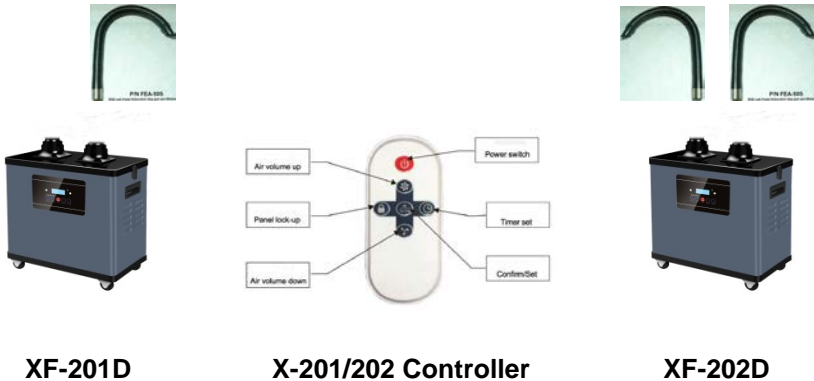


User Manual

Fume Extractor models XF-201D and XF-202D



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1. Product Overview

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


This product is suitable for extraction of soldering fumes, laser marking, carving dust removal, 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 into the rooms.

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 10A/250V	
Warranty card	1		
User Manual	1		
Pre-Filter	5		1 of 5 is installed
Medium filter	1		Installed

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Carbon Filter	1		Installed
Remote Control	1		





3. Please Check Before Using the system:

Before switching on the power for the first time, please ensure that the following conditions are true, in order to guarantee safe operation.

1. The machine is not damaged in transport
2. The power switch is in the "OFF" position;
3. The filter sections are properly placed;
4. The cover is installed securely;
5. The speed-regulating button is set to the "OFF" position;

4. Symbols


This manual utilizes certain symbols throughout which represent the following:

	ATTENTION - CAUTION
	FIRE HAZARD
	ELECTRICAL HAZARD
	INJURY HAZARD

5. Safety Precautions



Before use, please read and follow the safety precautions

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below to prevent fire and personal injury.



This product is prohibited to be used in a high temperature environment (above 80 degrees) or in a flammable, explosive, or greasy environment.



The 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.

Disassembly of the product for inspection or maintenance must be performed by qualified personnel.

6. Unit Components



7. Technical Specifications

Model: Fume Extractor	
Air Inlet Interface	<i>Model XF-202D: Two FEA-50S Φ50mm ESD Safe Arms Model XF-201D: One FEA-50S Φ50mm ESD Safe Arm</i>
Input Voltage	AC220V
Maximum Power	200W
Filtering Efficiency	0.3 μ m 99.97%
Noise	< 55dB
ESD Safe Arm(s)	FEA-50S, ESD Safe, 50mm OD, 750mm long fume extraction stay-put arm with XF-NS nozzle XF-201D – one arm, XF-202D—two arms
Suction Flow	2 x 150m ³ /h
Dimensions of Main Unit	L425xW250xH410mm
Weight	14.0kg

8. Installation instructions


8.1 Filter Set Installation

Open the top cover and correctly install the main filter, middle filter and the pre-filter.

Close the top cover and close the two latches (one on each side).

8.2 Extraction Arm Installation

1. Remove the arm from the package, and attach it to the duct flange on the cover of the machine.

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2. Turn the tube to aim the collecting hood in desired direction. Adjust the arm inlet distance based on the application.



When adjusting the direction of the arm, try to maintain a wide bend radius of the arm to avoid reduction of the arm diameter. The suction inlet shall directly face the working point. Keep the distance around 150mm.




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

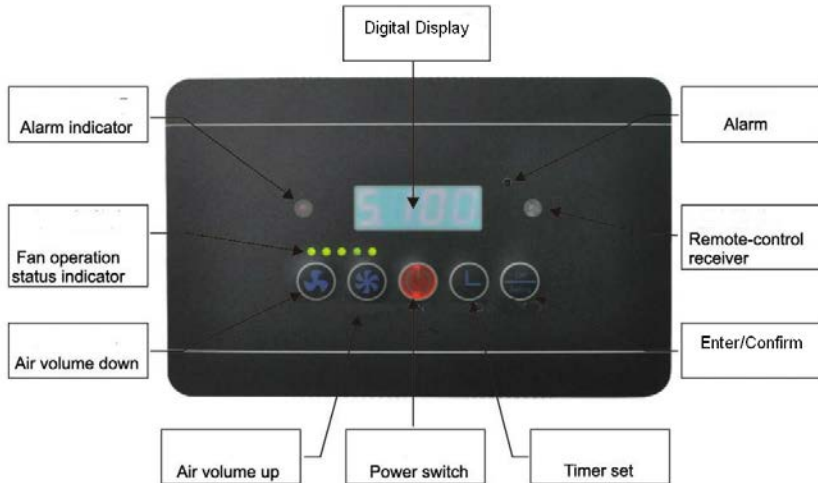
8.3 Operating Instructions

Turn on the power switch




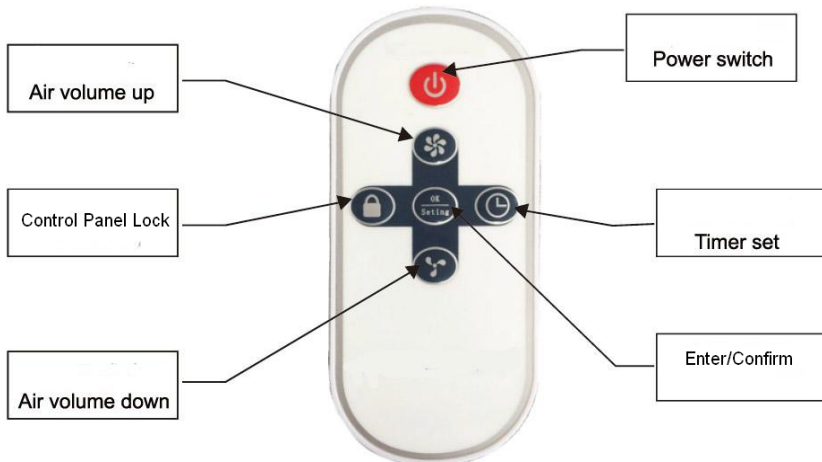
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The air flow should be set according to the actual demand. It should not be set too high or too low. Excessive air flow increases the power consumption as well as the noise level.



Control Panel

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Remote Control


8.4 Operator Interface

Power Switch

Pressing the power switch on the remote control or on the unit control panel starts the unit, and the orange light on the control panel turns ON. Pressing the power switch on the remote controller or on the unit control panel for the second time turns OFF the extractor and the orange indicator light on the control panel.



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

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Air Volume Up Button

Press this button when the machine is running. The number on digital display increases in multiples of 10. The maximum number is 100, which means that the machine is running at the full speed.

Air Volume Down Button

Press this button when the machine is running. The number on digital display decreases in multiples of 10.

Timer Button

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

Enter / Confirm Button

If the machine is in alarm status and the buzzer sounds, press the Confirm/Set button to turn OFF the alarm. If the machine is not in alarm status, press the Enter/Confirm button to check the total working hours of the unit to decide if there is time to change the filters.



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Panel Lock

Press this button on the remote when the machine is working to lock all function keys on the unit control panel. Press again or reboot the machine to unlock.

9. Troubleshooting



Make sure that the power is switched off and the power cord is unplugged from the main supply before inspecting or repairing the extractor!

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

Cause:

- Air Inlet is blocked.
- The filter became saturated and blocked and gives an alarm.

Solution: Turn off the power and open the top cover.
Check if there is any foreign object blocking the air inlet. Then check if the air vent is blocked. Remove the filters. If the suction power of the empty unit is normal, it means the filter needs to be replaced.

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



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

Solution: Turn off the power and open the top cover.
Check if any foreign object blocks the air inlet.
Turn the speed-adjusting button to the lowest level and restart the machine. The machine should function normally.

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

Cause: The fuse is bad.

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

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Operation steps to replace the fuse:



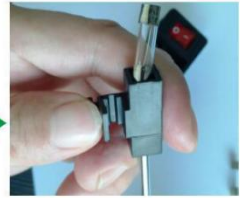
1. Turn off the power and pry up the fuse groove with a screwdriver;



Burnt-out fuse

2.

spare fuse



3. Remove the damaged fuse with a screwdriver



4. Prepare the spare fuse;



5. Install it



6. Finished

If the problem remains after this maintenance is performed, please contact customer service.

10. Filter Usage & Maintenance

XF-201-F Rev1



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

Air Flow Direction

1. XF-200 PF Pre-filter



Where to install: Place the Pre-filter on top of the Middle Filter. The front side (rough side) needs to face upwards (air inlet direction). When the accumulated dust on the Pre-filter is over 70% and cannot be cleaned any more, please replace the Pre-filter with a new one.



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2. XF200HP Middle Filter

Air Flow Direction



Where to install: With the handle side facing up, put the Middle Filter inside the Main Filter. The middle filter should be cleaned when the accumulated dust on the this Filter affects the suction power. When it cannot be cleaned any more, please replace the Middle Filter with a new one.

3. XF-C Main Carbon Filter

Air Flow Direction



Where to install: With the handle side facing up, place the Main Filter at the bottom inside the unit. When it cannot effectively eliminate the smell of the smoke, please replace it with a new one.



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11. Important Considerations



The power source for this extractor must be the same as specified on the unit's label.



It is strictly prohibited to use this machine with excessive high or low voltage. If the 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 temperature range of the gas and the dust which is absorbed into the air inlet should be within the range of room temperature to a maximum of 60 °C.



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



Pre- filter must be properly installed before machine use. The pre-filter is considered a disposable consumable item and should be replaced once it becomes clogged. (DO NOT WASH AND REUSE dirty pre-filters). Replace the pre-filter with an original part regularly. Never use the machine without the pre-filter or with a poorly performing pre-filter.



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It is strictly prohibited to use this machine without filters, because the fumes or the dust particles entering into the machine directly will cause damage to the air blower and the control system. Any fault resulting from improper use of the machine voids the warranty.



If your machine filters become clogged, the suction force is lowered. It is not permitted to use this machine by operating it without the filters. Replace the filters only with the ones designed for this unit.



Never open the machine for maintenance by yourself. The warranty sticker on the machine must not be removed to maintain the warranty.

The warranty will not cover any losses or damage if the unit will be used not as described in this Manual.



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