

家庭氧吧

Household Oxygen Bar

使用说明书 Operating Instructions



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本说明书所列机型和色彩配置均以实际收到机型为最后基准，恕不另行通知。
惠州市美亚飞电器有限公司拥有最终解释权

The specification, color and configuration of models listed in this manual are subjected to the real models showed on market without notice. Hui Zhou Miafi Electrical Appliances Co., Ltd reserved the right of final interpretation.

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英文版本仅供参考，一切以中文版本为准
The English version is for reference only, all the
Chinese version shall prevail.

Preface

Dear users,

The instructions introduce the function characteristics of this product, operation steps, notes and maintenance in detail.

In order to ensure that you can use the product more effectively, please read this manual carefully before use and keep it safe after reading.

Without permission, cannot take apart products in person, otherwise, you will lose the warranty.

Be careful, the company reserves the rights to update products and technology. Some illustrations in the specification you see in the product may be different, received in-kind prevail.

Thank you for purchasing our products, wish you use happily.

Without reading this manual, please don't operate the product. If you have any questions on the understanding of this manual, please contact the seller or after-sales technical personnel, don't take action to operate the product, or it may result in serious personal injury or property damage.



Catalogue

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Safety Precautions

- ▶ To prevent blackouts or household oxygen bar may break down, someone who are urgently needed oxygen must be configured with a much-needed backup support to other devices (such as: oxygen cylinder, oxygen bags, etc.), it is not considered for the life of the equipment or the use of the continuation of life.
- ▶ Oxygen may cause combustion, no smoking when operating the oxygen bar. When in a heat environment, sparks and open flames and other factors, do not use household oxygen bar.
- ▶ There is high-voltage in household oxygen bar, please do not disassemble.
- ▶ All parts of the product, after rigorous testing, safety and reliability, so do not use this product with other accessories made by other manufactures otherwise it will affect the performance.
- ▶ Moving household oxygen bar by the cord or hose is prohibited.
- ▶ This product with rated voltage of 220V, please use secure socket qualified.
- ▶ To prevent accidents, do not let children operate the oxygen bar. When breathing oxygen, not let the hose around the neck. When the elderly using the oxygen, a guardian must beside him.
- ▶ Household oxygen bar works as a direct separation of oxygen from air, which is used for breathing, so do not use in smoke, toxic and harmful gases environments.

Cautions:

- ▶ Before the first use, please roll household oxygen bar, then cut off the bottom of the transport fixed ties, see "Cut ties description".
- ▶ When this product is working, there will be intermittent exhaust sound, which is a normal phenomenon.
- ▶ When add water to wet cup, do not exceed the maximum water level. When handling household oxygen bar, need to pour out the water in wet cup, so as not to cause backflow.
- ▶ Please confirm whether the oxygen outlet, the air intake vents behind oxygen bar is blocked, in order to avoid downtime caused by high temperature.
- ▶ This product only applies to household oxygenating, cannot be used as medical treatment.



Warning

Product Features

Product Introduction

This product uses the air as raw material, AC220V power as power source, uses a good original zeolite by French and the air compressor 5000 hours lifespan, Through advanced pressure swing adsorption separation in room temperature, extraction of high-purity oxygen by air, stable oxygen, safe and reliable, this method is called pure physical methods. (Refers to working principle on page 12) .

Functional characteristics

Intelligent Control:

IMD beautiful large color panel, easy to operate, large color LED screen, clear display, timer operation function and with infrared remote control, let it be easier and more convenient.

Anion:

This machine is equipped with ion function, and a "negative" button; the negative ion system can work alone, you can also work simultaneously with the oxygen system; Anion generator Air vents located in the machine, the exhaust vents discharged into the surrounding space of the machine when working.

Multi-layer filter, self-easy to replace:

The oxygen system of this product has coarse dust filter, fine dust filter and three bacterial filtration treatment for the input air respectively, finally, the oxygen is fresh and clean after filtering, and the two front layers filter can be replaced without disassembling, the user operate it comfortably.

Using environment

Temperature: 5-35°C Relative humidity: ≤80%

Range of the atmospheric pressure: 0.086 MPa -0.106 MPa

When the temperature is higher or lower, do not use oxygen bar.

Product Features

Technical parameters

Product name: household Oxygen Bar
Model: MAF015A
Scope of application: use as household oxygenating, not use for medical treatment
PSA methods: PSA
The input power: 115W
Rated voltage: AC 220 v, 50 Hz
Current rating: 0.5 A
Air output: 1~6L/min
Output pressure: <100kpa
Negative oxygen ion: ≥ 6 million particles/cm³
Noise: about 48dB
Product size: 302 * 168 * 325 mm
Net weight: 5.2kg
Electrical categories: II
Execution standard: GB4706.1-2005
Q/MAF 01-2017

Functional difference showed in the following table

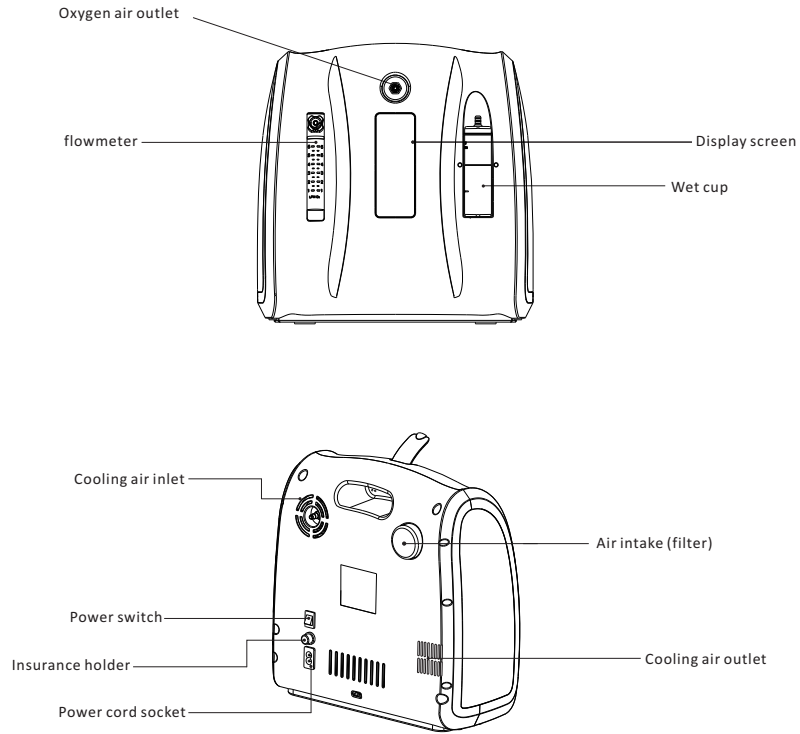
Model	MAF015A	MAF015AW	MAF015BW	MAF015BJ
Oxygen concentration	30%~90%	30%~90%	30%~90%	30%~90%
Remote control function	Yes	Yes	Yes	Yes
Spray function	No	Yes	Yes	Yes
Cumulative function	Yes	Yes	Yes	Yes

Installation and Operation

Opening instructions

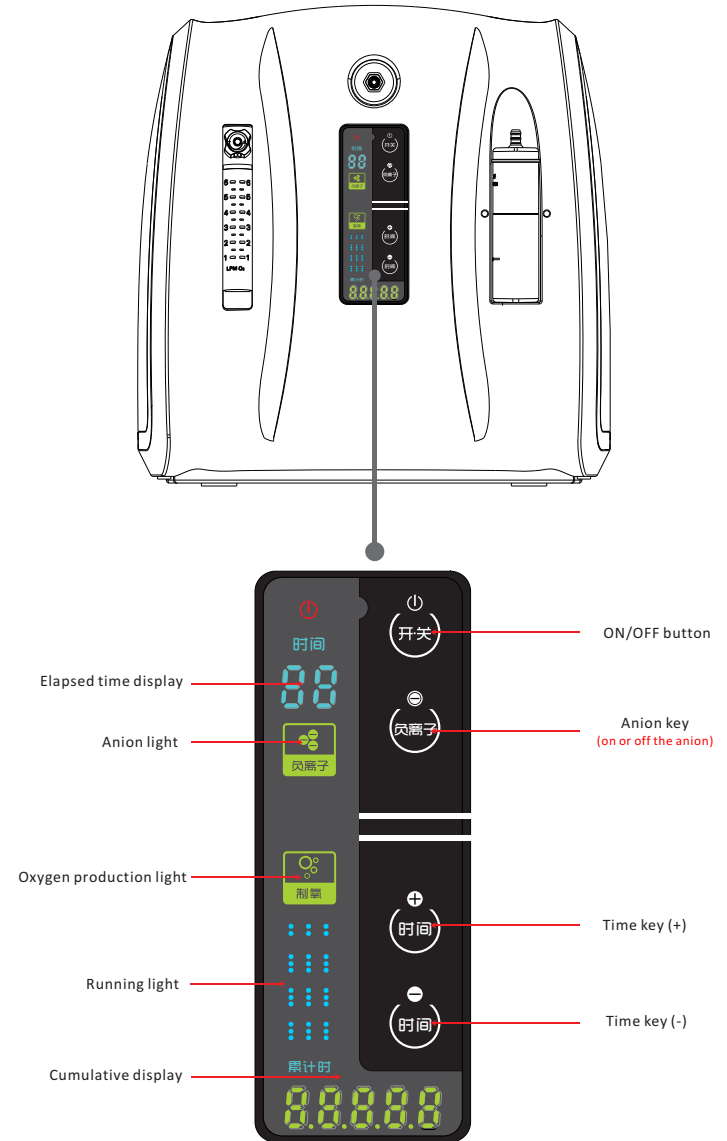
Oxygen packing, please check the items in the box whether they complete or intact according to the manual attachment list. Otherwise, please contact retailer or manufacturer.

Appearance diagram:



Installation and Operation

Opening instructions

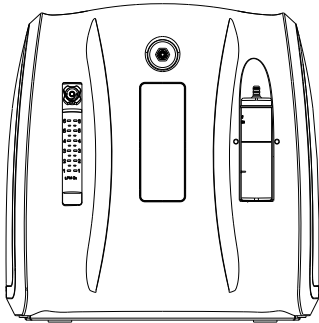


Installation and Operation

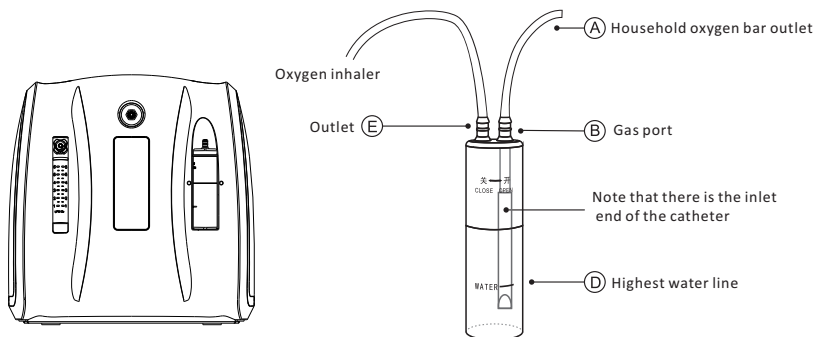
Power operation and components using

▶ Wet cup (add water):

Use left hand to hold wet cup, use right-hand to grip and rotate wet cup counterclockwise, lid open after the rotation in place, adding moderate amount of pure water, then close the lid and turn clockwise rotation in place.



▶ Use of wet cup ;



Note: "The machine connected to the outlet of which ends with the wet cup white tube"

Installation and Operation

Put one end of the conduit to the wet cup inlet port B (with the inlet conduit, as difference) A is inserted into the other end of the conduit connected to the oxygen outlet of household oxygen bar, and finally the end of the oxygen duct plug to the integrated water heater outlet E.

When the water level inside the wet cup exceeds the maximum water level D, please promptly drain the water to avoid water back into the oxygen tube.

▶ Connect the power cord, power on

Put the tail end of the power cord into the power cord socket household oxygen bar, and the other end connected to the indoor outlet, after power, the power switch is turned on, after the first power, microcomputer will automatically start the self-test all the bright lights of a display about 2 seconds, colleagues buzzer will sound prompt, after the self-test, automatically restore the standby mode and displays the default time "015", "power jack" and "power switch" position, see section appearance of page four.



In standby mode, press the "ON / OFF" to wake up the machine and start working, and "oxygen" light will be lit, the default length of 15 minutes, turn off the machine by complex back to standby.



▶ Time

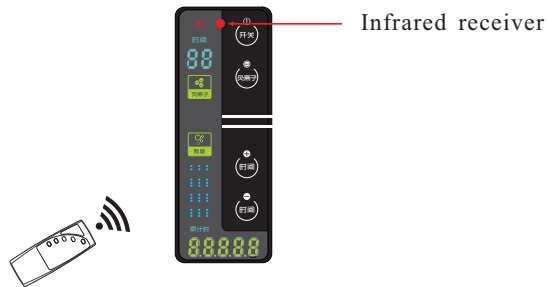
Press "+, -" button to adjust the time of work time, after finish setting, press the "On / Off" button, the oxygen machine starts to work. (after the setup is completed, wait three seconds, the oxygen machine will automatically start working) Click the "timing" until showing the length of time. After finish working, the display window will return to standby mode and waits for the user to use: If you do not use for more than ten minutes (temperature cooling system is running for about five minutes), it will enter power-savings sleep state (anion is closed), then "Power" will flash to alert the user who can press the power switch back to the off state.

Installation and Operation



According to users' needs, you can open anion function, click "anion" to open, and display "anion" light will be lit (see screen instructions on page five), press twice means close.

Remote control use



With a dedicated remote control, this product gets the remote control alignment infrared receiver hole of oxygen machine panel. When you find the remote control operation insensitive and cannot operate, you must check the remote control battery whether it fully charged first; remote control can't be too far from the host computer, otherwise it will lead to the remote control operation insensitive.

Maintenance

Routine maintenance

- ◆ The oxygen machine has smooth appearance, glossy, please prevent the sharp scratch it.
- ◆ Please turn off the oxygen machine after finishing the timer and the air supply, and unplug the power in time.
- ◆ The cotton filters on the host side change in time, if the cotton filters were blocked by the dirty stuff, it will have an effect on oxygen.

Attention:

Please don't take apart the machine by yourself, avoid unnecessary damage inside the machine, before cleaning and maintaining, oxygen machine must be cut off the power.

Handle of long idle

- ◆ Remove the wet cup, drain the water out of the cup and replace host computer after air-dry.
- ◆ Starting up, let the oxygen machine work for thirty minutes, then wait for it to cool by natural.
- ◆ Cut off the power, replace the oxygen machine into the box.
- ◆ Remote control can't install battery while sealing, in order to prevent the battery leakage to damage the remote control.
- ◆ Pls wrap and seal the main engine with plastic bags to prevent air humidity cause the machine performance degradation.

Parts maintenance

- ◆ The maintenance of wet cup:
In order to ensure the cleaning of the wet cup, the injection should be pure water or boiled water, and try to replace every day, we suggest users cleaning the wet cup once a week
- ◆ Cotton filters and filter maintenance:
The main function of the filter is filter and adsorption the dust and impurity, it will form a blockage in turn to affect the intake of oxygen machine for a long time.
It will become intake block for a long time, thereby, have an effect on the oxygen machine; generally, replaced once a quarter, if it has much dust, recommend replacing every two months.

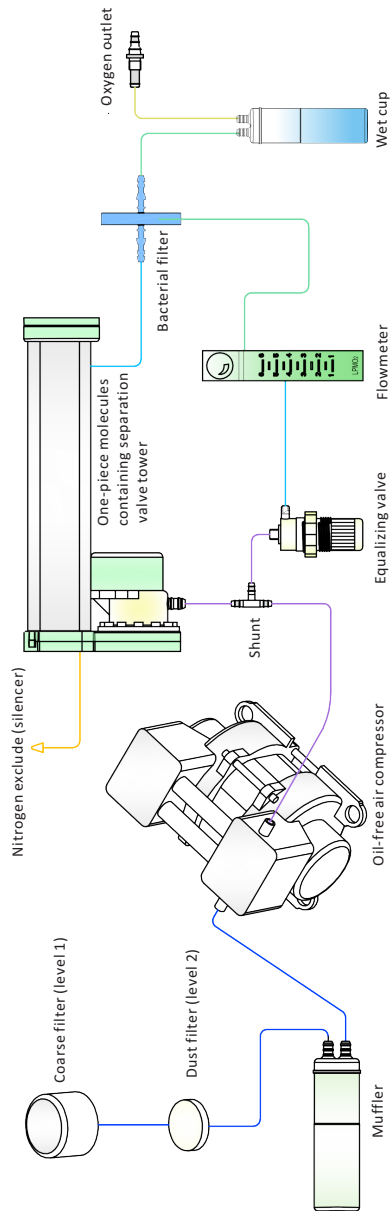
Problem Investigation and Trouble Shooting

Symptom	Possible Cause	Solution
Household oxygen bar cannot operate properly, the power indicator light is not bright.	The power line is not connected to a power outlet.	Check whether the socket outlet connection is normal.
	Power supply socket without electricity.	Replace the electric socket.
	Overload protection burning fuse	Open the insurance and replace the fuse.
	Power cord is not for good in the household oxygen bar or power cord bad.	Unplug reinsert the fuselage outlet or replace a power supply cord.
The screen display normal, but the oxygen bar does not have normal operation sound.	Household oxygen bar overheating protection.	Make sure the place has been away from household oxygen bar curtains, bake warm machines, heaters and fireplaces, and confirm household oxygen bar and walls or other objects around the retention gap of at least 20 cm.
	Household oxygen bar computer froze plate.	Turn off the machine, wait five minutes to restart.
	The compressor function breakdown.	Contact household oxygen bar retailer or manufacturers.
Full screen flash, while alarm.	Internal hardware damage	Returned to the manufacturer or dealer for repair.
Big Noise	Ties are not cut, the machine did not put a smooth.	Cut ties, put the machine steady.
The screen display normal and hear normal operation sound but no anoin oxygen output.	Intake window cotton filters is dirty, cause block.	Household oxygen bar internal malfunction.
	Cut off the power switch, replace window air intake filter cotton.	Contact the household seller or manufacturers.
Press to adjust the time when the transfer is invalid.	Sleep tone when keys are locked, inoperable.	Press the "On / Off" button to wake, the key to adjust the time and then tune.

Problem Investigation and Trouble Shooting

Symptom	Possible Cause	Solution
The oxygen machine emits poor sound six-minute intervals.	The machine emits exhaust sound.	If the machine emits poor sound regularly is a normal phenomenon, discharge the sound of nitrogen.
Water coming out of the mouth of oxygen.	Adding too much water in the wet cup (exceed the highest water level) , airflow will push oxygen tube blisters.	The water in the wet cup have reduced to the highest water level.
	Difference temperature , cause the humidified oxygen in the wall that moisture will condense water out of cold.	Pour the water out of the wet cup, starting up, after fifteen minutes, waiting the droplets are dried in the oxygen tube, then adding water into the wet cup.
the machine is operating normally after starting up, but have a narrow minded.	Flow value is too small.	Turn up flow
	Wet cup is not installed correctly cause leak	<ol style="list-style-type: none"> wet cup cover is not fit in place, unscrew the lid anticlockwise, after checking the right direction again wet glass bottles. wet cup body sets a ring, if you install the missing equipment, it can cause leak.
Oxygen odor	Early use, series of tubes or other plastic will emit odor, is a normal phenomenon.	This odor is normal smell emitted by the silicone tube, which has been detected by non toxic, and with the use of the machine, the smell will gradually disappear.

Working Principle



尊敬的用户：

本说明书详细介绍了本产品的功能特点、操作步骤、注意事项及维护保养等内容；

为了保证您更有效地使用本产品，请在使用前仔细阅读本说明书；阅读后请妥善保管以备后用；

未经许可，用户不得擅自拆开产品，否则将失去保修资格。

请注意，本公司保留产品与技术更新的权利，说明书中有些图例可能会与您在产品中看到的不同，因此请以已收到的实物为准。

感谢您购买本公司产品！祝您使用愉快！

请不要在没有阅读理解本手册前操作产品。如果您在理解本手册上有任何问题，请联系销售商或售后技术人员，在此之前不要自行操作产品，否则有可能导致严重的人身伤害或财产损失！

前言



警告

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注意事项

安全注意事项

- ▶ 为防止停电或家庭氧吧可能出现故障，急需用氧者必须配置其它备用供氧装置（如：氧气钢瓶，氧气袋等）！该设备不考虑作生命或生命延续使用！
- ▶ 氧气可助燃，当家庭氧吧工作时，严禁吸烟；
- ▶ 当环境中存在高温、火花和明火等因素时请勿使用家庭氧吧；
- ▶ 家庭氧吧内有高压电，请勿擅自拆机；
- ▶ 本产品所附配件，经严格检测，安全可靠，如搭配其他未经厂家检测的配件使用，可能会影响本产品性能；
- ▶ 严禁通过拉扯电源线或胶管来移动家庭氧吧；
- ▶ 本产品额定电压为220V，请选用安全合格的插座。
- ▶ 为防止意外发生，请不要让儿童单独操作家庭氧吧，吸氧时，不可将软管绕在颈脖上；行动不便的老人使用时，一定要有监护人在旁协助；
- ▶ 家庭氧吧工作时，是直接从空气中分离氧气作为呼吸使用，因此请勿在油烟、有毒有害气体的环境中使用。

使用注意事项

- ▶ 初次使用前，请先侧倾家庭氧吧，然后剪掉底部的运输固定扎带；（另见《剪扎带说明》）
- ▶ 本产品在工作时，会有间歇的排气声，属于正常现象；
- ▶ 为湿化杯加水时，不要超过最高水位线；家庭氧吧在搬运时，需将湿化杯内的水倒出，以免倒流；
- ▶ 开机前请先确认出氧口、家庭氧吧背后的进气口、散热口是否畅通，以免温度过高而造成停机。
- ▶ 本产品仅适用于居家补氧，不能用于医疗；



产品简介

本产品以空气为原材料，AC220 电源为动力源，采用优质法国原装的分子筛和5000小时寿命的空气压缩机，在常温下通过先进的变压吸附分离法（PSA法），从空气中提取高纯度氧气；此方法为纯物理方法，出氧稳定，安全可靠。

（工作原理请参照第26页工作原理图）

功能特点

智能控制：彩色IMD触摸屏，只需用手指轻轻接触显示屏，就可以随意更换功能，操作简单，无需过多的学习成本，配有定时操作功能和红外线遥控，使操作更加简单方便。

负离子：本机器配备有负离子功能，并设有“负离子”按钮；该负离子系统可以单独工作，也可以跟制氧系统同时工作；负离子发生器设在机器排风口处工作时顺着排风口排放到机器周边空间。

多层过滤、更换自主方便：本产品制氧系统会对输入的空气分别作粉尘粗过滤、粉尘精过滤及细菌过滤三层处理，最终所输出的氧气清新洁净；且前二层过滤无需拆机即可更换，方便用户自主操作。

适用环境

温度：5~35℃ 相对湿度：≤80%
 大气压力范围：0.086MPa~0.106MPa
 温度偏高或偏低时，请勿使用家庭氧吧。

技术参数

产品名称：家庭氧吧
 型号：MAF015A
 适用范围：仅用于居家补氧，不用于医疗
 制氧方法：变压吸附分离法（PSA法）
 输入功率：115 W
 额定电压：AC 220V,50Hz
 额定电流：0.5A
 出气量：1~6L/min
 氧气出气气压：< 100KPa
 负氧离子：≥ 600万 微粒/cm³
 噪音：约48dB
 产品尺寸：302*168*325mm
 产品净重：5.2 KG
 电器分类：II类
 执行标准：GB4706.1-2005
 Q/MAF 01-2017

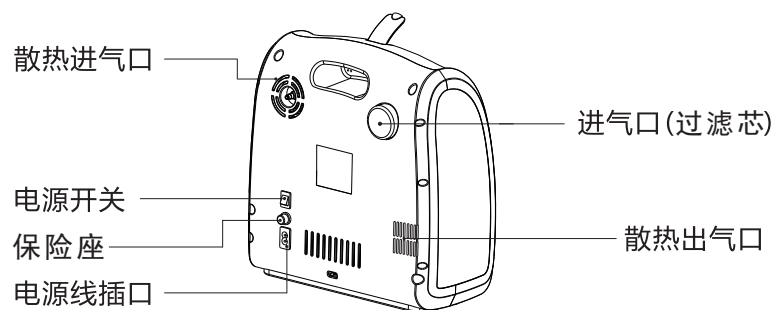
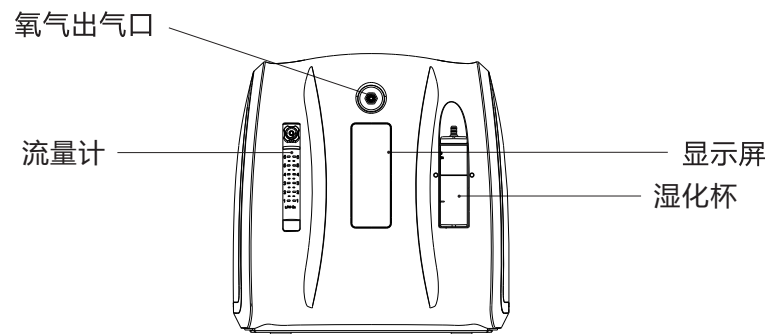
功能区别如下表：

型号	MAF015A	MAF015AW	MAF015BW	MAF015BJ
氧浓度	30%~90%	30%~90%	30%~90%	30%~90%
遥控功能	有	有	有	有
喷雾功能	无	有	有	有
累计时功能	有	有	有	有

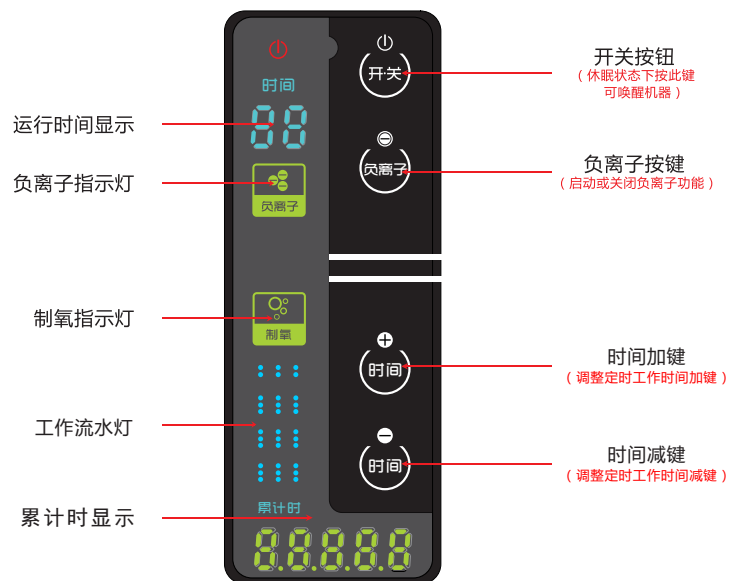
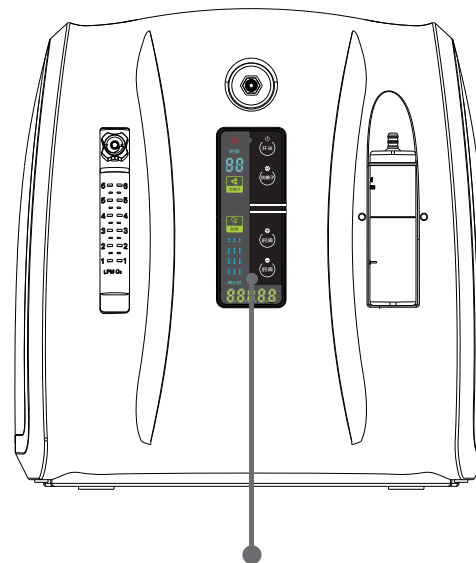
开箱

开箱后请检查产品外观是否完好，如有缺损，请及时联系销售方或制造商。

外观示意图



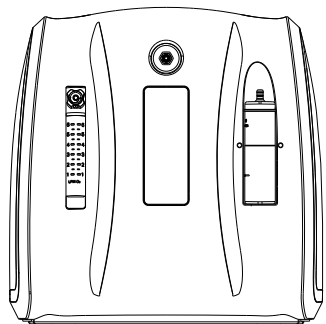
显示屏说明



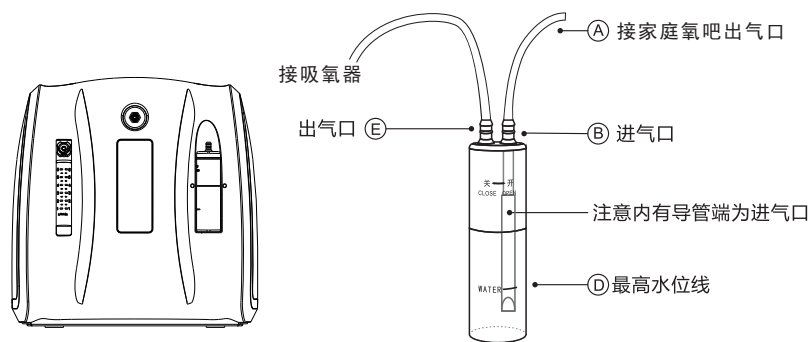
开机操作与部件使用

▶ 湿化杯加水；

左手抓住湿化杯下部，右手握紧湿化杯上部并逆时针旋转，旋转到位后将杯盖打开，加入适量的纯净水，然后将杯盖合上并顺时针旋转，旋转到位即可。



▶ 湿化杯的使用；



注：“机器出气口接湿化杯内带白色管的这端”

先将导管一端插接至湿化杯进气口B(进气口内有导管，以此作为区别)另一端A插接到家庭氧吧出氧口，最后将吸氧器导管一端插接至湿化杯出气口E即可；

当湿化杯内的水位超过最高水位线D时，请及时将水倒掉，避免再次将水压入输氧管内；

连接电源线，通电；

将电源线尾端插到家庭氧吧的电源线插口上，另一端连接到室内插座，通电后，把电源开关打开；首次通电后，微电脑将会自动启动自检—显示屏指示灯全部亮约2秒同时蜂鸣器也会有提示响声；自检结束后，自动恢复待机状态，且显示默认时间“015”。“电源插口”与“电源开关”位置请见第18页外观示意图。

开机  或 

在待机状态下，点按“开/关”即可唤醒机器，开始工作，同时“制氧”灯也会亮起，默认定时时长为 015 (十五分钟)，复按则关闭机器，回到待机状态。

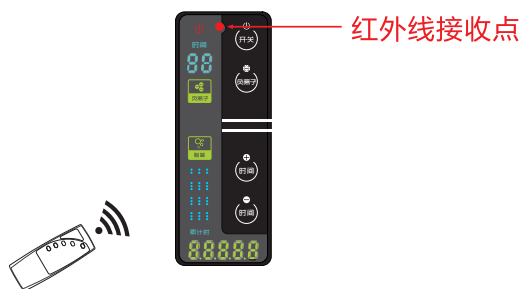
时间  或 

按“+”“-”键调整定时工作时间，设置完成后按“开/关”键则家庭氧吧开始工作（设置完成后，等待三秒，家庭氧吧也会自动开始工作），工作结束后，显示窗口会恢复到开机状态，并等待用户使用，如果用户超过10分钟没有使用，将会进入休眠省电状态（负离子未开启状态下），这时“电源”指示灯会闪烁提醒用户，可以将电源线拔了或把电源开关按回关闭状态。

▶ 负离子 (负离子) 或 (负离子)

用户根据自身需求，可开启负离子功能，点按“负离子”即可开启，同时显示屏“负离子”灯也会亮起（详见显示屏说明第19页），复按则关闭。

遥控器的使用



本产品配置专用的遥控器。将遥控器发射端对准家庭氧吧面板的红外线接收孔；当发现遥控器操作不灵敏和不能操作时，应首先检查遥控器的电池是否电量充足；遥控器距离主机不宜太远，否则会导致遥控器操作不灵敏。

日常维护

- ◆ 整机外观光滑，有光泽，请防止锐器划伤；
- ◆ 请在定时器和送风结束整机关闭后，及时拔下电源；
- ◆ 主机背面的过滤棉要及时更换，若过滤棉被污物堵塞，将影响本产品的制氧效果；

注：请不要擅自拆开机器，避免机器内部出现不必要的损伤；在清理和维护之前，家庭氧吧必须断开供电电源！

长期闲置时的处理

- ◆ 取下湿化杯，将杯内水倒掉并晾干后装回主机；
- ◆ 开机，让家庭氧吧工作30分钟，然后等自然冷却；
- ◆ 切断电源，将家庭氧吧装回包装箱；
- ◆ 注意封存时遥控器内不可装电池，以防电池漏液损坏遥控器。
- ◆ 将主机用胶袋包好密封，以免空气潮湿导致机器性能下降。

部件保养

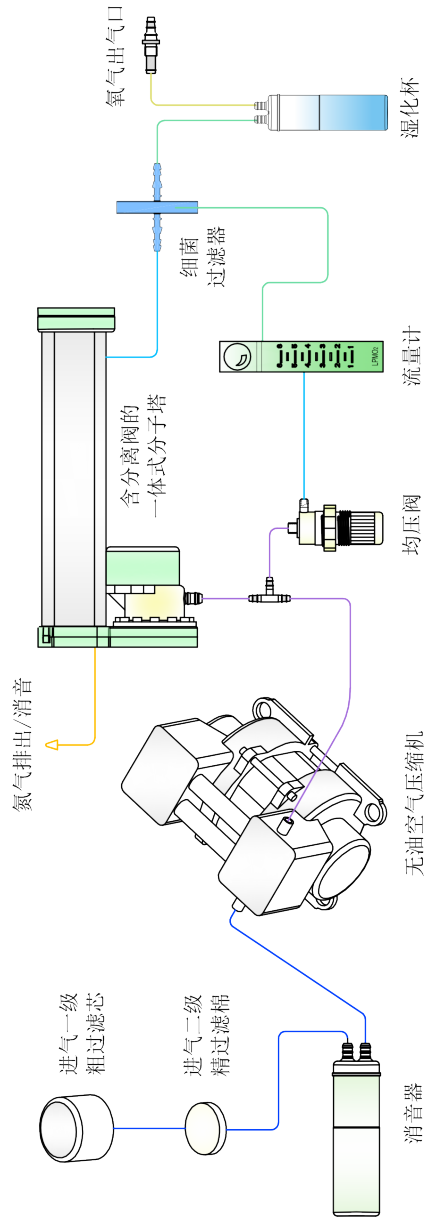
- ◆ 湿化杯的保养：为保证湿化杯的清洁，注入的应是纯净水或凉白开水，并尽量每天更换，湿化杯建议每周清洗一次；
- ◆ 过滤棉及过滤芯保养；过滤棉主要功能为过滤并吸附空气中的粉尘和杂质，时间长了会形成进气堵塞进而影响家庭氧吧的制氧效果；一般一季度更换一次，如果环境灰尘大建议每两个月换一次；“特别注意，过滤棉及过滤芯不可清洗再用，否则会影响机器性能及寿命”。

故障与排除

故障现象	可能原因	解决办法
家庭氧吧无法正常运作。电源指示灯不亮	电源线未连接至电源插座	检查电源插座上的插座是否连接正常
	电源插座没电	更换有电的插座
	保险丝过载保护烧掉	打开保险座更换新的保险丝
	电源线未与家庭氧吧接好或电源线坏	拔下重新插入机身电源插座上或更换一条电源线
屏幕显示正常，家庭氧吧没有发出正常启动响声	家庭氧吧过热保护	请确认家庭氧吧的放置已远离窗帘、烘暖机、加热器和壁炉等。并确认家庭氧吧的四周和墙壁或其他物体间保留至少20公分的间隙。
	家庭氧吧电路板死机	关机，等待五分钟重新启动
	压缩机功能故障	联络家用家庭氧吧的销售商或生产厂家
全屏闪，同时报警	内部硬件损坏	退回厂家或代理商进行维修
报警响，故障灯亮	内部过热保护	关闭电源，冷却30分钟后重新启动
噪音大	扎带未剪，机器未放平稳	剪扎带，放稳机器
显示正常，能听到正常运转的声响，但无氧输出	进气窗口过滤棉太脏，发生堵塞	切掉电源开关，更换窗口进气过滤棉
	家庭氧吧内部发生故障	联络家用家庭氧吧的销售商或厂家
按调时键调时间无效	休眠时调时键已锁定，不可操作	可按“开/关”键唤醒后，再按调时键调整时间

故障与排除

故障现象	可能原因	解决办法
机器每间隔6秒发出“噗吡”声	机器里发出排气声	有规律的发出“噗吡”排气声音是属正常，机器排出氮气的声音
出氧口有水冒出	湿化杯中水加过多（超过最高水位线），气流将水泡压入输氧管	将湿化杯中的水减少到最高水位线以下
	环境温差大，导致加湿后的氧气在管壁上将湿气冷凝水流出	将湿化杯中的水倒掉，开机15分钟后等待水珠吹干后，再给湿化杯加水
开机后机器运转正常，但出气量小	流量值偏小	将流量调大
	湿化杯未安装正确导致漏气	1. 湿化杯合壳不到位，将杯盖逆时针方向旋开，检查后重新将按正确方案将湿化杯装好； 2. 湿化杯身口部套有一个密封圈，如安装时漏装会导致漏气。
氧气中有异味	机器使用初期，接连管以及其它塑胶会发出气味，此现象为正常现象	此气味为硅胶管发出的正常气味，已通过无毒无害检测的，随着机器的使用，气味会慢慢消失
	湿化杯久未清洗或是久未换水，导致湿化杯内有异味	清洗湿化杯



ICS 97.030
Y 97
备案号: 3301041300291035-2017

Q/MAF

惠州市美亚飞电器有限公司企业标准

Q/MAF 01—2017
代替 Q/MAF 01-2014

家用制氧机

备案有效期至2020年8月16日

2017-08-01 发布 2017-09-01 实施

惠州市美亚飞电器有限公司 发布



MANAGEMENT SYSTEM CERTIFICATE

Certification No. 39118Q0071201R0S

This is to certify **Hui Zhou Miafi Electrical Appliances Co., Ltd.**

Unified Social Credit Code 914413005846704965

Registered Address **Warehouse 5F, Jiayia Industrial Park, Zhong Kai High-Tech Zone Area 9#, Huizhou, Guangdong**

Auditing Address **5-6 F, Building C, Jiayia Industrial Park, Zhong Kai High-Tech Zone Area 9#, Huizhou, Guangdong**

that has been assessed and registered as meeting the requirements of **GB/T19001-2016/ISO9001:2015**

Scope of Certification **Design, Manufacture and Sale of Molecular Sieve Oxygen Concentrator; Sale of Electric Toothbrush and Oxygen Concentrator Peripheral Products**

Registration Date: 29 Oct. 2018
Expiry Date: 28 Oct. 2021

Signed by:



1st Audit	2nd Audit	3rd Audit

This certificate holder should get approval of the supervision audit at least once every year within the validity period, and the audit qualified sign should be affixed to the designated location on the certificate to maintain validity of this certificate. The certificate information can be checked on the CNCA website (www.cnca.gov.cn) or OCC website (www.occiso.cn).



Shenzhen Onelink Certification Center Co., Ltd
 Certification and Accreditation Administration of PRC: CNCA - R - 2018- 391
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 Shenzhen, 518055 China
 Tel: +86-755-22672213 Web: www.occiso.cn

广东省高新技术产品 证书

惠州市美亚飞电器有限公司：

经审核，你公司的 智能化精准电控家用制氧机 产品 2015 年被认定为广东省高新技术产品。

批准文号：粤高企协〔2016〕1 号。

有效期：三年。



2016 年 1 月

编号：4155

证书号第2984976号




外观设计专利证书

外观设计名称：手提式智能家用氧气机

设计人：张立武;刘一兵

专利号：ZL 2014 3 0178260.9

专利申请日：2014年06月12日

专利权人：张立武

授权公告日：2014年10月29日

本外观设计经过本局依照中华人民共和国专利法进行初步审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

本专利的专利权期限为十年，自申请日起算。专利权人应当依照专利法及其实施细则规定缴纳年费。本专利的年费应当在每年06月12日前缴纳。未按照规定缴纳年费的，专利权自应当缴纳年费期满之日起终止。

专利证书记载专利权登记时的法律状况。专利权的转移、质押、无效、终止、恢复和专利权人的姓名或名称、国籍、地址变更等事项记载在专利登记簿上。

局长 申长雨

2014年10月29日

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证书号第4461483号




实用新型专利证书

实用新型名称：一种压缩机减震结构

发明人：张立武

专利号：ZL 2015 2 0173066.0

专利申请日：2015年03月26日

专利权人：惠州市美亚飞电器有限公司

授权公告日：2015年07月22日

本实用新型经过本局依照中华人民共和国专利法进行初步审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

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专利证书记载专利权登记时的法律状况。专利权的转移、质押、无效、终止、恢复和专利权人的姓名或名称、国籍、地址变更等事项记载在专利登记簿上。

局长 申长雨

2015年07月22日

第1页(共1页)