




Picture 2

7.4 Operator Interface Button Functions

Power Switch button

Press the power switch on the machine control panel to make the machine start running, and the orange light on the machine control panel should turn ON. Press the power button on the machine control panel again to make the machine stop running, and the orange 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.

8. Filter Use & Maintenance

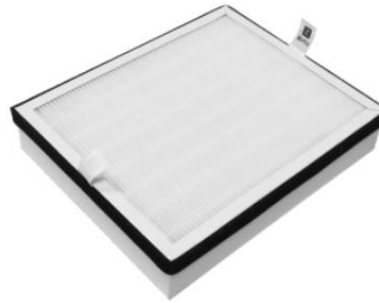
This product uses disposable filtering elements. When these elements have been used to a certain extent, they need to be cleaned or replaced in order to guarantee the good purifying effect of the machine.

1. Pre-filter



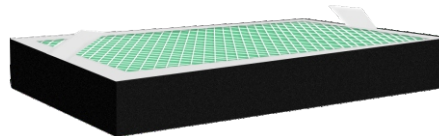
If you are engaged in laser welding soldering work that produces more large particles, we recommend placing 2 pre-filters in the FC-100A. This provides better filtration and can extend the life of the main filter. In addition, clean off the large particles of impurities on the used pre-filter, which can be reused as appropriate.

2. Middle Filter



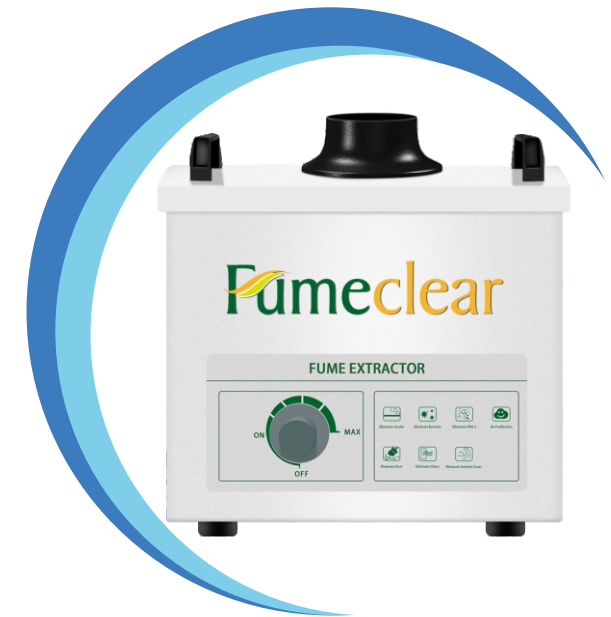
Use method: With the handle side facing up, put the Middle Filter and Medium carbon filter inside the Main Filter. The medium filter shall be immediately cleaned off when the accumulated dust on the Middle Filter evidently affects the suction power. When it cannot be cleaned any more, please replace the Middle Filter with a new one.

3. Main Filter



Use method: With the handle side facing up, place the Main Filter at the bottom inside the machine. When it cannot effectively eliminate the peculiar smell in the smoke, please replace it with a new one.

User Manual



Model: FC-100A Fume Extractor

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 smoking, 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. 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	Qty	Specification	Remarks
Motor	1		Installed
Power Line	1	1.5M	
Duct	1	50mm*0.75cm	
User Manual	1		
Pre-Filter	10		1 of 10 is installed
Medium filter	1		Installed
Carbon Filter	1		Installed

3. 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;

4. 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.

5. Unit Components



6. Specifications

Fume Extractor	
Air Inlet Interface	Φ50mm Flange
Input Voltage	<input type="checkbox"/> AC220V <input type="checkbox"/> AC110V
Maximum Power	100W
Filtering Efficiency	0.3μm 99.97%
Noise	<55dB
Systemic Flow	200m ³ /h
Dimensions of Main Unit	L270×W222×H257mm
Weight	7kg

7. Installation & Use instructions



7.1 Filtering Core Installation

Open the top cover and correctly install the high-efficient filtering core, medium-efficient filtering core, primary-efficient cotton filtering with top cover and press for buckle hasps at the (two sides).

7.2 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 the 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.


7.3 Machine Operating Instructions

Plug in and check if the power plug is properly fit into the socket. Turn on the power switch (Picture 1).



Picture 1

Adjust the speed-adjusting knob to start the machine according to different needs on the airflow (Picture 2).

-  Before starting the machine, the speed-adjusting knob should be adjusted to the OFF position.

The air flow should be set according to the actual demand. It should not be set too high or too low. Excessive air flow increases the power consumption as well as the noise level.