

NLVYPRO

烟雾净化过滤器使用说明书

Fume extraction unit instruction manual



****图片仅供参考，请以实物为准****

This picture is just for reference only

感谢您购买烟雾净化过滤器。使用前请仔细阅读本说明书，并妥善保管，以备日后查阅。

Thank you for purchasing the smoke extraction unit. Please read these instructions Carefully before using .

一、产品概述/Product Overview

MN03 烟雾净化器用于收集和过滤焊锡、激光雕刻及轻度切割产生的烟雾和颗粒物。多级过滤系统可捕集颗粒物，并吸附部分气态污染物和异味。实际效果取决于加工材料、污染物及滤芯状态。

本产品不能去除所有污染物，也不能替代必要的通风和个人防护。禁止吸入成分不明、超出滤芯适用范围或易燃易爆的污染物。室内循环使用前，应评估具体工况的适用性。

The MN03 Fume Extractor captures fumes and particles from soldering, laser engraving, and light cutting. Multi-stage filtration captures particles and adsorbs certain gases and odors. Performance depends on the materials, pollutants, and filter condition.

The unit does not remove all pollutants or replace necessary ventilation and personal protection. Do not extract unidentified, incompatible, flammable, or explosive pollutants. Assess suitability before recirculating filtered air indoors.

二、开箱检查/Unpacking Inspection

请仔细检查下列附件是否缺少或损坏，若发现有缺少或损坏，请与 NLVYPRO 能朗客服或经销商联系。

Please carefully check following parts. If there is any missed or damaged items, please contact NLVYPRO customer service department or NLVYPRO dealers.

部件名称 Name of Parts	数 量 Q'ty	规 格 Specification	备注 Remarks
主机 Main unit	1 台 1set	MN03	
电源线 Power Line	1 根 1 piece	1.5M 10A/110V	
吸烟管 Smoke absorbing pipe	1 根 1 piece	Φ65mm*1.2M	
遥控器 remote control	1 个 1 piece		
集烟罩 Extraction hood	1 个 1 piece		
软管 hose	2 根 2 piece	2M (2 meters after extension)	配有四个喉箍 Equipped with four hose clamps
不锈钢金属预过滤网 Stainless Steel Pre-filter Screen	1pcs		安装在主机中 Being installed in the main unit.
初效过滤棉 Primary filtering cotton	6 片 6 pieces		其中一片安装在主机中 One of the six pieces is installed in the main unit.
HEPA 中效过滤芯 HEPA Medium effect filtering core	1 个 1 piece		安装在主机中 Being installed in the main unit.
活性炭过滤芯 Activated carbon filtering	1 个 1 piece		安装在主机中 Being installed in the main unit.

三、使用前检查/Check Before Using

产品初次通电使用前请先检查以下事项，以确保使用安全及可靠性：

Before switching on the power for the first time, please ensure the following points, so as to guarantee the safety in operation.

1. 机器外观是否有损伤

1. Whether appearance is intact;

2. 电源开关是否为关闭状态

2. the power switch is set to OFF position;

3. 机器内部滤芯放置是否平稳

3. Whether filter element is evenly placed;

4. 机体门盖与箱体安装是否牢靠

4. Whether the cover and box body is installed securely;

四、安全概要/Safety Precautions

使用前请了解以下安全预防措施，以避免起火和人身伤害。

Before use, please carefully check the safety precautions as below to prevent fire and personal injury.

1. 本产品禁止在高温（环境温度超过 60℃）、易燃、易爆、有液体、油污的场所使用。

This product is prohibited to be used under high temperature environment (above 60℃), inflammable, explosive or greasy environment.

2. 使用时电源线路必须接地。

Supply wire must be grounded during operation.



3. 机内存在危险电压。非专业人员禁止打开背板进行检查或维修。

Hazardous voltage is present inside the unit. Only qualified service personnel may open the rear panel for inspection or repair.

4. 产品工作时，勿取放滤芯。

Do not pick and place filter elements when products are in operation.

5、不得用手或其它物体接触旋转的叶轮。

Hands or other objects should not touch the rotating impeller.

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一、产品结构及尺寸/Structure and dimensions



二、性能指标/performance index

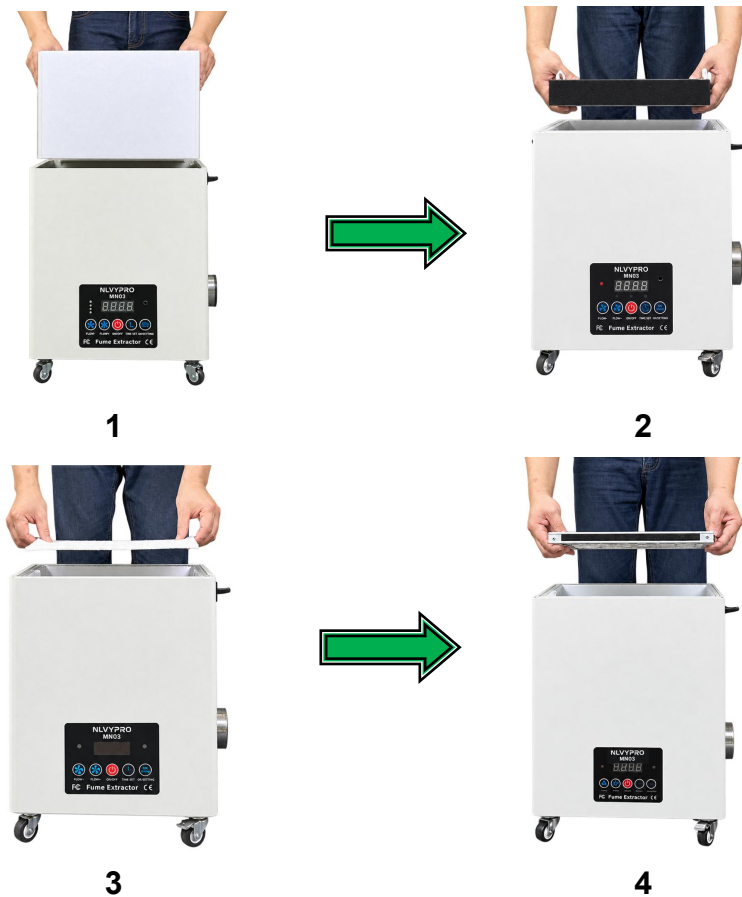
参数 Parameters	型号 Model	MN03
进风接口 Air Inlet Interface		$\Phi 65mm*1$ 法兰 $\Phi 65mm*1$ Flange
输入电压 Input Voltage		110V/220V
最大功率 Maximum Power		350W
过滤效果 Filtering Efficiency		0.3 μm 99.97%
噪音 Noise		<65dB
吸烟管长 Length of Duct		1.2M
系统流量 Systemic Flow		1 $\times$ 509m ³ /h
机身尺寸 Dimensions of Main Unit		L360 $\times$ W300 $\times$ H500mm
重量 Weight		17kg

三、使用说明/Using instructions:

3.1 滤芯安装说明/Filtering core installing instruction

打开主机顶盖，依次向机箱中正确装入活性炭过滤芯、中效过滤芯、初效过滤棉，不锈钢金属预过滤网，盖上顶盖，同时下压扣好两侧的搭扣。（如下图）

Open the top cover, correctly install Activated carbon filtering ,medium-efficient filtering core , Stainless Steel Pre-filter Screen, primary-efficient cotton filtering and sealing joint strip with top cover and press for buckle hasps at the two sides.



3.2 吸烟管安装说明/Duct Installation Instructions

将吸烟管从包装取出后套装入顶盖的法兰上，如图：

Install the ducts on the flange of top cover as shown in the below pictures:



转动管体，将集烟罩对准需要吸入的烟尘产生处并依据使用场合的不同调节好吸烟口距离

Rotate the ducts and adjust the nozzle near to the smoke-producing area. Then adjust the smoke-absorbing distance according to different occasions.



◆注意：烟管调节方向时，尽量保持管身平缓弯曲，否则会影响吸入力。吸烟口要正对工作点，距离尽可能保持在 150mm 以内。

◆注意：请不要在空气流动性大的地方使用，以免吸力降低或消失。

◆ Attention: While adjusting the direction of the duct, the duct body shall be kept flat or bent gently. Otherwise, it will affect the suction power. The nozzle shall be facing the working positions. The distance shall be kept within 150mm.

◆ Attention: The machine shall not be used at places with strong air mobility, which will cause the reduction of the suction power.

3.3 MN03 操作说明

Operation instruction of MN03

1) 接上电源线，并检查电源插头是否稳定，牢固。

1) Plug in and check if the power plug is properly fit into the socket.

2) 打开电源开关，按控制面板上的启停键启动机器，再通过风量增加键或风量减小键调节至所需风量。

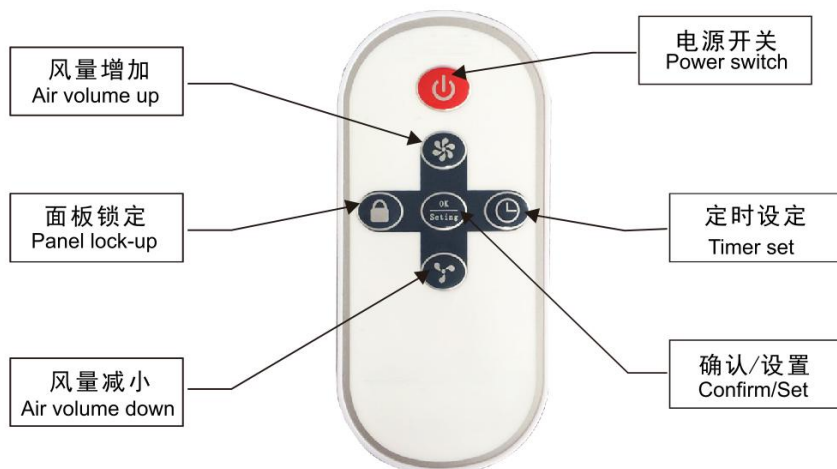
2) Turn on the power switch and press the ON/OFF button on the control panel to start the unit. Use the airflow increase or decrease button to adjust the airflow as needed.

注意：风量应根据实际作业需要调节，确保有效捕集烟雾。风量不足会影响烟雾捕集效果，风量过大则会增加功耗和噪声。

◆ Attention:

Adjust the airflow to ensure effective fume capture for the task. Insufficient airflow may reduce fume capture performance, while excessive airflow increases power consumption and noise.





四、故障处理/ Troubleshooting

◆在检查、维修设备之前，请务必先切断电源！

◆Make sure the power is switched off before inspecting or repairing!

1. 现象：系统仍然工作，但风量微弱，吸入力大幅降低。

原因：进风口堵塞或管内有异物、过滤芯达到饱和失效而形成堵塞报警。

检查：关闭电源，打开顶盖，检查是否有异物堵塞进风口；再检查出风口是否堵塞。若空机吸力正常，则需更换过滤芯。

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

Cause: Air Inlet is blocked or foreign body exists inside the duct. The filter becomes saturated and hence gets blocked and gives an alarm.

Solution: Turn off the power and open the top cover. Check if there is any foreign body blocked in the air inlet. Then check if the air vent is blocked or not. If

the suction power of the empty-loaded machine is normal, it means the filter needs to be replaced.

2. 现象：机器启动后马上自动关机，再次开启并重复以上现象。

原因：内部气流不通，滤芯阻力过大，导致风机启动电流过大，自动保护关机。

检查：关闭电源，打开顶盖，检查是否有异物堵塞进风口；若检查、处理无异样后，将风量调到最小，再重新开机，将风量调到合适的位置即可。

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

Cause: The air flow inside the machine is not smooth. The obstruction of the filter is very strong. As a result, the starting current of the fan becomes very high, hence the machine shuts down automatically for self protection.

Solution: Turn off the power and open the top cover. Check if there is any foreign body blocked in the air inlet. Then turn the speed-adjusting knob to the lowest level and restart the machine. The machine will be back to normal.

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.

3. 打开电源开关，指示灯不亮可能电源旁边的保险丝坏了，需要更换，更换保险丝操作步骤：

3. Turn the power switch on if the, power indicator does not light up, the fuse might be bad and needs to be replaced, the replacement fuse steps:

更换保险丝操作步骤:

Operation steps to replace the fuse:



1. 先关掉电源, 用螺丝刀撬出保险丝槽

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



2. 烧坏的保险丝
Burnt-out fuse

2. 备用的保险丝
spare fuse



3. 拿掉坏的保险丝用螺丝刀把保险丝取出

3. Remove the damaged fuse with a screwdriver



4. 装好备用的保险丝

4. Prepare the spare fuse;



5. 装进保险丝

5. Install it



6. 更换保险丝完毕

6. Finished

若进行以上检查和维护后仍不能排除故障, 请您与厂家或经销商联系。

If the trouble remains after these inspections and maintenance, please contact the manufacturer or dealer.

五. 过滤系统使用方法及维护/Filters and Maintenance

本产品使用可替换型过滤耗材, 当耗材使用到一定程度时需清理或更换, 以保证机器的净化效果。

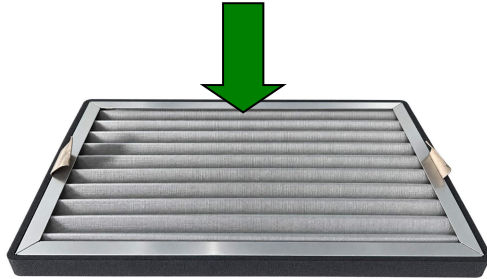
This product uses replaceable filtering consumables. When the consumables have been use to a certain extent, they need to be cleaned or replaced, in order to guarantee the good purifying effect of the machine.

使用 MN03 适配滤芯, 按顺序安装并密封。严禁缺少滤芯或减少过滤层数运行。

Use MN03-compatible filters, installed in the correct order with proper sealing. Never operate with missing filters or fewer filtration stages.

1. 不锈钢金属预过滤网 / Stainless Steel Pre-filter Screen

气流方向/Air Flow Direction

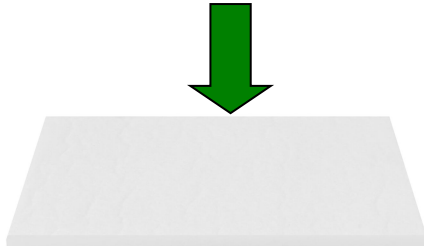


使用方法：金属预过滤网置于初效过滤棉上方，用于拦截较大碎屑。使用前检查安装及堵塞情况；清理前关机并拔掉插头，损坏或无法清理时更换。本设备不具备防火、防爆或灭火功能，严禁吸入火焰、火花、炽热颗粒及燃烧或阴燃物。Place the metal pre-filter screen above the pre-filter pad to catch larger debris. Check installation and blockage before use. Switch off and unplug before cleaning. Replace if damaged or blocked beyond cleaning.

The unit is not fireproof or explosion-proof and cannot extinguish fires. Never extract flames, sparks, hot particles, or burning or smoldering materials.

2. 初效过滤棉/Primary filtering cotton

气流方向/Air Flow Direction

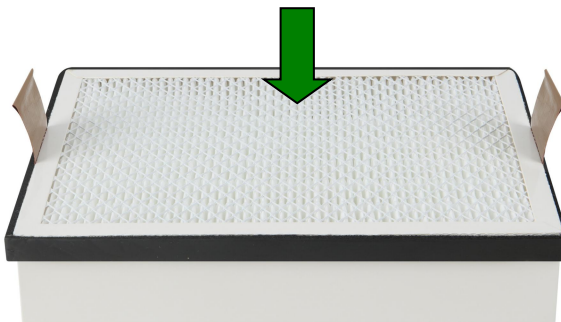


使用方法：放置于中效过滤芯之上；一次性使用，不可清洗；积尘、破损、受潮或风量下降时更换。

Using method: Place the Primary filtering cotton on top of Middle Filter. Disposable; do not clean. Replace when loaded, damaged, damp, or airflow decreases. please replace the Primary filtering cotton with a new one.

3. 中效过滤芯/ Middle Filter

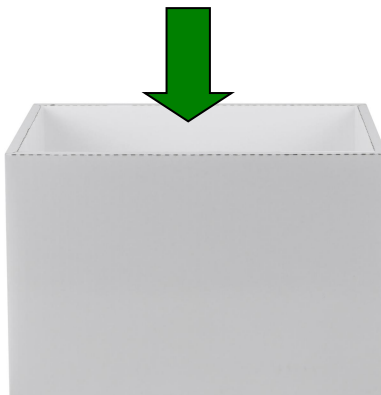
气流方向/Air Flow Direction



使用方法：提手面朝上，放置于活性炭过滤芯上部；不可水洗、吹扫、拍打或刷洗；堵塞、破损、受潮或风量持续下降时更换。Using method: With the handle side facing up, put the Middle Filter on top of activated carbon filtering. Do not wash, blow clean, strike, or brush. Replace if blocked, damaged, damp, or airflow remains reduced, please replace the Middle Filter with a new one.

4. 活性炭过滤芯/Activated carbon filtering

气流方向/Air Flow Direction



使用方法：不可水洗、加热、暴晒或吹扫再生；按使用情况及时更换。

Do not wash or regenerate by heat, sunlight, or air blowing. Replace as required by use, please replace it with a new one.

活性炭滤芯寿命受污染物、使用时间及环境影响，不能仅凭外观或气味判断。除味效果下降、受潮、破损或异常污染时，应停止相关作业并检查更换。

处理有害气体或持续作业时，应按适用的监测结果或经验证的计划更换。无异味不代表无有害气体或滤芯仍有效。不确定适用性时，停用并联系制造商。

Carbon filter life varies with pollutants, operating time, and conditions. Do not judge by appearance or odor alone. Stop the related process and inspect or replace the filter if odor removal declines or it becomes damp, damaged, or unusually contaminated.

For hazardous gases or continuous use, follow appropriate monitoring results or a validated replacement schedule. No odor does not mean no hazardous gases or an effective filter. If suitability is uncertain, stop use and contact the manufacturer.

六、机器使用注意事项/Attentions

1. 机器的电源输入应在规定的额定电压范围内使用（以机身上的功率标识为准），严禁电压过高或过低时使用。发现使用环境电压不稳定时请关闭机器并拔掉设备的电源插头，待电压稳定后再使用。

The power input of this product shall be used with in the specified nominal voltage scope (subject to power identification on the product body) 。It's strictly forbidden for the use with excessive high or low voltage, if the ambient voltage is unstable, please turn off the machine, unplug the power plug and use it again upon power stabilizing

2. 使用机器时，进风口吸入的气体、粉尘的环境温度范围为：常温 — 50 °C，禁止高于或低于此温度范围使用。

While using the machine, the ambient temperature range of the gas and the dust sucked into the air inlet: atmospheric temperature - 50 °C, never use it when the temperature is higher or lower than this temperature scope.

3. 使用机器时，进风口吸入的气体、粉尘的湿度为： 40%–80%，湿度过高会使滤芯很快失效及机器内部电路损坏，禁止湿度高于 80%的环境使用。

When using the machine, the humidity of the gas and the dust sucked into the air inlet should be between 40%-80%;if the humidity is excessively high,the filter element will become invalid rapidly and the internal circuit will be damaged; never use it when the humidity is higher than 80%

4. 当机器配有初效过滤棉时，要正确安装好初效过滤棉后再使用。初效过滤棉属于一次性使用耗材，严禁水洗再用。请您定期更换原厂配置的初效过滤棉。禁止不安装初效过滤棉或使用市场上劣质的初效过滤棉使用机器。（市场上劣质的初效过滤棉及水洗后的初效过滤棉过滤效果差，会使后级的中、高效滤芯很快堵塞、失效，给您造成更大损失！）

When the machine has primary cotton filter , properly install the primary cotton filter before use, primary cotton filter can be classified as disposable consumable and never use it again after washing, please replace the primary cotton filter configured by the original manufacturer, regularly. never use the machine without primary cotton filter or with poor primary cotton filter,(poor or washed primary cotton filter over the market performs poorly and medium and high-efficiency filter element in the subsequent stages will be blocked up or become invalid quickly and cause greater losses)

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5. 严禁在没有放置过滤芯的状态下使用机器，直接吸进机器的油烟或粉尘颗粒物会造成风机及控制系统的损坏。以上状态下使用机器造成的故障需自费维修，会造成您更大的损失。

It's strictly forbidden to use this machine without a filter element, because the cooking fume or the dust particle sucked in the machine directly would cause damage to air blower and control system. Any fault caused by machine use under the aforesaid status shall be serviced at the user's own cost, there for greater losses can be caused

6. 严禁过滤芯、过滤棉严重堵塞后仍继续使用机器，会大大缩短机器的使用寿命，甚至会造成机器损坏。应定期清理及维护机器，定期更换过滤芯。以保证机器在良好的状态下工作。

It's not permitted to continue to use the machine when the filter element or the filter cotton is blocked up. This will greatly shorten the service life of the machine, even damage the machine, please clean and maintain the machine regularly and replace the filter element regularly to ensure the machine's working in good condition

7. 当您的机器过滤芯堵塞吸力变小或除异味过滤芯失效不能去除异味时，严禁减少机器的过滤芯的层数或不放初效过滤棉、过滤芯使用. 请您更换原厂配置的过滤芯及初效过滤棉。

In case your machine filter element is blocked up, the suction force is lowered or the filter element for foreign odor removal fails for foreign odor removal, it's not permitted to use this machine by reducing the machine's number of layers of the filter elements or without putting in primary filter element or cotton. Please replace it with the filter element and primary filter cotton configured by the original manufacturer.

8. 严禁私自打开机器内部进行维修。机身上的保修贴纸是你享受售后服务的唯一凭证，请不要撕毁或损坏机身的保修贴纸。

Never open the machine for maintenance by yourself, the warranty sticker on the machine is the only voucher for you to enjoy after-sales service, so please don't tear it up or damage it

由以上原因造成的损失，本公司概不负责。不属保修范围。

We will not undertake any of the losses above. Such losses are not included in the warranty.

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

电控系统质保一年（耗材除外）/One year warranty for electronic control system (excluding consumables).

东莞市能朗环保科技有限公司

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****说明书内容如有变更，恕不另行通知****

****Specification contents are subject to change without prior notice. ****