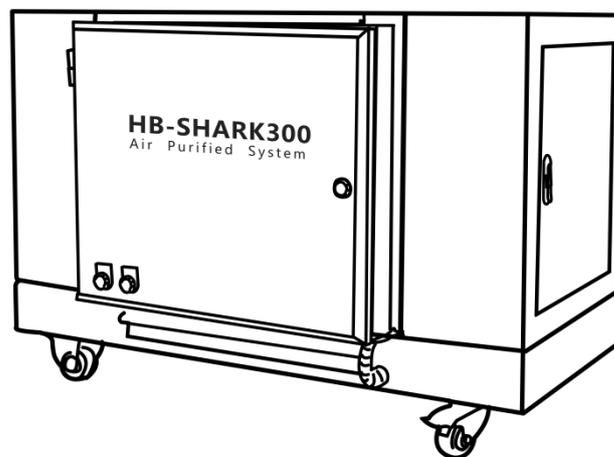




HB-SHARK300

Manual



I.Important information

Any problem, please contact the manufacturer or your local dealer.

SAFETY PRECAUTIONS AND WARNINGS

Non-professional electricians should not open the door to avoid personal injury.

The manufacturer is not responsible for any consequences and consequences resulting from failure to perform any of the hazards, warnings, reminders, etc. in this manual to perform maintenance and maintenance procedures.

Do not use following substances, which may cause fire, explosion or malfunction.

Explosive substances, Pyrophoric substances, Corrosive gases such as sulfuric acid and hydrochloric acid, Flammable gases: hydrogen, methane, butane, etc.

The power hazard icon warns you to avoid possible electric shocks.

Warning how to avoid possible personal injury.

When using this equipment, it is important to carry out regular cleaning and maintenance. The manufacturer recommends maintenance once a month.

For consultation on cleaning and maintenance, please contact us directly.

In order to facilitate the extraction of the plates and the primary filter, the host needs about 1 m of maintenance space on the side of the door. Please check regularly to remove and remove the collected contaminants.

II.EQUIPMENT USAGE

HB-SHARK electrostatic fume purifier is a special equipment for cooking cooking fumes and industrial soot and dust produced by the catering industry. The equipment has the characteristics of modular combination, stable operation, long service life, simple operation and convenient maintenance and cleaning.

The flue gas treated by the equipment must be discharged to the open space through the pipeline. The height of the discharge port should conform to the standards of relevant national laws and regulations, and the discharge port should not be objects such as trees, walls, and residents' balconies.

Using environmental parameters

Ambient humidity: +10~+40%

Ambient temperature: 5~40°C

Applicable to flue gas: non-flammable, explosive, volatile and corrosive gases such as industrial fume exhaust gas, industrial machine tools, machining center coolants and industrial fume; note: it is strictly forbidden to burn diesel stoves, boilers, etc.

The other black smoke introduced by the burning is introduced into the equipment together with the soot.

Transportation and storage

The unloading of equipment packaging, the transportation of packaging to the assembly site and the transportation of product modules to the installation site shall be carried out by professionals using special tools. There shall be no collision and damage to the surface of the equipment casing.

Outdoor packaging must be stored in a location that is solid, dry, and free from falling objects. A solid surface means flat, level and solid surface, and will not affect traits due to climatic conditions.

Unpacking Note: The equipment should be carefully disassembled when unpacking, check the surface of the equipment for defects such as paint smear, check the packing list to check whether the accessories are complete, and check the certificate and instruction manual. If the

equipment is found to be damaged and the accessories are not aligned, please contact the supplier in time. Otherwise, EASY Coffee Technology (Ningbo) Co., Ltd. will not be liable for any loss caused by this.

III. Machine parameters

Use environment

Name	Value	
Operating temp	20-60	°C
Relative humidity	10~40	%

Machine data

Machine size	110×60×75cm	
Total machine weight	120	kg
Purification way	0-0.03	m ³ /h
Into the wind pipe diameter	80	mm
Number of air inlet ducts	2	pcs
The wind pipe diameter	150	mm
Number of air ducts	1	pcs
Platform bearing	200	kg
Airflow dealer	3500	cmh
Purification efficiency	>95%	

Electrical data

Rated Frequency	80	Hz
Rated Voltage	220	V
Roasting Mode Power	60	W
Cooling Mode power	300	W

IV. Overview

Working Principle

The lampblack produced in the process of roasting raw coffee beans is adsorbed through the smoke removal and purification platform to make the gas discharged colorless and tasteless.

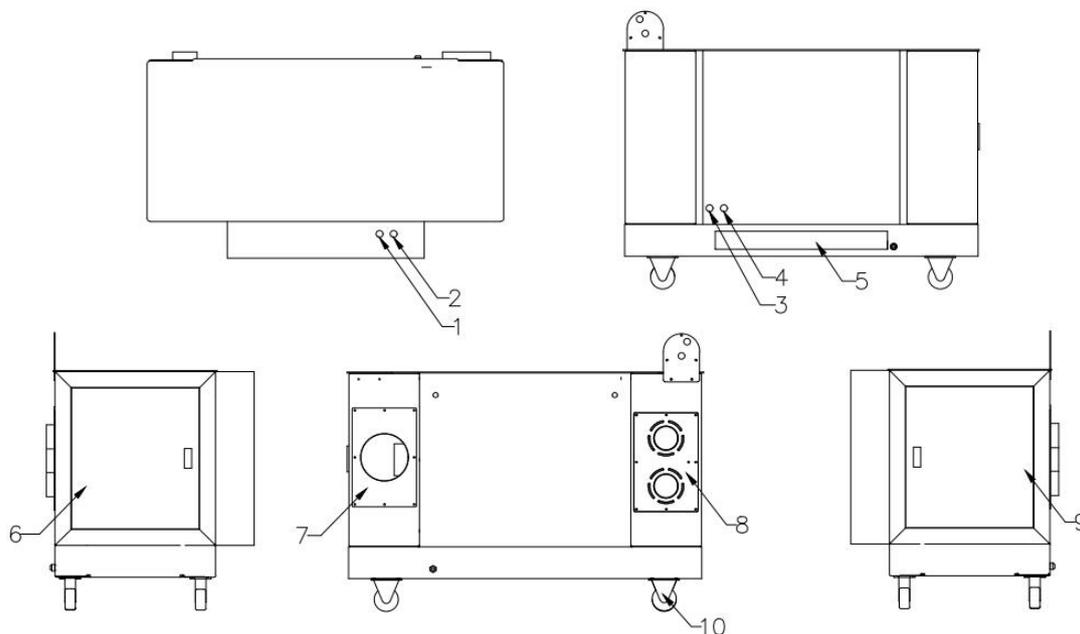
Control box access door——Electrical maintenance;

Electric control box——Install the electronic components, open the door, check the plate;

Oil Basin——It is used to collect the separated oil;

Initial Effect Filter——Block debris into the plate, the initial effect of filtering large particles of oil;
 Indicator Group——Indicates the running state of the device;
 Microswitch——Open the door and power off function;
 High pressure generator —— The lampblack particles are ionized to produce high pressure;
 Electrical control panel——Control the operation of equipment;
 Teflon insulation isolation cover —— Insulating with the body and conducting with the plate;
 Ceramic Teflon——The high voltage generator conducts electricity with the plate;
 Stainless steel high voltage plate conductive spring——The high voltage generator conducts electricity with the plate;
 Soot Collecting Plate——Adsorption of lampblack and particles;
 Stainless steel high voltage plate conductive sheet——The front and rear plates are conductive by high voltage butt;
 Electric control box door lock——Lock the electric cabinet.

Parts Graph



- | | | |
|----------------|-------------------|---------------------------|
| 1.Power | 2.Fan switch | 3.Running indicator light |
| 4.Trouble lamp | 5.Oil basin | 6.Right access port |
| 7.Aoutlet | 8.Two air intakes | 9.Left access port |
| 10.wheel | | |
- (Optional differential pressure gauge)

V.Installation and Adjustment

Installation

Air inlet connection

* The exhaust pipe of the coffee roaster can be connected with two air inlet pipes.

Outlet connection

* Connect the air outlet pipe to the outside.

The wheels installed

*Four wheels are fitted around the bottom of the machine

Electrical equipment connection

* Plug in the power plug of the smoke remover.

* Please make sure the machine is grounded.

Check the installation

Check and make "✓"

The smoke remover has been securely placed	()
The air inlet pipe has been fixed	()
The air outlet pipe has been fixed	()
The left and right access ports are closed	()
Fire equipment is at the ready	()
Connected power supply	()

VI.Safety

1. Please fix it firmly under the body when installing to prevent falling.
2. Static electricity will be generated during operation, and the body should confirm the grounding wire.
3. Do not insert your fingers or other foreign objects into the air inlet.
4. Unplug the plug before cleaning.
5. Do not spray insecticides or other flammable gases toward the body.
6. There is high voltage inside the body, please do not disassemble it yourself to avoid danger.
7. When abnormal (burnt, odor, etc.) Please turn off the power and unplug the plug.
8. When the machine fails, please contact our service department or professional staff for repair.
9. The company is not responsible for warranty and damages if there is any damage caused by self-disassembly.

VII.To remove smoke

Turn on the power

Plug in the power plug of the smoke remover and energize it.

Start-up

Press the power switch to start the smoke eliminator.

Press the fan switch, turn on the fan, smoke eliminator to remove lampblack action.

Press the fan switch again, turn off the fan, and the smoke remover stops removing lampblack.

When the machine is abnormal, stop removing lampblack.

VIII.Maintenance and troubleshooting

NO.	Situation	Possible Causes	Check item	Solution
1	Static electricity cannot be turned on	Circuit breaker action	Visual inspection	repair
		High voltage insulated wire is damaged or the high voltage generator is faulty the high voltage	Use Multimeter	replace
		Signal interruption	Use Multimeter	repair
2	Machine has continuous tapping	Plate too wet	Turn off the static electricity and air dry for 15-20 minutes	
		Plate too dirty	Use Multimeter	repair
		Poor grounding, or poor contact between high and low connectorhigh and low	Plate spacing	maintenance
		Insufficient damage	Visual inspection	replace
3	The machine suddenly loses power	Current overload	Please reactivate after 10 minutes of shutdown	
		Machine leakage		repair
		Plate too dirty		maintenance
4	High voltage insulated wire is damaged	High voltage insulated wire insulation layer is broken and	Visual inspection	replace
5	High pressure generator damage	Electrical short circuit	Visual inspection	exclusion
		Plate too dirty	Plate spacing	maintenance
		Poor contact between high and low joints	Visual inspection	replace

6	Poor smoke removal	late too dirty	Plate spacing	maintenance
		Output voltage is too low	Use Multimeter & High pressure probe	Adjustment
		Flow speed too fast	Flow speed measure	Adjustment
<p>√ Although the power switch of the machine is turned off, there is still possibility of charging in the power box. Therefore, before performing equipment maintenance, be sure to turn off the power supply main switch outside the equipment.</p> <p>√ After opening the access door of the equipment, the residual charge in the plate should be vented with a screwdriver as shown on the right. The specific operation is to hold the insulated handle of the screwdriver, and use the metal part of the screwdriver to short the electric field on one of the plates.</p>				
<p>√Ask professional electrician to operate.</p>				

IX.machine maintenance

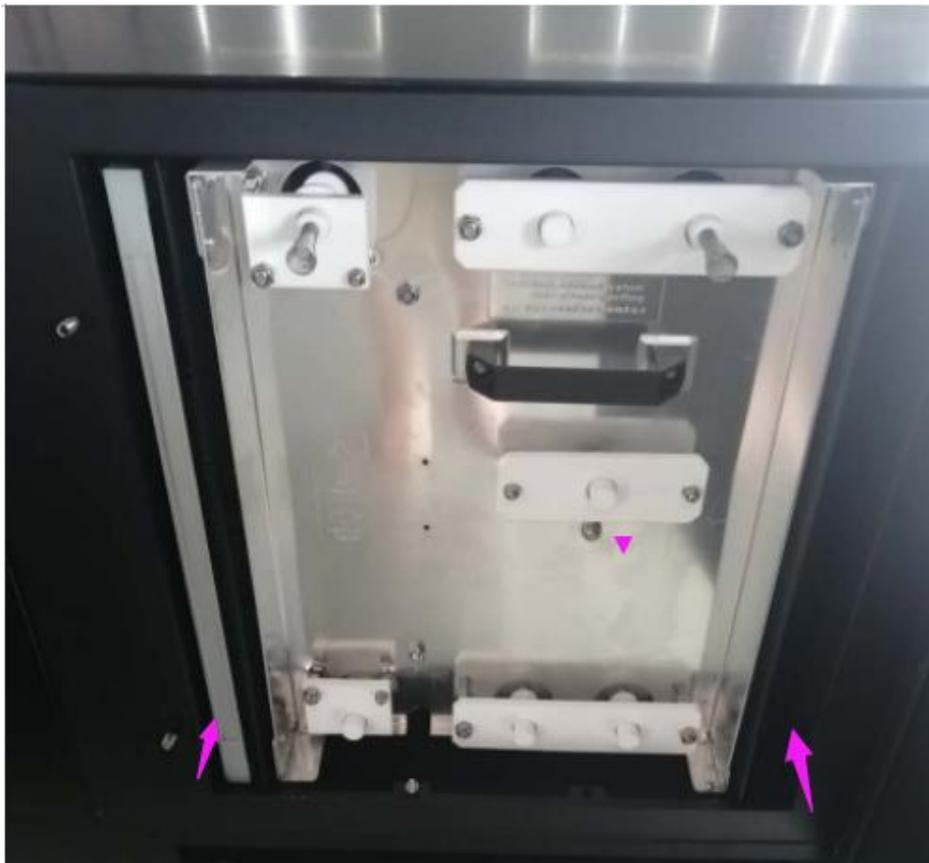
Use the key to open the electric cabinet door of the equipment



Find the two black knobs on the left, rotate them out, and open the front electric cabinet.



One net on each side.



Take out the right activated carbon mesh for cleaning and drying, and

then put it back into the machine.



If it is found that the machine frequently produces static electricity, it is necessary to open the whole host for cleaning



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