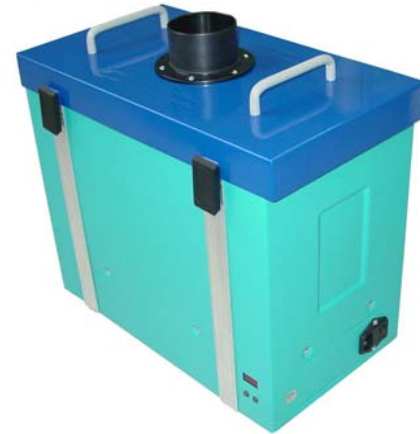


# Fume Purifying & Filtering System

## Instruction manual

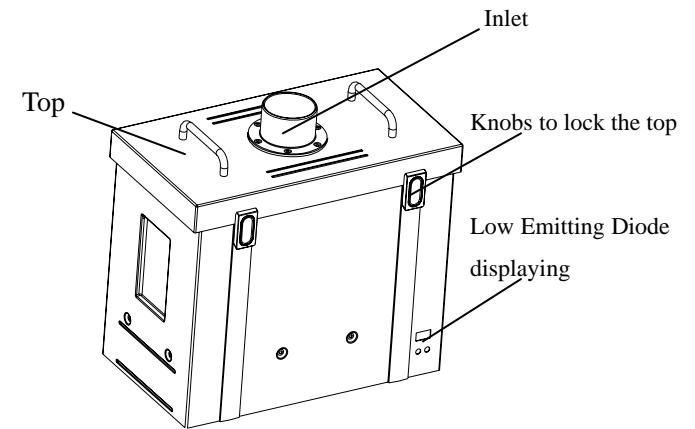


Thank you for purchasing the unit. Please read the manual carefully before operation and after reading it, Store this manual in a safe, easily accessible place for future reference.

## 1. SUMMARY

The unit is a Fume Purifying & Filtering System for cleaning of both particles and gases. The unit is single fuming arms design and during the process of soldering, laser marking, laser carving, printing etcetera, to be used at filtrating the harmful substances, such as hydrocarbon, cyanide etc.

With good efficiency, it designs a Triple-filter system, pre-Filter, HEPA (high efficiency) filter and gas filter. The pre-filter with large area can filter the bigger powders for prolonging the main filter's life. And the main filter system is made of HEPA filter and gas filter. The HEPA cleans the gas and powders filtering from the pre-filter and then output them to the gas filter, which with the carbon and other chemical combination, filters off the deleterious substance and then outputs the clean air.



## 2. CHARACTERS

1. It is easy to install and not lay pipelines.
2. Triple-filter design. Remove hazardous substances from fumes to ensure body safety. Pre-Filter and Main Filter can be replaced separately for prolonging the filter's life and cutting down the cost.
3. Built-in air cycling filtering system avoids discharging the cool/hot air to the

outside.

- 4. Low noise and Long-life brush-less fan with large airflow.
- 5. Single fuming-arm design, the airflow and arm both are adjustable.

### 3. SPECIFICATIONS

Voltage Range	200V~240V
Power	80W
Qty of Arms	1
Stationary Pressure	900Pa
Airflow	200 m <sup>3</sup> /h
System Airflow (Including Filter)	160 m <sup>3</sup> /h
Filtering Efficiency (0.3um)	99.97%
Arm Length	φ 75mm*1000mm
Noise	<65dB
Dimension (H×D×W)	400*230*350mm
Weight	7.8kg

### 4. PARTS

Name/model		No.	Remark
Unit			1
Instruction manual			1
Power cord			1
Arm	P-type arm	47640	1
	S-type arm (option)	47641	
Inlet for absorbing fume	Circle	41086	1
	Acryl cover (option)	47642	
	Taper (option)	41096	
Pre- filter		29240	2

2. The main filter must be changed when the LED circularly displays “□”.
3. When unit alarms, check the hose (fuming arms) and nozzles, clean if necessary. If the suction is deficient after cleaning, change the main filter.
4. When change the main filter, turn off the power supply and loosen the top with the 4 knobs on the sides of the unit. Lift the top straight up and put it aside. Pull the main filter straight up.
5. Replace a new main filter and re-assembled it as the reverse order. Make sure the inlet to the fan fits to the connection in the bottom of the filter and that the new filter has the right side up.
6. Mark with the date of change when changing a new main filter.



**Note:**

**If there are some other troubles shooting, please contract with our company or dealers.**

Arm's inlet	Regular $\phi$ 75	41087	1
	Adjustable $\phi$ 75 (option)	47643	
Inlet connecting & fixation (option)		42382	
Soft hose for connecting (option)		47644	
Outer key for adjusting the airflow		47645	1

**Note: the length of the fuming arm can be ordered according to the customer's demands.**

## 5. PUTTING INTO SERVICE

1. Connect the unit to the power socket and switch on the power supply. Adjust the fuming arms as different working occasion, the unit can work and purify the air.
2. After turning on the unit, the LED will display the uptime firstly and then display the current work time after twinkling three times.
3. It can adjust the airflow by the outer adjusting key and when turning off the key, the LED will display “OFF”.



**Note:**

**\*It must press the top part tightly and then fasten the knobs to lock the top. Or else, it may cause damage to the knobs.**

## 6. MANUAL SETTING

1. Press ▲ and ▼ keys at the same time, the LED will display the recommended or setting uptime.
2. Press ▲ and ▼ keys at the same time, when the LED displaying “---”, it must input the right password to the menu setting. The initial password is 000.  
**Password inputting:** firstly, change the hundred digital by pressing ▲ or ▼ key (The digital changing order is from 0 to 9). And then pressing ▲ and ▼

keys at the same time to save the hundred digital and enter into the ten digital setting. The setting method of ten digital and one digital is the same as the hundred digital setting.

### 3. Menu setting:

- 1) After into the menu setting interface, the LED displays “1”, which means it can exit the menu setting and return to displaying the current work time by pressing “▲” and “▼” keys at the same time.
- 2) In the menu setting interface, it can change the parameter by pressing “▲” or “▼” key. The parameters may be “2” or “3” or “4”, which has different functions.
- 3) When the LED displays “2”, which means it can set the upper limited work time. Pressing “▲” and “▼” keys at the same time will enter to the upper limited time setting and the LED will display “---”. The setting method is same as the “password inputting”. After setting successfully, the upper limited time will twinkle three times and then return to “1”.
- 4) When the LED displays “3”, which means it can reset the work time as zero. The setting method is the same as the “password inputting”. After setting successfully, the upper limited time and 000 will twinkle three times and then return to “1”.
- 5) When the LED displays “4”, which means it can set the new password. Pressing “▲” and “▼” keys at the same time will enter to the password setting and the LED will display “---”. The setting method is same as the “password inputting”.

If the next inputting password is the same as the previous inputting password, the password setting is successful, the new password will twinkle three times and then return to “1”. If the twice inputting password are different, it will directly return to “1”.

## 7. MAINTENACE AND REPLACEMENT OF FILTER

### Trouble shooting

1. **Phenomena: the LED clockwise displays circularly “□” and the unit alarms, the fan still work but the airflow is small.**

**Reason:** it may be the inlet of the fan has been blocked about half hour or may be the main filter has no effect.

**Check:** switch off the power supply, take up the top and check whether the outlet has been block and clean the other thing if necessary. Switch on the power supply again and then check the unit. If it is still block, please change the main filter.

2. **Phenomena: the LED anticlockwise displays circularly “□” and the unit alarms, but the fan still work.**

**Reason:** it may be the unit has worked up to the upper limit time.

**Check:** switch off the power supply, take up the top and pre-filter and then change a new main filter. After that switch on the unit again, enter to the menu setting and clear the work time.

3. **Phenomena: the LED displays “OFF” and “ERR” by turns and the unit alarms, besides, the fan and motor stop work.**

**Reason:** it may be something wrong with the fan or the circuit.

**Check:** switch off the power supply and then switch on again, if it cannot work in gear, please check the fan.

### Parts Maintenance and Changeable

1. The fuming arm should be often clean. And The pre-filter system should be often changed.