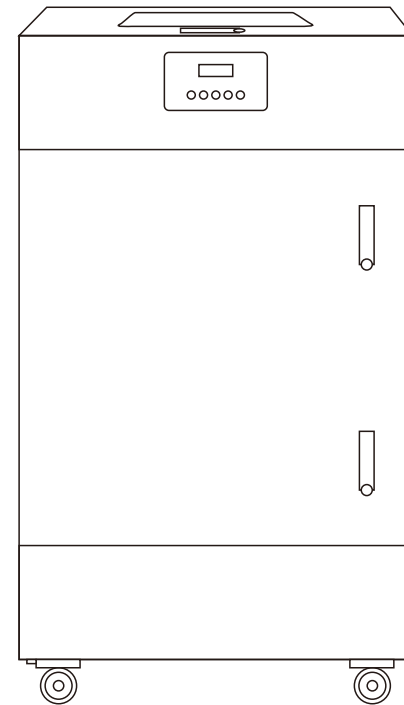


User Manual



600w Fume Extractor

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11. Important Use Considerations



The power source for this machine must fall within the specified nominal voltage scope (subject to the power identification on the machine body). It is strictly forbidden to use this machine with excessive high or low voltage, if the ambient voltage is unstable, please turn off the machine, unplug the power plug and use it again once the power has stabilized.



While using the machine, the ambient temperature range of the gas and the dust which is sucked into the air inlet should be within the range of atmospheric temperature to a maximum of 60 °C. Never use the machine when the temperature is higher or lower than this temperature range.



When using the machine, the humidity of the gas and the dust sucked into the air inlet should be between the range of 40%-80%. If the humidity is excessively high, the filter element will become ineffective rapidly and the internal circuit will be damaged. Never use the machine when the humidity is higher than 80%.



If the machine has a primary cotton filter, then this filter must be properly installed before machine use. The primary cotton filter is considered a disposable consumable item and should be replaced once it becomes clogged. (DO NOT WASH AND REUSE). Please replace the primary cotton filter with an OEM part regularly. Never use the machine without the primary cotton filter or with a poorly performing primary cotton filter.



It is strictly forbidden to use this machine without a filter element because the fumes or the dust particles sucked in the machine directly will cause damage to the air blower and the control system. Any fault caused by machine use under the previously stated conditions shall be serviced at the user's own cost.



Do not continue to use the machine when the filter element or the cotton filter is clogged. This will greatly shorten the service life of the machine and will damage the machine. Please clean and maintain the machine regularly and replace the filter element regularly to ensure the proper operation of the machine.



In the event that your machine filter element becomes clogged, the suction force is lowered or the filter element for foreign odor removal fails to remove the odor, it is not permitted to use this machine by reducing the machine's number of layers of the filter elements or without utilizing the primary filter element or cotton filter. Please replace the filter element and primary cotton filter with OEM filters.

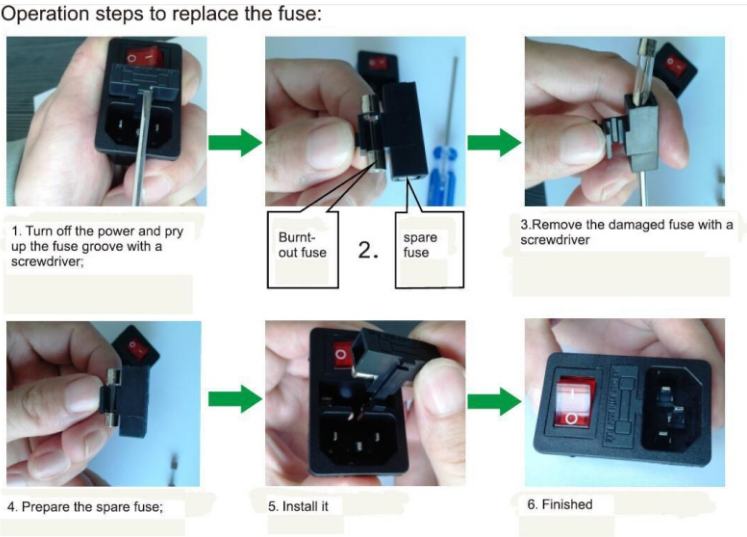


Never open the machine for maintenance by yourself, the warranty sticker on the machine is the only voucher you have to enjoy after-sales service so please don't tear it up or damage it.

Problem 3: Power switch is ON, but machine does not run and the power indicator does not light up.

Cause:The fuse might be bad.

Solution:The fuse needs to be replaced by performing the following steps:



10. Filter Use & Maintenance

1.Pre-filter

Use method: If dust deposition area reaches 70% of the filter element and it cannot be cleaned up then replace the primary filter.

2.Middle filter element

Use method: With the air intake arrow upward, place the filter element on the top layer inside the filter element holder. Clean the filter element if it is filled with dust and suction force is obviously affected. Replace the

3.Activated Carbon Filter

Use method : With the air intake arrow upward, Place the filter element below the middle filter element. Replace the element if the odor elimination effect is clearly reduced.

1. Product Overview

This product conforms to applicable CE requirements and the purifying effect has been confirmed by the American PONY international professional testing agency.

This product is suitable for applications where fumes are produced such as smoke, peculiar smells, dust, poisonous and harmful gas, soldering, laser marking & carving, printing, and medical care, etc.

With the triple-filter design and powerful suction, the absorbing efficiency and filtration ratio can reach 99.97%. The purified air can be discharged directly indoors.

2.Features

This machine includes the following features:

- 1.Brush-less motor, characterized by low noise and high revolution, stable operation, long service life, low power consumption, high efficiency (maintenance free and zero consumables).
- 2.Vortex fan design, characterized by fatigue resistance, smooth running, low noise, large air volume, high suction and high efficiency.
- 3.Step-less speed regulator installed for remote control of air volume.
- 4.Multiple filter design to ensure thorough filtration of toxic or hazardous substances and protect human and environmental health.
- 5.All filter elements are replaceable, which both extends the service life of filtering cores and reduces their operating cost.
- 6.Easy installation and environment fit.
- 7.CE certified, safe and reliable.
- 8.National air quality testing certified.
- 9.All metal frame construction, resists impact and vibration
- 10.Casters on bottom for easy movement.

3.Unpacking Inspection

Please check carefully to ensure that the following listed parts are included. If there are any missing or damaged items, please contact the customer service department.

Name of Parts	Q'ty	Specification	Remarks
Machine	1	600W	
Power Line	1	1.5M	
Hose	2	100MM*3M 150MM*3M	
Remote Control	1		
User Manual	1		
Spark Trap	1		Installed
Pre-Filter Cotton	5		1 of the 5 pieces is installed in the main unit.
Medium effect filtering	1		Installed
Activated Carbon Filter	2		Installed

4.Check Before Using

Before switching on the power for the first time, please ensure that the following conditions exist, so as to guarantee safe operation.

- 1.The machine should be intact;
- 2.The power switch should be in the OFF position;
- 3.The filter element(s) should be evenly placed;
- 4.The cover and box body should be installed securely;
- 5.The speed-regulating button is adjusted to "OFF" Status;

Confirm/Set Button

If the machine is in alarm status and buzzer sounds, press the Confirm/Set button to turn OFF the alarm. If the machine is not in alarm status, press the Confirm/Set button to check the total working hours of the machine.

Panel Lock-up

Press this button on the remote when the machine is working, all function keys on the machine control panel will be locked. Press again or reboot the machine to unlock.

9. Troubleshooting



Make sure the power is switched off and unplugged before inspecting or repairing the machine!

Problem 1: The machine still works, but the air flow is very weak and suction power is greatly reduced.

Cause: Air Inlet is blocked or foreign body exists inside the duct. The filter becomes saturated and hence gets blocked and gives an alarm.

Solution: Turn off the power and open the top cover. Check if there is any foreign body blocked in the air inlet. Then check if the air vent is blocked or not. If the suction power of the empty-loaded machine is normal, it means the filter needs to be replaced.

Problem 2: The machine shuts down automatically after it is just started. Even if you restart the machine, the same problem happens again.

Cause: The air flow through the machine is obstructed. As a result, the starting current of the fan becomes very high, hence the machine shuts down automatically for self protection.

Solution: Turn off the power and open the top cover. Check if there is any foreign body blocked in the air inlet. Then turn the speed to the lowest level and restart the machine. The machine should function normally.

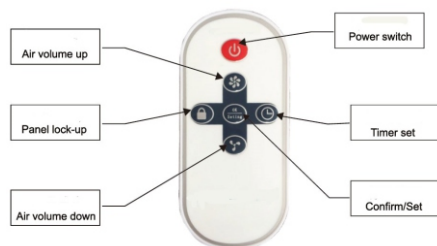


Illustration of Remote Control

8.5 Operator Interface Button Functions

Power Switch button

Pressing the power switch on the remote control or the machine control panel should cause the machine to start running and the orange light on the machine control panel should turn ON. Pressing the power button on the remote or the machine control panel again should cause the machine to stop running and the orange indicator light on the machine control panel should turn OFF.

 In the event that the machine takes a long time to shutdown, please turn OFF the machine main power switch and unplug the power plug.

Air Volume Up Button

Pressing this button will increase the wind speed when the machine is running.

Air Volume Down Button

Pressing this button will reduce the wind speed when the machine is running.

Timer Set Button

While the machine is running, press the Timer Set button, the digital display will show HXXX. Then press the Air Volume Up/Air Volume Down Air Flow buttons to adjust the shutdown timing. XXX represents the set running hours of the machine with the maximum of 300 hours and the minimum of 1 hour. After you complete the setting, press the Timer Set button again, the digital display will show the fixed set time: HXXX. For example, H005 represents that the machine will shut down automatically in 5 hours.

5. Symbols

Please check carefully to ensure that the following listed parts are included. If there are any missing or damaged items, please contact the customer service department.

	ATTENTION - CAUTION
	FIRE HAZARD
	ELECTRICAL HAZARD
	INJURY HAZARD

6.Safety Precautions

-  Before use, please read and follow the safety precautions below to prevent fire and personal injury.
-  This product is prohibited to be used in a high temperature environment (above 80°C) or in a flammable, explosive or greasy environment.
-  Supply wire must be grounded during operation. Internal electric voltage of the product is as high as 310V.
-  Do not remove or install filter elements while the machine is operating. Hands or other objects should not touch the rotating impeller. Dis-assembly of the product for inspection or maintenance must be performed by professionals.

7.Specifications

Air Inlet Interface	Φ100mm&150mm Flange
Input Voltage	AC110V
Maximum Power	600W
Filtering Efficiency	0.3μm 99.97%
Noise	≤ 68dB
System flow	620m ³ /h
Dimensions of Main Unit	L580×W415×H925mm

8.Installation & Use instructions

8.1 Filtering Core Installation

- 1.Pull the two twist locks upward and rotate clockwise to the "OPEN" position to open the front gate;
- 2.Grasp the handle on top layer and pull out filter elements layer by layer;
- 3.After replacement, put the elements back in sequence from bottom to top layer by layer;



Prohibit misplacement of filtering layers. Strictly follow the direction of arrows.



Touching the fan inlet by hand is strictly prohibited and could cause serious injury.

8.2 Cleaning, maintenance and replacement of inlet box

Always check the inlet box through the glass on the top cover for contaminants. Follow the steps below to clean and maintain the inlet box when contaminants are observed:

- 1.Pull the two twist locks upward, and rotate clockwise to the "OPEN" position to open the front gate;
- 2.Replace primary filter;

3.Slightly dip hair brush or soft cloth with alcohol or water to wipe the transparent glass on front gate and the inner side of the door panel;

4.Clean off the contaminants on the four sides of the inlet box.



The inlet box should be cleaned periodically (once a week preferred) to prevent premature clogging of the filtering system.

8.3 Suction Duct Hose Installation

- 1.Remove the hose from the package, and attach it to the duct flange on the cover of the machine.
- 2.Turn the tube, aim exhaust fume collecting hood with smoke outlet. Adjust the suction distance based on the application.



When adjusting the direction of suction duct hose, try to maintain a broad loop or bend radius of the hose, otherwise it will affect the suction force. The suction inlet shall directly face the working point. Keep the distance within 150mm.



Try to avoid areas with excessive air flow, otherwise suction force will be affected or diminish completely.

8.4 Machine Operating Instructions

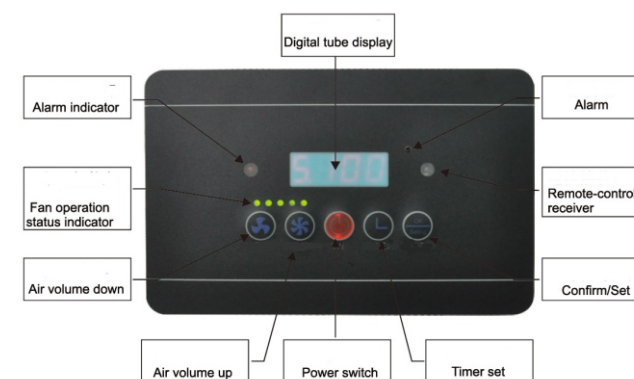


Illustration of Control Panel