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> YOOPAI Fan Fume Extraction Kit User Manual

YOOPAI EX-Pipe

YOOPAI Fan Fume Extraction Kit

USER MANUAL - MODEL: EX-PIPE

1. INTRODUCTION AND PRODUCT OVERVIEW

The YOOPAI Fan Fume Extraction Kit is designed to efficiently remove smoke, odors, and dust from 3D printer enclosures and similar environments. This kit helps maintain a cleaner and healthier workspace by providing effective ventilation, ensuring a more enjoyable and safer experience during your 3D printing or laser engraving processes.

Key features include a low-noise exhaust fan, a retractable hose for space-saving storage, and easy installation and operation via a USB power switch.



Image: The complete YOOPAI Fan Fume Extraction Kit, showing the exhaust fan, retractable hose, and a metal clamp.

2. WHAT'S IN THE BOX

Please verify that all components listed below are present in your package:

- Exhaust Fan Unit
- Retractable Exhaust Hose
- Mounting Parts (Net cover, Screws, Flange, Clamp)



Image: A detailed breakdown of the kit's components, including the net cover, screws, fan, flange, clamp, and exhaust hose, each numbered for easy identification.

3. SPECIFICATIONS

Feature	Specification
Model Number	EX-Pipe
Manufacturer	YOOPAI
Material	Metal + Plastic
Color	Black
Connectivity Technology	USB

Exhaust Fan Speed	4000 RPM
Hose Diameter	70mm
Max Hose Extension Length	2 meters (approx. 6.5 feet)
Package Dimensions	8.35 x 5.79 x 4.37 inches
Item Weight	1.43 Pounds

4. SETUP AND INSTALLATION

Follow these steps to properly install your fume extraction kit:

- 1. Prepare the Enclosure:** Ensure your 3D printer enclosure has a suitable opening for the exhaust kit. The required hose diameter is 70mm. If your enclosure does not have a pre-existing opening, you may need to create one yourself according to the specified size.
- 2. Assemble the Fan Unit:** Attach the net cover to the fan unit using the provided screws. Then, secure the flange to the fan unit.
- 3. Mount the Fan Unit:** Align the assembled fan unit with the opening on your 3D printer enclosure. Fix it securely in place using the appropriate mounting parts and screws.
- 4. Connect the Exhaust Hose:** Attach one end of the retractable exhaust hose to the flange of the mounted fan unit. Use the metal clamp to secure the hose firmly to prevent air leaks.
- 5. Position the Hose:** Extend the hose to the desired length, up to 2 meters, and direct the other end to an area where fumes can be safely exhausted, such as out a window or into a ventilation system. The retractable design allows for flexible positioning and space-saving storage when not in use.
- 6. Connect Power:** Plug the USB power cable of the fan unit into a compatible USB power source (e.g., a laptop, smartphone charger, or USB wall adapter).

Exhaust pipe diameter: 70mm

Scalable extension up to 2 meters



Image: An illustration detailing the 70mm diameter of the exhaust pipe and demonstrating the retractable nature of the hose, which can extend up to 2 meters.

Long Distance Emission, More User-friendly

Premium telescopic hose, can be used for long-distance ventilation and smoke exhaust, convenient storage, and space saving



Image: The fume extraction kit installed on a 3D printer enclosure, demonstrating the extended hose for long-distance fume emission.

Easy to DIY Your 3D Printer Enclosure



Image: A conceptual illustration showing the fume extraction kit integrated with a 3D printer enclosure, with blue lines indicating airflow and efficient removal of airborne particles.

5. OPERATING INSTRUCTIONS

Operating the YOOPAI Fan Fume Extraction Kit is straightforward:

- **Power On/Off:** The fan is controlled by an inline USB power switch. Simply press the button on the switch to turn the fan on or off.
- **Ventilation:** Once powered on, the exhaust fan will begin to draw air from inside the enclosure, effectively removing smoke, odors, and dust.
- **Hose Management:** Adjust the length of the retractable hose as needed for optimal ventilation and to direct exhaust away from your workspace. When not in use, the hose can be retracted for compact storage.

Low Noise Exhaust Fan Switch Control, Easy to operate

Pure copper brushless motor exhaust fan, smooth and quiet operation, with switch button, easy to operate



Broken fan?
Good after-sales
replacement service!

Image: The exhaust fan unit with its integrated USB power cable and inline switch, highlighting its low-noise operation and ease of control.

Eliminating Odors and Improving Air Quality

Promote air flow inside the enclosure, facilitate odor emission, and maintain fresh indoor air



Image: A conceptual representation of the fume extraction kit's function, showing how it promotes air flow inside the enclosure to eliminate odors and improve air quality.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your fume extraction kit:

- **Fan Cleaning:** Periodically inspect the fan blades and protective net cover for dust and debris buildup. Disconnect power before cleaning. Use a soft brush or compressed air to gently remove any accumulated dust.
- **Hose Cleaning:** If the hose accumulates dust or residue, it can be wiped clean with a damp cloth. Ensure the hose is dry before re-extending or storing.
- **Connection Check:** Occasionally check all connections, including the hose clamp and mounting screws, to ensure they remain secure.

7. TROUBLESHOOTING

If you encounter any issues with your fume extraction kit, refer to the following common problems and solutions:

- **Fan Not Turning On:**

- Ensure the USB cable is securely plugged into both the fan unit and a working USB power source.
- Check the inline power switch to ensure it is in the "On" position.
- Try plugging the USB cable into a different USB port or power adapter to rule out a faulty power source.

- **Poor Fume Extraction:**

- Verify that the hose is fully extended and directed to an appropriate exhaust area.
- Check for any obstructions in the hose or fan intake/exhaust.
- Ensure all connections (fan to enclosure, hose to fan) are sealed tightly with the clamp to prevent air leaks.
- Confirm the opening in your enclosure is correctly sized (70mm diameter) and not restricting airflow.

- **Excessive Noise:**

- While designed for low noise, ensure the fan unit is securely mounted and not vibrating against the enclosure or other surfaces.
- Check for any loose components or debris caught in the fan blades.

8. WARRANTY AND SUPPORT

YOOPAI is committed to providing quality products and customer satisfaction. If you experience any issues with your fume extraction kit that cannot be resolved using the troubleshooting guide, or if you require replacement parts, please contact YOOPAI customer support for assistance.

For support, refer to the contact information provided with your purchase or visit the official YOOPAI store page on Amazon: [YOOPAI Store](#).

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Model: EX-Pipe | ASIN: B0CQ48QJSV