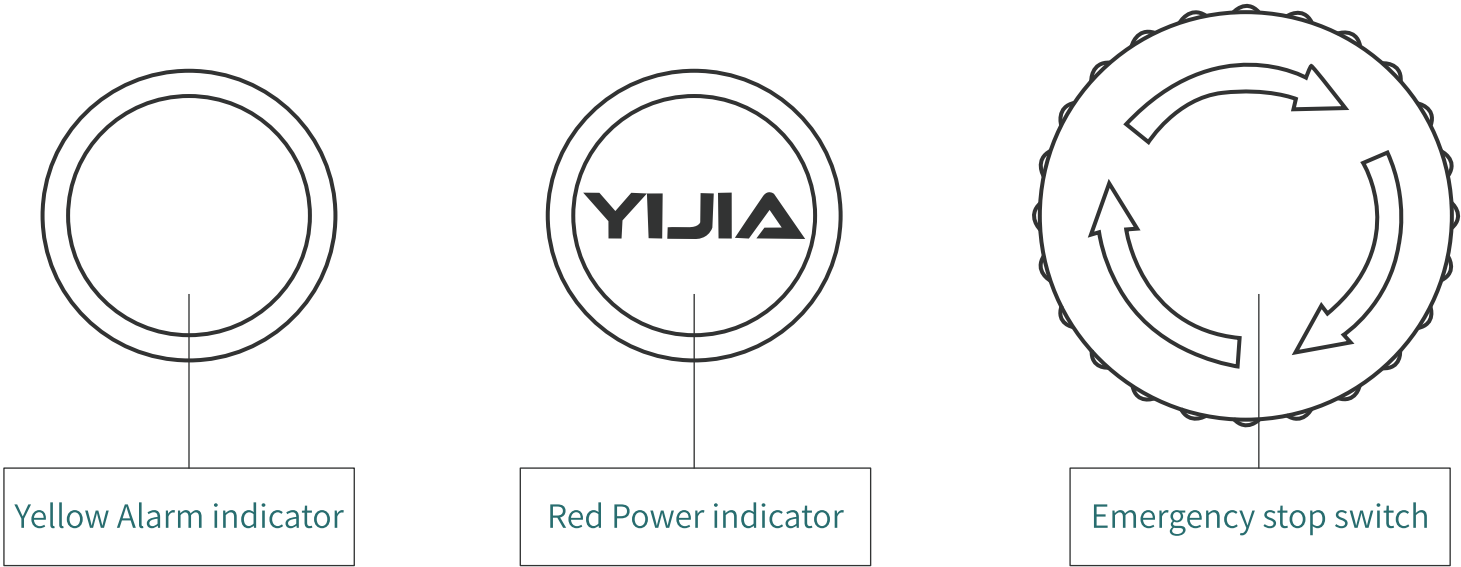
TIMED SHUTDOWN SETTINGS

When the machine is running, press the TIME SET key lightly to set the time. The display shows H-00, then press the TIME SET key to set the time. After setting, the timing will be confirmed automatically without other operation. (Note: H-04 means that the machine will automatically switch off after 4 hours of operation.)



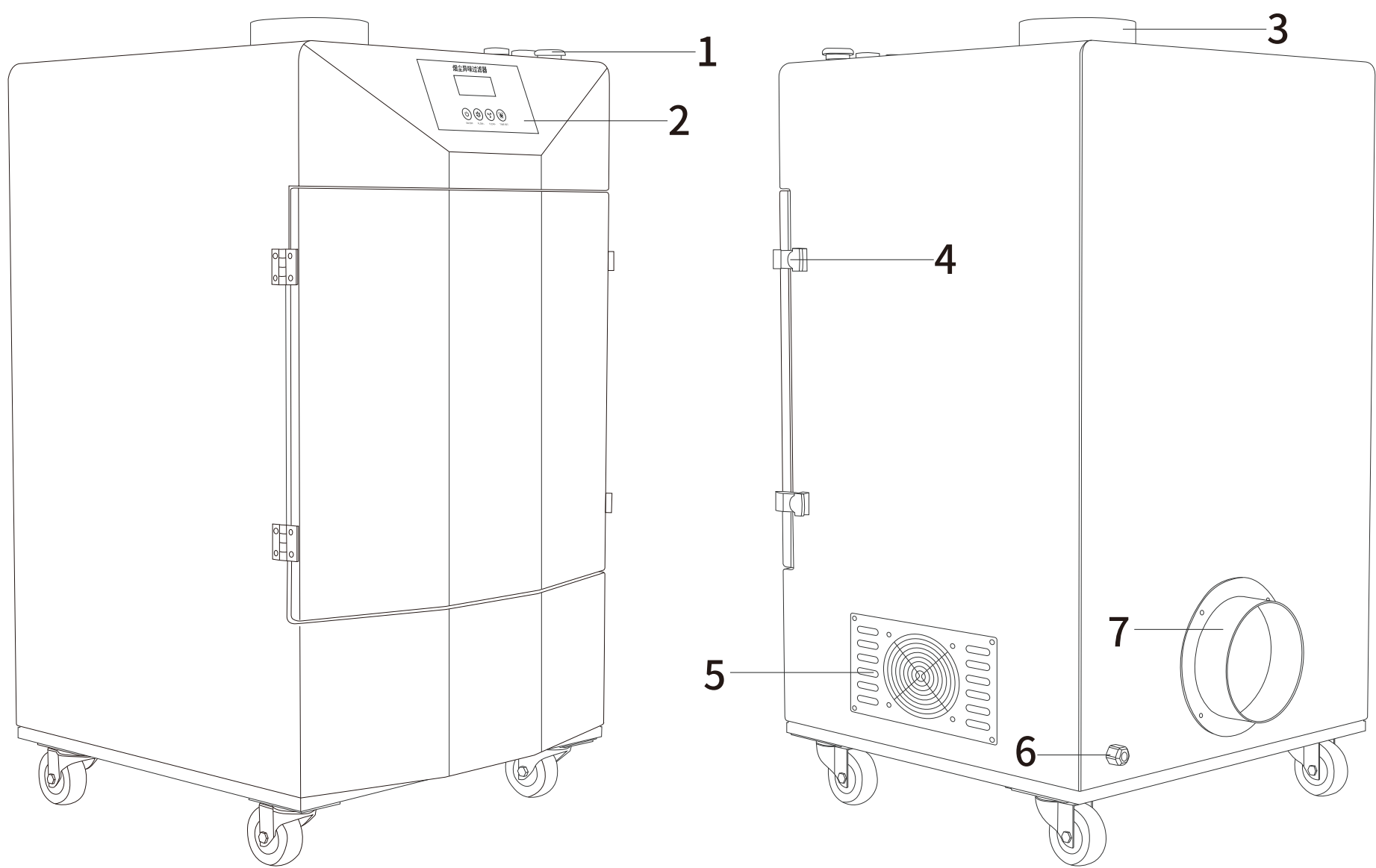
EMERGENCY STOP SWITCH

When the equipment is suddenly and unexpectedly, the emergency stop switch can be pressed urgently to stop the operation of this equipment.



STRUCTURE

1	Emergency stop switch
2	Control panel
3	Air intake
4	Lock
5	Radiator window
6	Power cord hole
7	Air outlet



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: The machine is normally energised, the motor starts slowly and the speed is fast and slow.

Cause: Motor Drive Board Failure.

Settle: Contact the manufacturer or dealer to replace the driver board.

3: Boot up but not function

Check:

- ① Whether the socket has poor contact, such as the power socket is intact;
- ② Driver board failure;
- ③ Loose internal wiring.

Settle: Contact the manufacturer or dealer for repair.

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.

V1.0 2023.09

