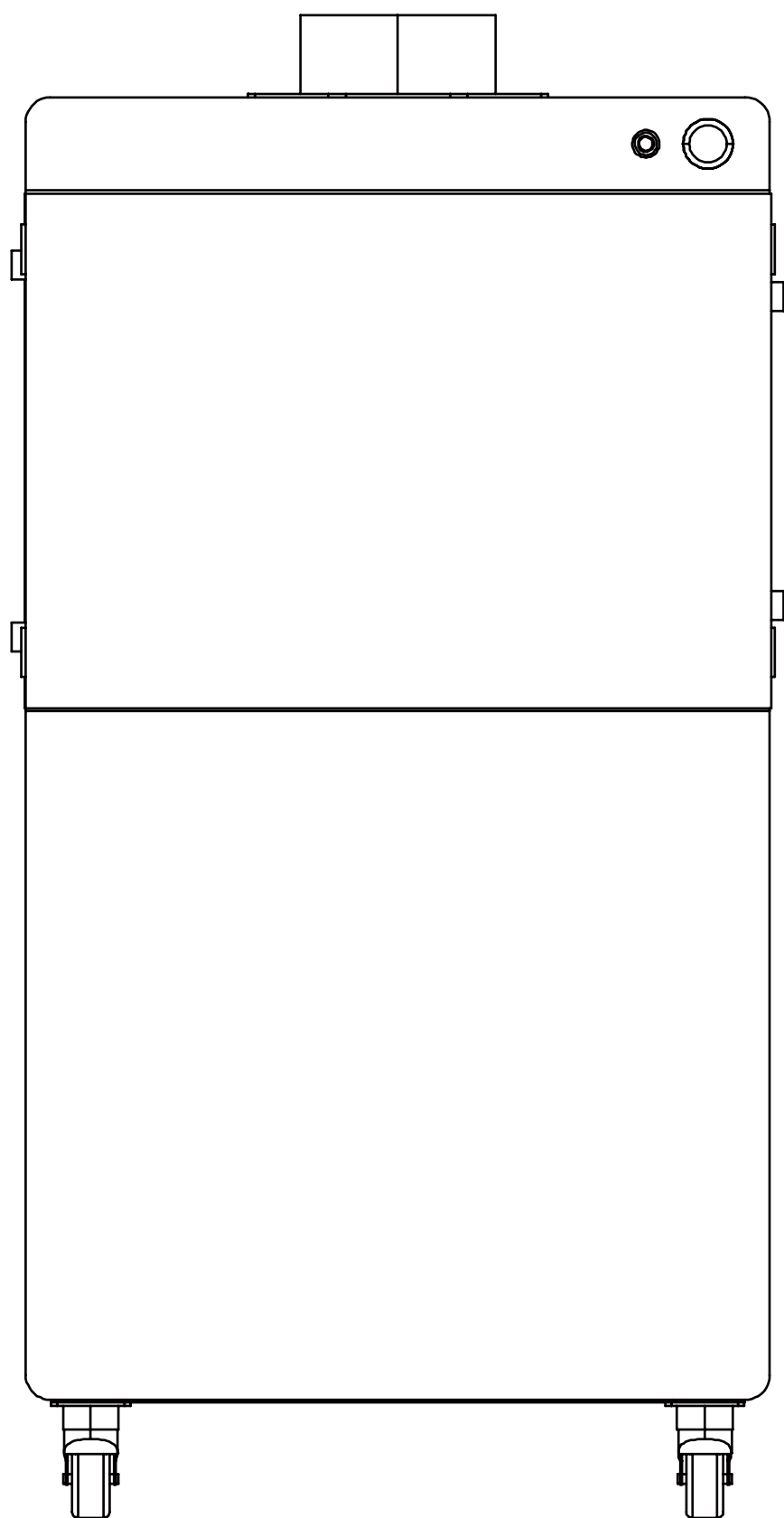


Dust collector



# RS2200

## Instruction Manual

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



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## OVERVIEW

This product is a dry dust filtration and recovery equipment for electric welding, argon arc welding, laser welding, grinding, polishing and other occasions, in line with the concept of "simple and efficient, save money and worry", this product is designed with double doors, which can be very convenient for the user to replace and clean up the filter bucket.

This product adopts a large-capacity filter drum, the air inlet assembled with a fire-blocking plate, blocking sparks, can effectively filter out dust particles above 0.3μm, filtration efficiency of up to 99.7%, the smoke and dust by the filtration is discharged after the completion of filtration, it can make the air continue to be fresh and clean, improve the cleanliness of the room, reduce the harm of PM2.5, and create a good working environment.

## SPECIFICATIONS

Series	RS2200
Voltage	AC380V 50Hz
Power	2200W
Air volume	3400m³/h
Filtration	0.3μm 99.7%
Size	L600xW600xH1200mm
Weight	70kg
Size of flange	φ160mm
Dust box capacity	8.2L

# PRODUCT FEATURES

## POWER SYSTEM

With high air volume asynchronous motors, the maximum service life is up to 40,000 hours. Maintenance-free and High reliability, low noise, high speed, high air volume, high air pressure and high efficiency.

## FILTER SYSTEM

This product is equipped with a high-precision membrane filter drum, which can be cleaned and reused, with high filtration efficiency, long use time, low use cost, and excellent filtration effect for dry soot.

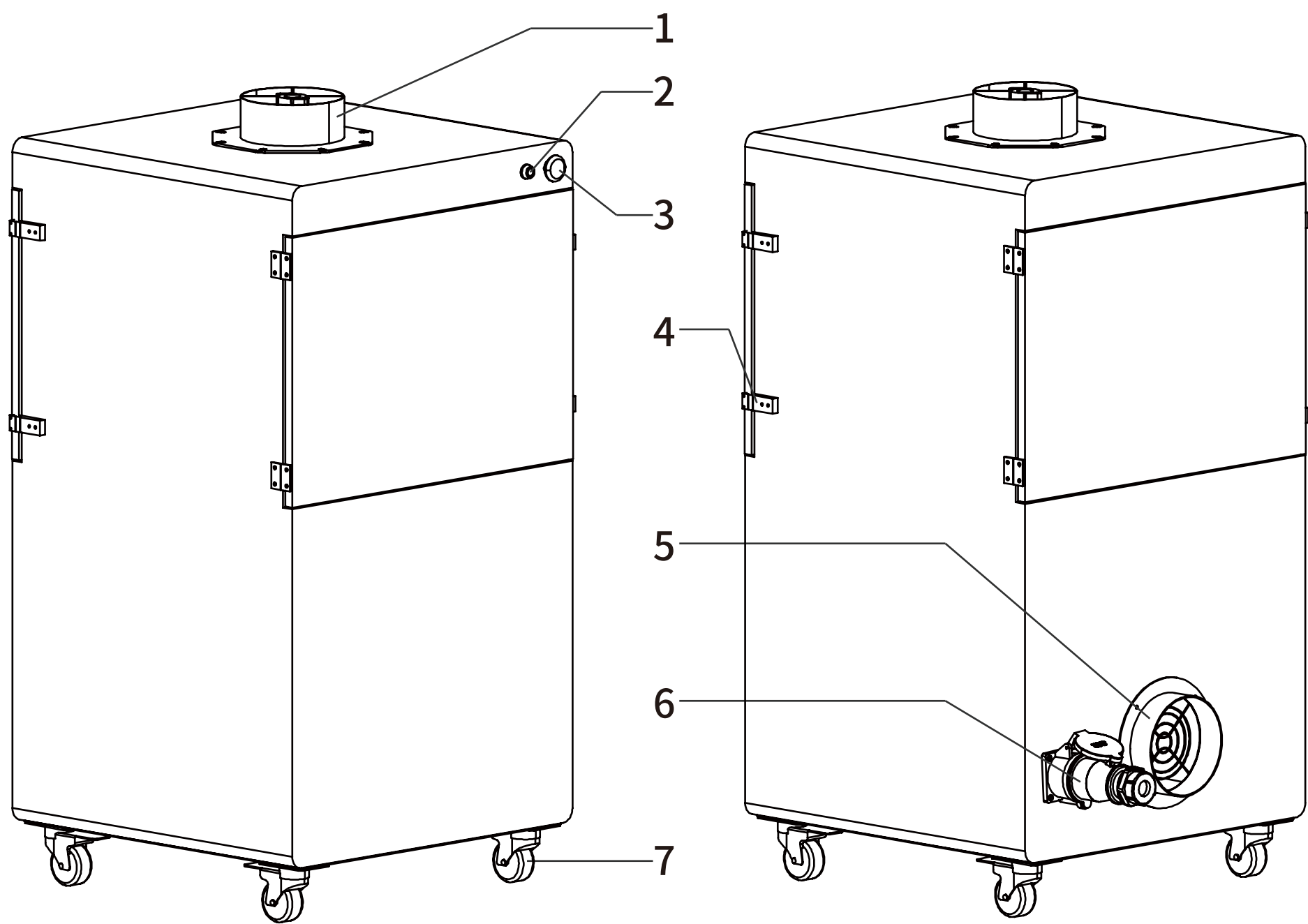
# PACKING LIST

Description	QTY	Size	Model	Note
Main machine	1 set	L600xW600xH1200mm	RS2200	
Power cord	1 pcs	R V V 2.5 sq. wire		optional
Smoking pipe	1 pcs	3 metres universal arm		
5-pole aviation industrial plug	1 pcs			
Filter barrel	1 pcs	Φ320x400mm		
User's manual	1 book			
Dust box	1 pcs	8.2L		

Note:The filter barrel is placed inside the machine

STRUCTURE

1	Air Inlet
2	Operating switch
3	Emergency stop switch
4	Filter compartment lock
5	Air outlet
6	5-pole aviation industrial socket
7	Universal casters



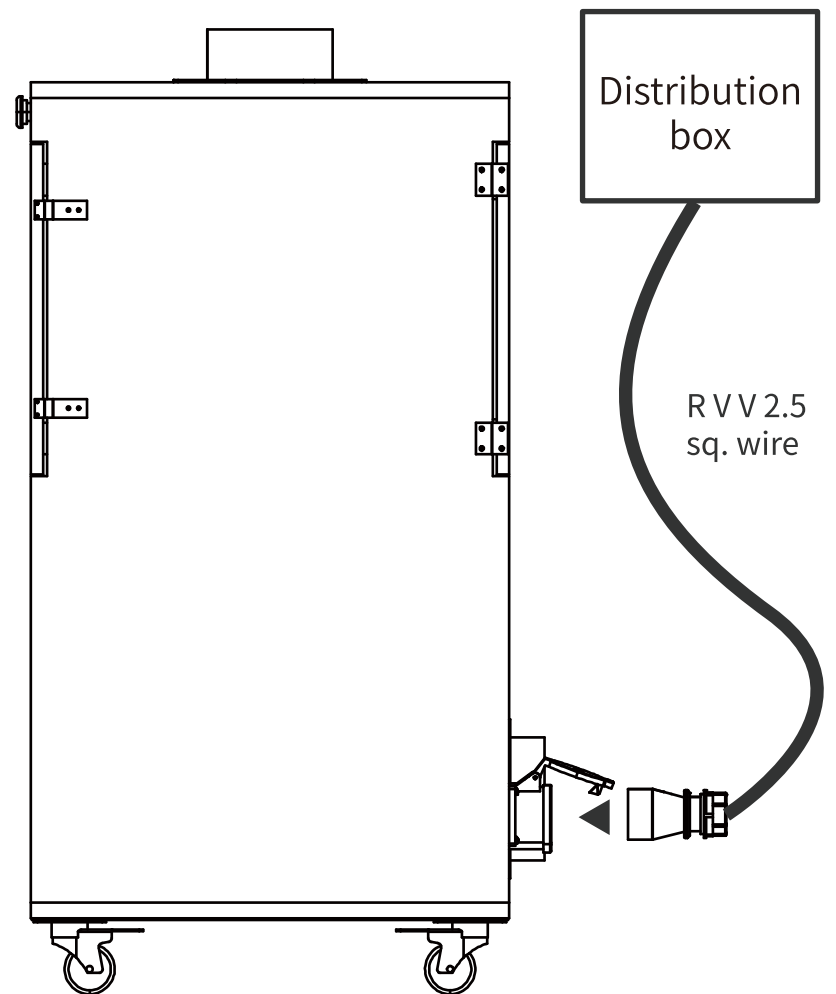
Note: Schematic diagram for single-station external exhaust models, if you receive the goods do not match this picture, please prevail in kind.

## INSTALLATION NOTES

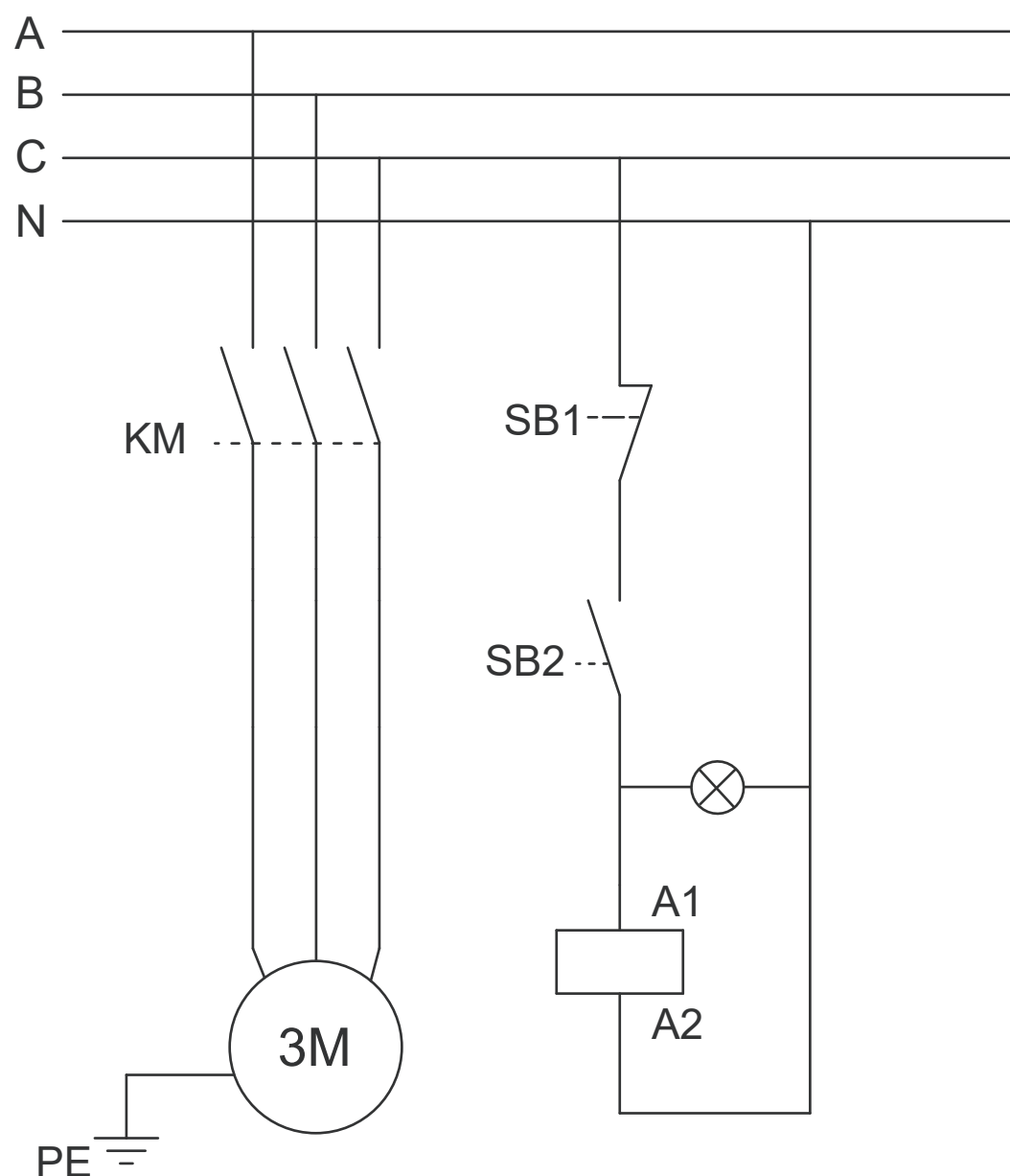
1. Connect both ends of the power cord to the industrial plug and the distribution box.
2. Press the run switch to start working.

Warm tips:

1. When using the device, you should try to make the air inlet directly opposite to the point of smoke and dust generation in order to improve the efficiency of smoking and dust collection;
2. The device must be switched on and used under the condition of plug and socket with good grounding.



## ELECTRICAL CONFIGURATION DIAGRAM

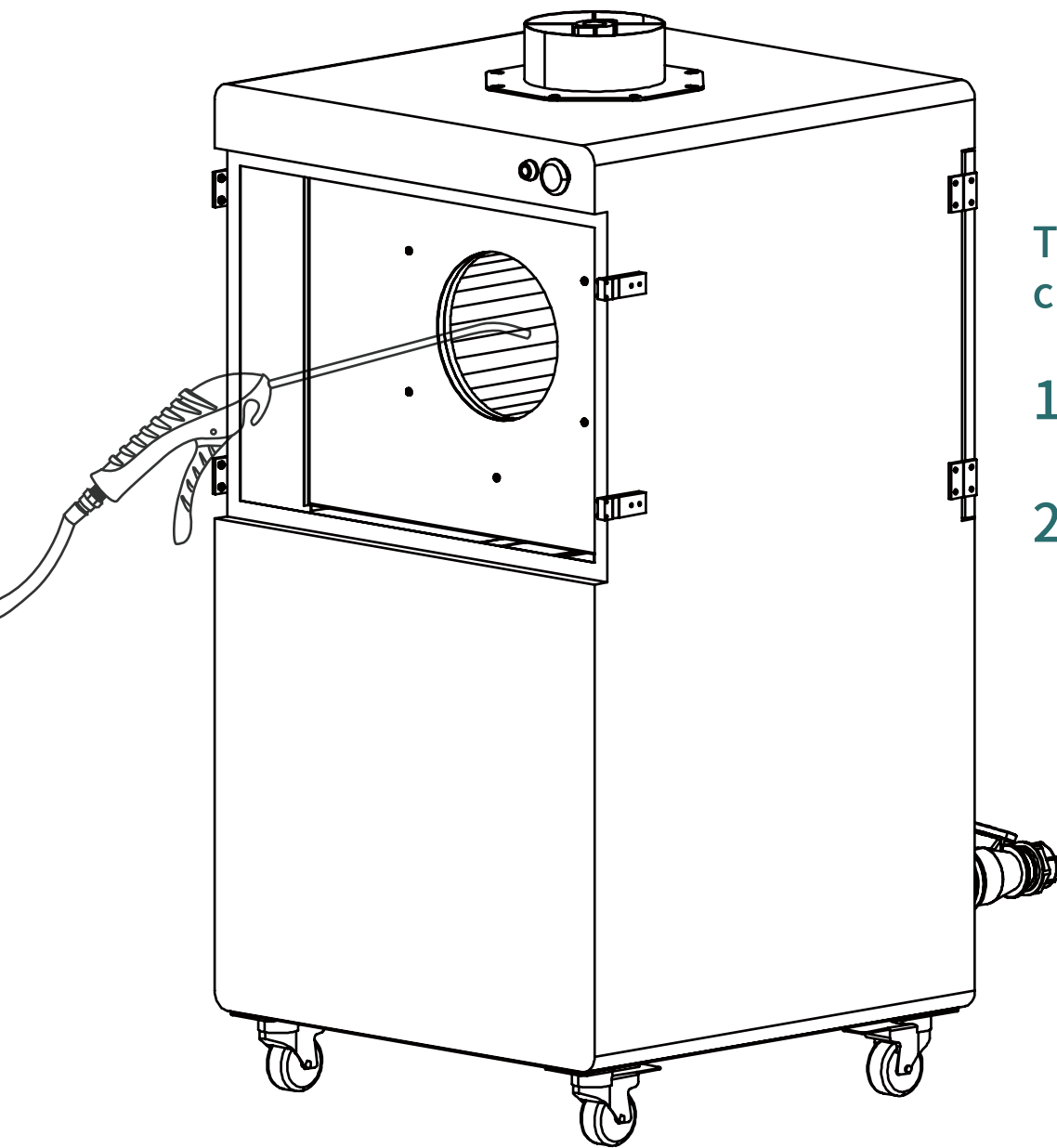


FILTERS

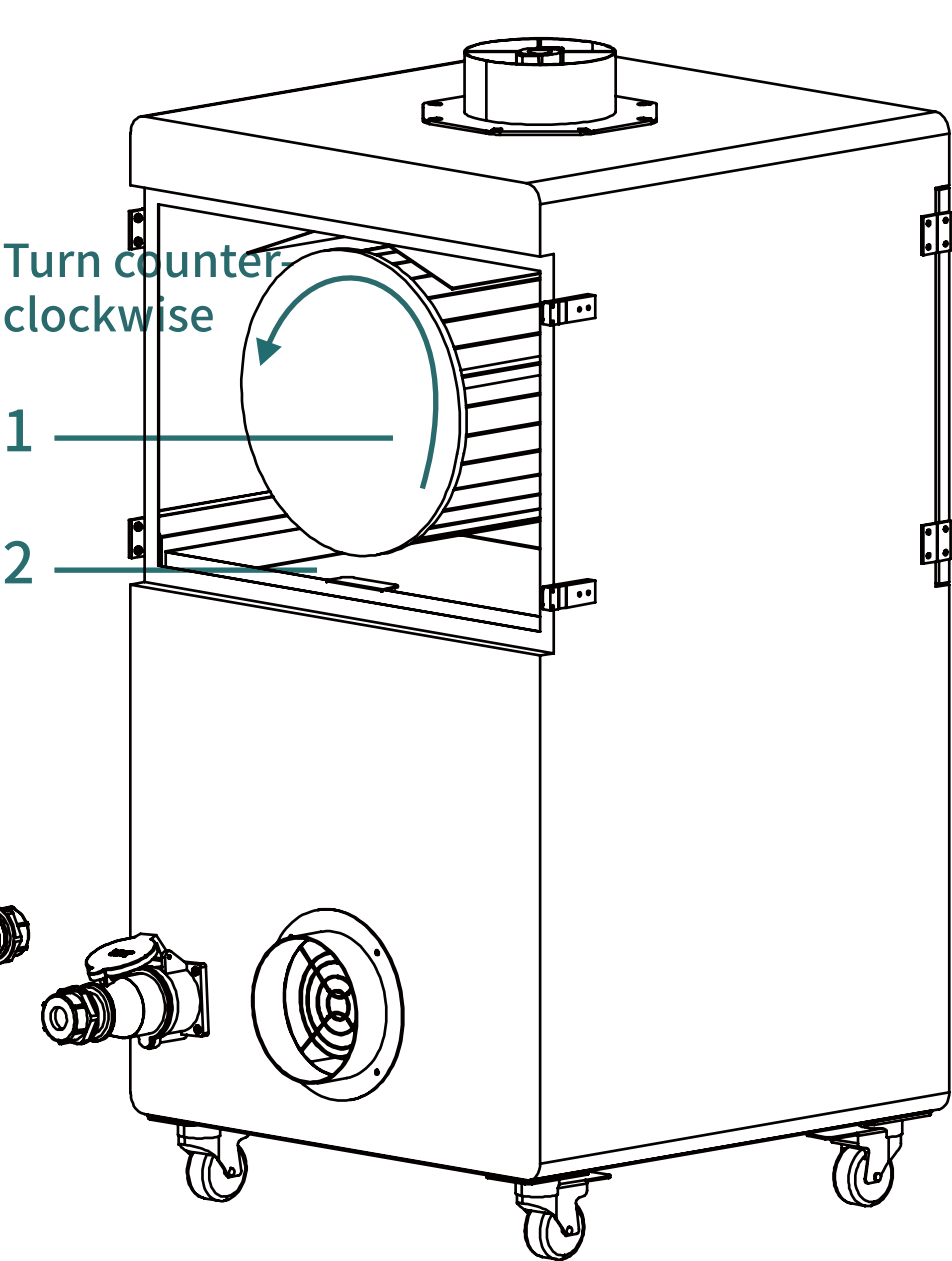
	Description	Replacement period	Replacing method
1	Filter barrel	6-8 months	Turn counterclockwise
2	Dust box	reuse	Pull out

Dust removal steps:① Open the frontal hatch;② Wash the drum using an air gun;③ The dust on the filter drum is blown down to the dust collection box, open the back hatch and remove the dust collection box to empty it.

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



Open the frontal hatch to blow out the dust

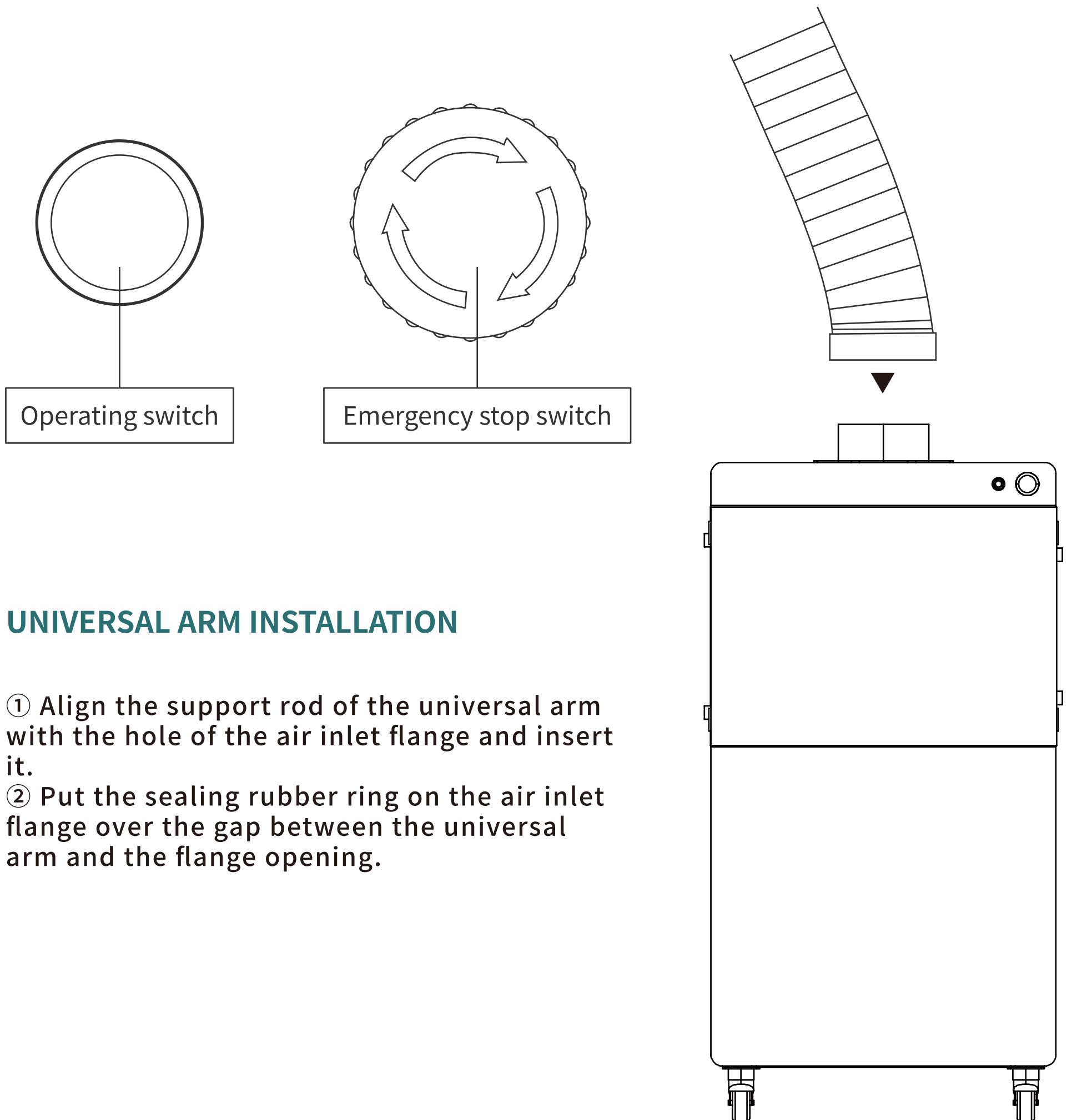


Open the back hatch to empty the ash or replace the filter cartridge



## EMERGENCY STOP SWITCH

When the equipment unexpected situation, you can urgently press the emergency stop switch to stop the operation of this equipment. When switching on again, it is necessary to rotate the switch to make it reset before switching on again.



## UNIVERSAL ARM INSTALLATION

- ① Align the support rod of the universal arm with the hole of the air inlet flange and insert it.
- ② Put the sealing rubber ring on the air inlet flange over the gap between the universal arm and the flange opening.

## 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, the speed is sometimes fast, sometimes slow.**

**Cause:** Motor Drive Board Failure.

**Tackle:** Contact the manufacturer or dealer to replace the driver board.

**3: Boot up but not function on**

**Check:** ① Whether the socket is poor contact, if the power socket is intact; ② Whether the driver board is faulty; ③ Internal wiring is not loose.

**Tackle:** Contact factory 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.

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