

NLVYPRO

MN01 / MN01W Fume Extractor User Manual



****This picture is for reference only****

Thank you for purchasing the NLVYPRO Fume Extractor.

Please read this manual carefully before use.

NLVYPRO MN01 / MN01W Fume Extractor

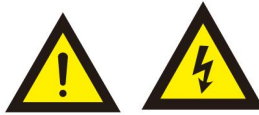
Professional Smoke & Odor Filtration System

Applications:

- ✓ Soldering
- ✓ Laser Engraving
- ✓ Electronics Repair
- ✓ Workshop Applications

Safety Instructions

Read before operation.



Use only with the correct power supply.

- 1.Do not operate without filters installed.
- 2.Disconnect power before maintenance.
- 3.Do not open or repair the machine yourself.
- 4.Keep away from flammable materials.
- 5.Do not touch internal rotating parts.

Failure to follow safety instructions may cause equipment damage or personal injury.

Product Overview

Product Introduction

The NLVYPRO MN01 series fume extractor is designed to capture and filter smoke, dust, and odors generated during various working processes.

Recommended Applications

- 1.PCB soldering
- 2.Electronics repair
- 3.Desktop laser engraving
- 4.Other smoke-generating applications

5.Filtration Process

Smoke Source



Extraction Hose



Pre-filter



HEPA Filter



Activated Carbon Filter



Clean Air

MN01W

MN01W supports an optional outdoor exhaust system for applications requiring additional odor control.

Package Contents & Safety Instructions

Name of Parts	Q'ty	Specification	Remarks
Main Unit	1set		
Power Cord	1 pcs	1.5M 10A/110V	
Smoke Extraction Hose	1 pcs	Φ55mm*1.2M	
Smoke Extraction Hood	2pcs		
Warranty card	1pcs		
Operation Manual	1pcs		
Optional	1pcs	2m hose included &Exhaust flange	MN01W
Optional	2pcs	Hose clamp	MN01W
Pre-filter Cotton	11pcs		One piece is pre-installed in the main unit
HEPA filter	1pcs		Pre-installed in the main unit.
Air activated carbon filter	1pcs		Pre-installed in the main unit.
Remote Control	1pcs		

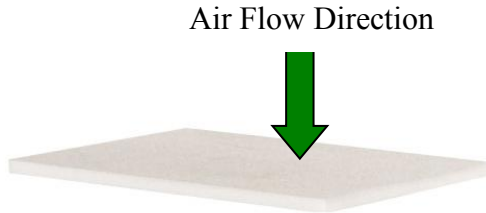
Technical Specifications

Parameters \ Model	MN01 (single-tube)	MN01W (single-tube)
Hose Diameter	$\Phi 55\text{ mm}$	$\Phi 55\text{ mm}$
Voltage	AC110V	AC110V
Power	105W	105W
Air Velocity	19 m/s	19 m/s
Control	LED Display + Remote	LED Display + Remote
Particle Filtration	0.3 μm 99%	0.3 μm 99%
Noise	<60 db	<60 db
Hose Length	1.2M	1.2M
Air Flow	255 m ³ /h	255 m ³ /h
Dimensions of Main Unit	L275×W215×H310mm	L275×W215×H310mm
Weight	8.5kg	9kg

Filters and Maintenance

This product uses replaceable filter consumables. When the filters have been used for a certain period of time, they need to be cleaned or replaced to maintain the machine's purification performance.

1.Pre-filter



Usage:

Place the Pre-filter on top of the Middle Filter. The rough side should face upward (toward the air inlet).

When dust accumulation on the Pre-filter exceeds 70% and it can no longer be effectively cleaned, please replace the Pre-filter with a new one.

2.Air HEPA filter



Usage:

Install the Middle Filter into the Main Filter with the handle side facing upward.

When dust accumulation on the Middle Filter significantly reduces the suction performance and it can no longer be effectively cleaned, please replace the Middle Filter with a new one.

3. Air activated carbon filter



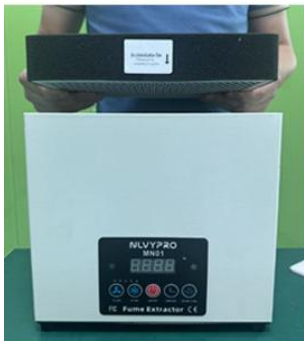
Usage:

Install the Main Filter at the bottom of the machine with the handle side facing upward.

When the filter can no longer effectively remove odors from the smoke, please replace the Main Filter with a new one.

Filter Installation & Replacement

Turn off the machine and disconnect the power supply before installation. Open the top cover, install the filters in order, and close the cover securely.



1



2



3



4

Replace Filters When:

- ✓ Airflow decreases
- ✓ Filter becomes heavily contaminated
- ✓ Odor removal performance decreases
- ✓ Filter alarm appears

Hose Installation Instructions

Install the duct onto the flange on the top cover as shown in the pictures below.



Rotate the duct and position the nozzle near the smoke source. Adjust the distance between the nozzle and the smoke source according to the working conditions.



◆ Attention: When adjusting the duct direction, keep the duct straight or bend it gently. Excessive bending may reduce suction performance. Position the nozzle toward the working area and keep the distance within 150 mm.

◆ Attention: Do not use the machine in areas with strong airflow, as this may reduce suction performance.

MN01W Outdoor Exhaust

For applications with stronger odors, connect the optional exhaust hose:

Extractor



Exhaust Hose



Outdoor Vent

MN01W Outdoor Exhaust

For applications with stronger odors, connect the optional exhaust hose:

1 Step 1
Extractor



Compact and powerful fume extractor.

2 Step 2
Exhaust Hose



Connect the optional exhaust hose to the side outlet.

3 Step 3
Outdoor Vent



Route the hose to an open window to vent fumes outdoors.



Effective Odor Removal



Cleaner Working Environment



Flexible Setup Options

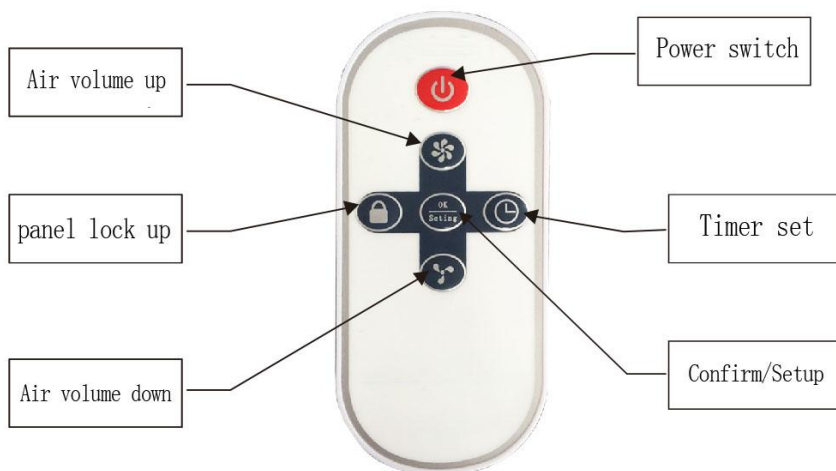
MN01 / MN01W Operation Instructions

Operation Instructions for MN01 / MN01W

Illustration of Control Panel:



Illustration of Remote Control:



Button Functions Power Button

Press to start or stop the machine. The orange indicator light turns on while the machine is running.

Note: For long-term shutdown, turn off the main power switch and unplug the power cord.

Increase Airflow (+)

Press to increase the airflow level by 10. The maximum level is 100.

Decrease Airflow (-)

Press to decrease the airflow level by 10.

Timer Button

Press Timer, then use + or - to set the shutdown time from 1 to 300 hours. Press Timer again to confirm.

Example: "H005" means the machine will shut down after 5 hours.

Set Button

Press to mute the alarm. When there is no alarm, press it to view the total operating hours.

Alarm Adjustment



If suction is normal but the alarm continues to flash and sound:

1. Press and hold Set for 5 seconds until a value appears.
2. Press + to increase the value until the alarm indicator stops flashing.
3. Press Set to save the setting.

Control Panel Lock

While the machine is running, press this button to lock all control panel buttons. Press it again or restart the machine to unlock the control panel.

Power Indicator Does Not Light Up

If the power indicator does not light up after turning on the main power switch, the fuse may be blown and need replacement.

Fuse Replacement Steps:

Operation steps for replacing fuses:



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



Spare fuse

2.

Burnt out fuse



3. Remove the damaged fuse with a screwdriver



4. Prepare the spare fuse



5. Install fuse



6. Finished

Troubleshooting & Maintenance

Troubleshooting

Problem	Solution
Weak airflow	Check hose and filters
Alarm activated	Check filter condition
No power	Check power supply and fuse
Loud noise	Check filter condition
Auto shutdown	Check blockage

Maintenance Tips

1. Replace filters when necessary.
2. Keep the airflow path clear.
3. Clean the machine surface.
4. Do not operate without filters.

product warranty card

Products information	Product model:	
	Factory number:	
Customers information	Unit name:	
	Address:	
	Contact:	
	Contact number:	
Maintenance records	Fault condition	Maintenance results
Date	Customer signature	Signature of maintenance staff

Important Notes, Warranty & Manufacturer

Important Notes

Use the correct voltage.

Avoid excessive humidity.

Disconnect power before service.

Do not modify the machine.

Warranty

Warranty does not cover:

Improper operation

Missing filters

Unauthorized repair

Incorrect maintenance

Manufacturer

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****Specifications are subject to change without prior notice. ****