

Solder Fume Extractor User Manual

ATO-FE-CN301



1. User Note

Dear user:

Thank you for purchasing ATO fume extractor, For your safety, please note the following:

ATO-FE-CN301 Fume Extractor is strictly prohibited in high temperature, high humidity, flammable, explosive and strong electromagnetic field environment stored or used.

▲ When not in use for a long time, disconnect the power supply and the machine switch is off.

The distance between the smoking hood and the smoke generating point directly affects the smoking effect.

Recommended: smoking hood and the distance from the production of cigarettes to keep at 10-15cm is appropriate.

The flow velocity of the surrounding air of the smoking hood directly affects the smoking effect.

Suggestions: Adjust the direction of the fan or air conditioner outlet in the vicinity of the smoking hood, or even close it. It can also be used to block the effect of air flow on smoking.

The longer the length of the pipe, the weaker the smoking effect

Recommended: smoking pipe branch as much as possible within 1.4 meters.

The more corners of the pipe, the worse the smoking effect.

Suggestions: to reduce the corners as much as possible, if the corners can not be avoided, but also as much as possible to increase the rate of bending.

Our company will not be held responsible if the filter is not used as required, if the filter is not replaced on time, or if a bad filter is used.

2. Product Overview

Laser Smoke Purification Filtration System uses a variable single, dual position design and multi-layer filter. Including the early effect filter, PP effect, activated carbon high efficiency filter, the main effect filter (by the HEPA efficient filter part and gas filter part). Large-scale pad-type early effect filter can effectively filter particles larger dust, extending the main effect of the filter life. The control system uses adjustable speed, according to the amount of exhaust gas on the air volume of the continuous and precise adjustment.

ATO fume extractor can effectively absorb and filter in the production process of smoke or dust generated, while the toxic and harmful gases and dust (such as formaldehyde, benzene, ammonia, hydrocarbons, hydrogen compounds, etc.) play adsorption and filtration Effect, and can achieve 99.97% of the purification rate, thereby preventing environmental pollution. Clean air after purification can be directly in the indoor release, no external pipeline to the outdoor discharge.

3. Features

- ★ appearance rigid type, all-metal frame structure, can resist strong collision and vibration; body light, easy to move.
- ★ easy to install without further access to the pipeline, is conducive to the clean and beautiful work space.
- ★ multi-filter design to ensure that the smoke in the removal of harmful

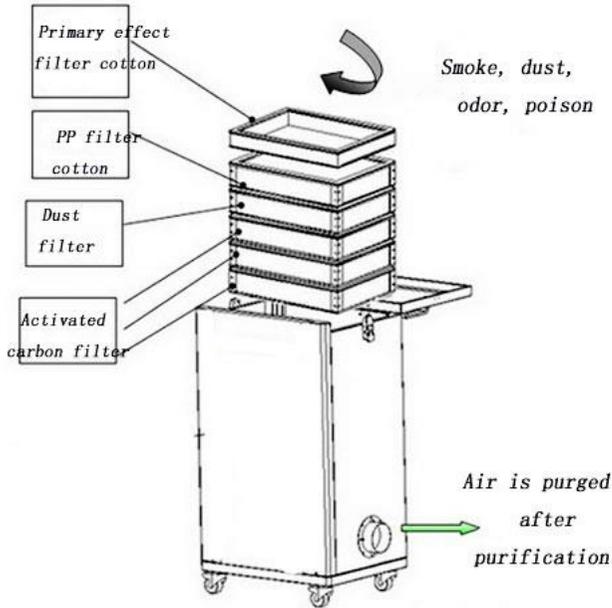
substances, to protect the human body. The primary and secondary effects and main filter elements can be individually replaced to extend the life of the main filter.

★ built-in air circulation filter, to avoid the indoor air / heating emissions to the outside, the real meaning to meet the environmental standards.

★ high-power DC brushless motor, ultra-low noise operation, long working life; eddy current rear metal wind wheel design, high air volume, suction force, safe and reliable.

★ variable single / double-bit design, air volume can be stepless adjustment; smoking tube can change, positioning.

4. Structure



No.	Name	Remarks
1	casters	
2	buckle	
3	top	cover
4	handle	
5	Inlet	ø
6	chassis	
7	speed	knob
8	triple	switch

5. Specification Parameters

Input voltage AC110-220V

Input power 300–330W
Filtration effect 0.3 μm 99.97%
Noise <70 dB
System flow 450 m³ / h
Inlet interface flange Φ75 mm
Dimensions 420 × 320 × 580 mm
Weight 25 Kg

Note:

1. Smoking pipe length can be customized according to customer requirements.
2. Flange at the outlet can be customized according to customer requirements

6. Operating Instructions

1. Open the host top cover, then the correct load into the chassis high efficiency filter, the effect filter, the first effect filter, cover the top cover, buckle on both sides of the buckle.

◆ Note: the top cover should be smoothly loaded into the box; tilt, can not be forced into the press, otherwise it may damage the box and buckle.

2. Install the smoking tube into the flange of the top cover and the other end to connect the hood; turn the tube body and adjust the direction of the smoking port according to the different conditions.

◆ Note: pipe adjustment direction, try to keep the tube gently bending, otherwise it will affect the suction force. Smoking mouth to the working point, the distance as far as possible to keep within 150mm, to ensure that smoke and dust can be completely inhaled.

◆ Note: Please do not use the air in a large place, so as not to reduce or disappear the suction; appropriate to adjust the length of the pipeline, the longer the pipeline, the suction will be smaller; the other hand, the greater the suction.

3. Connect the power cord and check that the power plug is stable and secure.

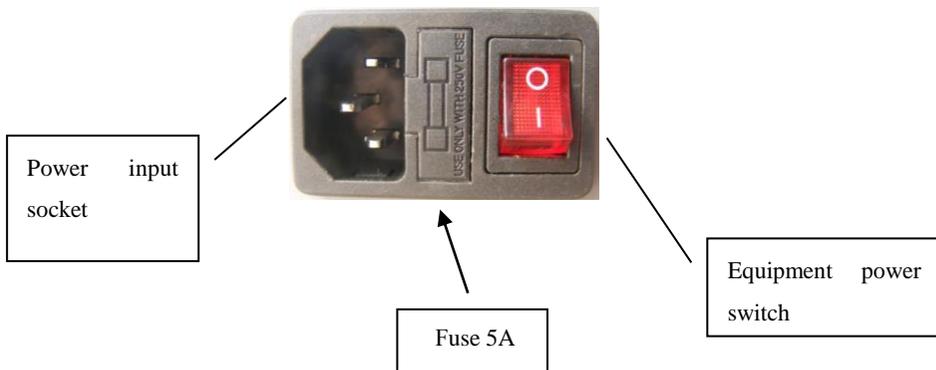
4. Turn on the right side of the power switch, and then according to the actual

need to adjust the air volume on the left side of the air volume knob. (Figure 1 below)

◆ Note: Before starting the machine, adjust the speed switch to the minimum wind speed position.

7. Boot Work

A. Plug the power cord into the triple connector on the back of the unit and the other end into the power outlet (AC220V 50Hz). Press the red switch, if the red light, the power is on.



B. Turn the knob on the operation panel clockwise, the green indicator light is on and the machine starts to work.

Continue to turn right, then gradually increase the air volume.

★ in the equipment work, the size of the inhalation of the appropriate adjustment to just smoke inhalation, rather than be sure to adjust to the maximum.

The greater the suction, the corresponding increase in noise and power consumption is too large, the filter effect will be reduced.



During the operation of the equipment, it is strictly forbidden to cover the air inlet or outlet with the object. Otherwise, will lead to high-speed operation of the machine temperature, burn the internal motor and circuit control board.

8. Filter system replacement and maintenance

Requirements:

1. The filter should be replaced regularly to ensure that the machine is working in a good condition. Be sure to turn system.
 - ◆ must use the original factory to provide the filter, otherwise resulting in machine failure, the company is not responsible.
2. Smoking arms should be cleaned regularly (usually 2-6 months, depending on the specific working environment).
3. The primary filter element can be changed frequently as needed.
4. When the adsorption force is reduced, check the initial, medium effect filter need to be replaced, if the suction is still small after the clean, then replace the new high efficiency filter.
5. When replacing a new primary filter, indicate the date of replacement.
6. Install and remove the filter, you should hold the border around the two sides, slowly put and take out, can not use the head or head handle inside the filter, so as not to filter deformation or damage, affecting the filter effect.

9. Troubleshooting

◆ Before checking and servicing the equipment, be sure to turn off the power.

1. Phenomenon: the system is still working, but the air volume is weak, greatly reduced suction.

Cause: The air inlet is blocked or the filter cartridge reaches saturation and becomes clogged.

Check: turn off the power, open the top cover, check whether there is a foreign body plugged into the air inlet; and then check the outlet is blocked.

If the inspection, processing no similar, re-boot, if the air volume is small, you need to replace the filter.

2. Phenomenon: the machine immediately after the start automatically shut down, once again open and repeat the above phenomenon.

Reason: the internal air flow barrier, filter resistance is too large, resulting in fan start current is too large, automatic protection shutdown.

Check: turn off the power, open the top cover, check whether there is a foreign body plugged into the air; if the inspection, handling no different, the air volume knob to the minimum, and then re-boot, the knob can be transferred to the appropriate air volume position.

3. Phenomenon: the normal operation of the machine, the alarm sound. (Some models do not have this feature)

Cause: The sensor senses the filter block and sets the upper limit of the upper limit.

Check: On the state, in the control panel to see whether the upper limit time is 0, if 0, adjust it to the normal value. If it is not 0, please turn off the filter.

If the above check and maintenance can not be ruled out after the failure, please contact the manufacturer or dealer.