

BAOSHISHAN BSS-130

BAOSHISHAN Solder Fume Extractor BSS-130 User Manual

Model: BSS-130 | Brand: BAOSHISHAN

1. SAFETY INFORMATION

Please read all safety instructions carefully before operating the BAOSHISHAN Solder Fume Extractor. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Ensure the power supply voltage matches the specifications of the unit (110V).
- Do not operate the unit in wet conditions or near flammable liquids or gases.
- Keep children and unauthorized personnel away from the operating area.
- Always unplug the unit before performing any maintenance, cleaning, or filter replacement.
- Do not block the air inlet or outlet during operation.
- Dispose of used filters according to local environmental regulations.

2. PRODUCT OVERVIEW

The BAOSHISHAN BSS-130 Solder Fume Extractor is designed to effectively absorb harmful fumes and particles generated during soldering, welding, and other DIY work. It features a powerful 130W motor, a 3-stage filtration system, and a flexible arm for precise positioning.

Included Components:

- Fume Extractor Unit (1)
- Pre-filters (4)
- Strong Suction Hose (1)
- Power Cord (1)
- Power Adapter (1)
- Product Manual (1)

INDUSTRIAL



MOTOR

SUCTION UPGRADE, MORE POWERFUL

• FROM 80W TO **130W** • FROM 180M3/H TO **250M3/H**



Figure 2.1: BAOSHISHAN BSS-130 Solder Fume Extractor unit with flexible arm and covers.

3. SETUP INSTRUCTIONS

1. **Unpack the Unit:** Carefully remove all components from the packaging. Inspect for any damage.
2. **Install Filters:**
Open the filter compartment. Insert the 3-stage filters in the correct order: Pre-filter, Middle filter, and Main filter.

Ensure they are seated properly to prevent air leakage.

SMALL SIZE, MORE WORK SPACE

The floor area of our fume extractor is similar to that of A4 paper.

RANGE
HOOD AREA

=
SIMILAR

A4
PAPER SIZE



• Compared with the traditional one, it is smaller and can leave more work space.

The image shows a white, rectangular fume extractor unit with a black top and four black casters. A black suction hose is attached to the top. To the left of the unit is a white A4 paper. The background is a dark blue gradient. Text overlays compare the unit's footprint to an A4 paper.

Figure 3.1: Illustration of the 3-stage filter system.

3. Attach Flexible Arm and Covers:

Connect the strong suction hose (flexible arm) to the top of the fume extractor unit. Choose either the black (4.7"x8.7") or transparent (15"x10") aerodynamic diamond cover and attach it to the end of the flexible arm. The transparent cover offers a larger smoking area.

Universal tube, 360 ° rotation

Tube can be stretched and deformed at will. It will stay mid air without support. You can bend the tube to just about any position for your projects.



Figure 3.2: Flexible arm with interchangeable diamond covers.

4. **Position the Unit:** The compact size (265x265x475mm) allows for placement on or under a workbench. The unit is equipped with universal wheels with buckles for easy movement and stable positioning.
5. **Connect Power:** Plug the power adapter into the unit and then into a standard 110V AC outlet.

Setup Video:

Your browser does not support the video tag.

Video 3.1: This video demonstrates the assembly and filter installation process for the Solder Fume Extractor.

4. OPERATING INSTRUCTIONS

1. **Power On:** Press the power button on the front of the unit to turn it on.
2. **Adjust Suction Speed:** The unit features 3-level speed regulation. Use the control knob or buttons (depending on model variant) to adjust the suction power according to the amount of smoke generated. The noise level ranges from 45 dB (lowest) to 55 dB (highest).

3. **Position the Flexible Arm:** Adjust the 1.2m flexible arm to position the diamond cover directly over the work area. The arm can rotate 360 degrees and maintain its position without support, ensuring optimal fume capture.
4. **Begin Work:** Proceed with your soldering or welding tasks while the fume extractor effectively removes harmful smoke.
5. **Power Off:** After use, press the power button to turn off the unit and unplug it from the power outlet.

1.Pre-filter

Filtration:PM50

Replacement cycle:15-60 days

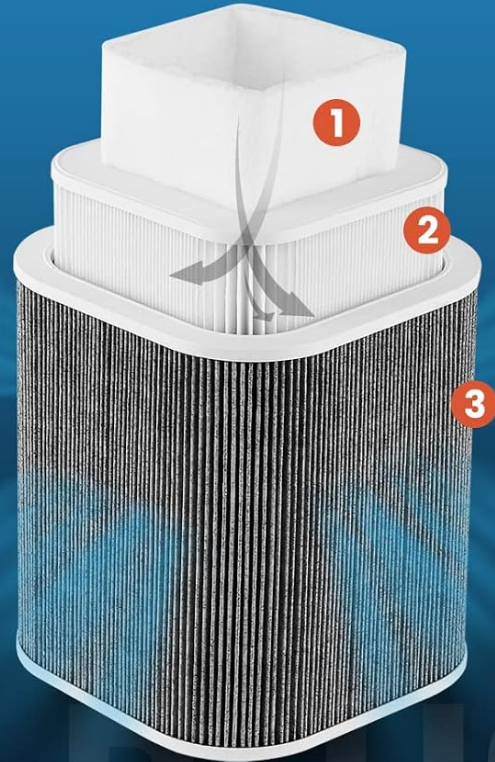
2.Middle filter

Filtration:PM0.5

Replacement cycle:4-7 months

3.Main filter

Adsorption of harmful gases
replacement cycle:6-12 months



Expansion area of new filter :
 2.1m^2

Expansion area of old filter :
 1.3m^2

FILTER PLUS

Figure 4.1: Fume extractor actively removing smoke during a soldering operation.

Aerodynamic diamond cover

15''X10'' LARGE SMOKING AREA



The black cover is
4.7''X8.7''



The transparent cover is
15''X10''

It can rotate 360° freely according to the size of soldered circuit board. Smoking area is 3 times as large as A4 paper.

Figure 4.2: Noise level comparison, highlighting the quiet operation of the unit.

Operation Video:

Your browser does not support the video tag.

Video 4.1: This video demonstrates the fume extractor in action, showing its effectiveness in absorbing smoke.

5. MAINTENANCE

Regular maintenance, especially filter replacement, is crucial for the optimal performance and longevity of your fume extractor.

Filter Replacement:

The BSS-130 uses a 3-stage filtration system. Each filter has a recommended replacement cycle:

- **Pre-filter (PM50):** Replace every 15-60 days, depending on usage.

- **Middle filter (PM0.5):** Replace every 4-7 months.
- **Main filter (Harmful Gases):** Replace every 6-12 months.

To replace filters:

1. Ensure the unit is powered off and unplugged.
2. Open the filter compartment by unlatching the metal clips.
3. Carefully remove the old filters. It is recommended to wear gloves and a mask when handling used filters.
4. Insert new filters, ensuring they are correctly oriented and sealed. The highly sealed structure with metal latches ensures no fumes bypass the filters.
5. Close and secure the filter compartment.

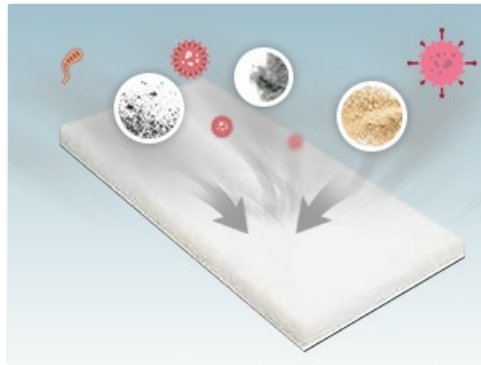


Figure 5.1: Pre-filter function.



Figure 5.2: Middle filter function.



Figure 5.3: Main filter function.

Cleaning the Unit:

Wipe the exterior of the unit with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure no liquids enter the unit.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on	No power supply; Power cord not connected; Unit switch off.	Check power outlet; Ensure power cord is securely connected; Turn on the power switch.
Low suction power	Filters are clogged; Flexible arm not positioned correctly; Air inlet/outlet blocked.	Replace clogged filters; Adjust flexible arm closer to the source; Clear any obstructions.
Unusual noise during operation	Loose components; Foreign object in fan; Unit not on a stable surface.	Check for loose parts; Power off and inspect for obstructions (if safe); Place unit on a flat, stable surface.
Fumes escaping	Filter compartment not sealed; Filters incorrectly installed; Suction arm too far from source.	Ensure filter compartment is securely latched; Reinstall filters correctly; Reposition suction arm.

7. SPECIFICATIONS

Model Number	BSS-130
Brand	BAOSHISHAN
Power (Wattage)	130W
Voltage	110V AC
Max Suction Volume	250 m³/h (147 CFM)
Filtration Stages	3-stage (Pre-filter PM50, Middle filter PM0.5, Main filter for harmful gases)
Filter Expansion Area	2.1 m²
Noise Level	45-55 dB
Dimensions (Unit)	265 x 265 x 475 mm (approx. 10.4 x 10.4 x 18.7 inches)
Item Weight	33 pounds
Material	Metal
Flexible Arm Length	1.2 meters

8. WARRANTY AND SUPPORT

BAOSHISHAN products are manufactured to high-quality standards. For warranty information, technical support, or to purchase replacement parts and filters, please refer to the contact information provided with your purchase documentation or visit the official BAOSHISHAN website.

Always ensure you are using genuine BAOSHISHAN replacement filters to maintain the performance and warranty of

your unit.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question