

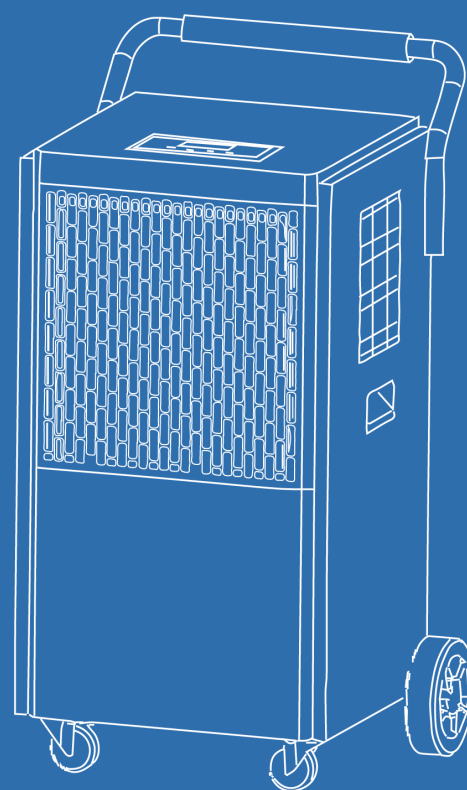
| | |
|------|--------------------|
| 订单号 | BC0240429001 |
| 文件名称 | AP138-2302工业除湿机说明书 |
| 更新时间 | 2024/06/27 |
| 尺寸规格 | 143×210 mm |
| 材质 | 128g铜版纸 |
| 印刷要求 | 双面彩印，上油，骑马钉 |

三页空白页放在封面、封底背面和最后一页

AIRPLUS

DEHUMIDIFIER

DEHUMIDIFIER USER MANUAL
(US STANDARD)



Thank you very much for choosing our brand's product.
To ensure your safety, proper, and efficient use of this
product, please read the instructions carefully and keep
them properly.

NINGBO AQUART ENVIRONMENTAL APPLIANCE CO.,LTD.



WARNINGS

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

Email: sean@edendirect-brand.com

CONTENTS

01 Product Structure

Product Introduction 02
Control Panel Instructions

03 Function Instructions

Usage Precautions 05

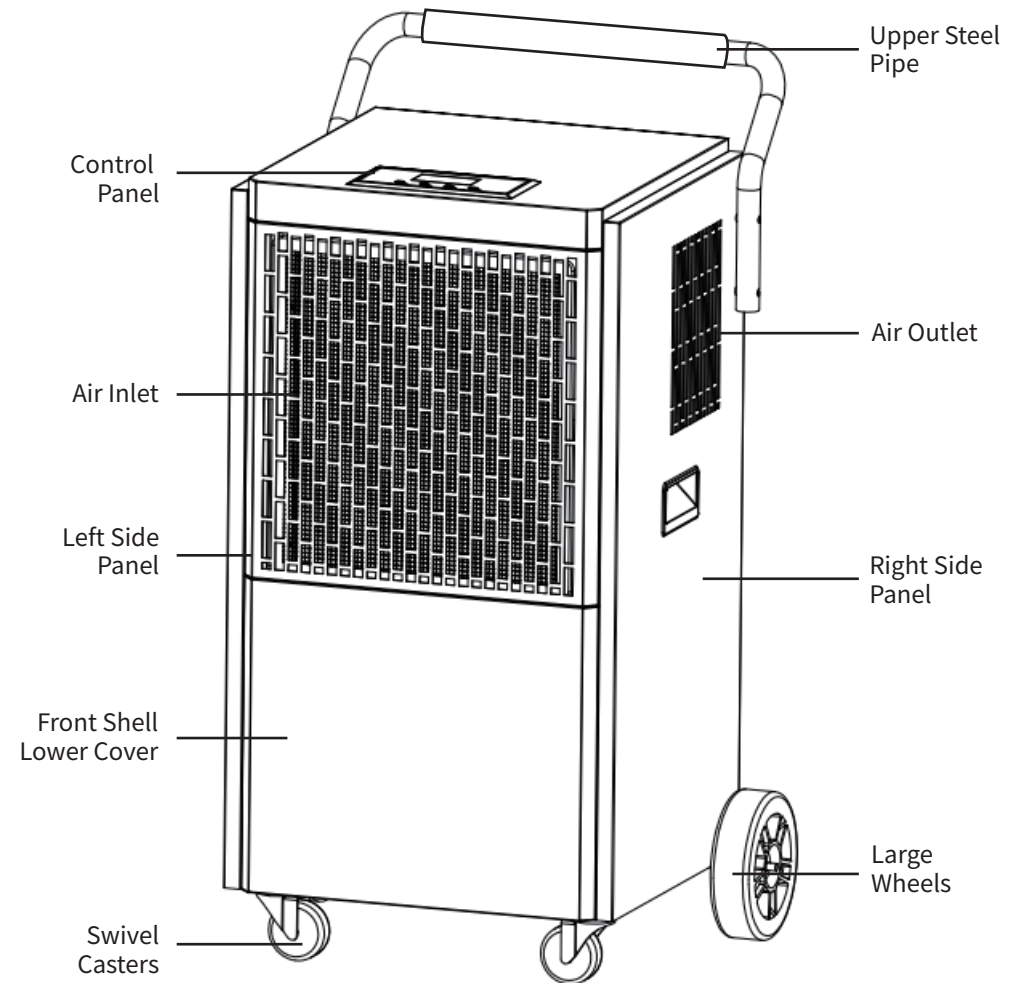
06 Troubleshooting

Special Reminder 08

09 Special Reminder

PRODUCT STRUCTURE

Product Structure



DEHUMIDIFIER

Product Introduction

Our dehumidifiers are designed to reduce the humidity in the installed space, making it suitable for human living and storing items. Equipped with branded compressors and microcomputer humidity control, our company's dehumidifiers feature intuitive humidity display, sleek design, superior performance, and easy operation. They are widely used in scientific research, industrial settings, medical facilities, instrumentation, goods storage, underground construction, computer rooms, data rooms, archives, warehouses, and bathhouses, among other places. They prevent damage caused by dampness, corrosion, and mold to instruments, computers, telecommunications materials, goods, and data.

Control Panel Operation Instructions



| Buttons | Button Operation Instructions |
|---------|--|
| POWER | Press once to switch between on and off. |
| + | 1. Adjust different set values in different states: 2. Increase humidity set value (range RH 10% to 95%) 3. Increase timer time (hours) set value (range 00 to 24) |
| - | Adjust different set values in different states: 1. Increase humidity set value (range RH 10% to 95%) 2. Increase timer time (hours) set value (range 00 to 24) |
| MODE | Each short press of the mode key cycles through the following: Set timer and humidity adjustment functions Exit |

DEHUMIDIFIER

Function Description

1. Humidity Control:

When the set humidity is reached, the fan and compressor shut off together; when the humidity exceeds the set level, the fan and compressor operate together.

Notes:

- When the humidity set value is at its lowest, it defaults to continuous dehumidification mode.
- If the humidity sensor malfunctions, it defaults to continuous dehumidification mode.
- If the coil sensor malfunctions, it switches to fixed timed defrost mode (refer to defrosting method).
- Upon startup, there is a 3-second delay before the compressor starts, and upon shutdown, there is a 3-second delay before the fan stops.
- If the humidity drops to the compressor shutdown condition, there is a 10-second delay before the fan stops.
- Power-off memory: In the event of a sudden power outage while the system is running and the power plug is not securely inserted, the system automatically stores the current operating state. Upon the next power-up, the system will automatically resume the previous operating state before the power outage.

2. Specific Function Description:

Upon initial power-up, press the power button "ON/OFF" to enter the startup mode. The default humidity is set to 50% RH, displaying the current humidity and temperature. The entire unit operates with both the compressor and fan starting up.

Press the setting button "SET" to enter the timer setting function. Press the "+" or "-" buttons to set the timer for shutdown. At this time, the timer indicator on the screen flashes. Press the "+" or "-" buttons to adjust the time. Each press increases or decreases the display incrementally. The setting range is from 0 to 24 hours, with a default of 0 hours. If there is no operation on the interface for 5 seconds, the system will automatically execute the current timer setting.

Press the setting button "SET" again to enter the humidity adjustment setting function. Press the "+" or "-" buttons to adjust the humidity setting. The humidity control range cycles between "10% - 95% - CO". The "CO" mode is the forced dehumidification mode, which is not restricted by temperature and humidity. In this mode, both the fan and compressor run continuously.

DEHUMIDIFIER

3. Defrosting Method

| Defrosting Method | Explanation: | |
|--------------------|--|---|
| Automatic Defrost: | Sensors are normal | 1. "Entering condition (simultaneously satisfied): 2.1. The compressor runs continuously for 30 minutes, and the detected coil temperature is $\leq 30^{\circ}\text{F}$, triggering the defrost mode." 2. During defrosting, the compressor stops running, while the fan continues to operate, and the defrost indicator light is on." |
| Defrost on a timer | When in defrost mode, defrost for 8 minutes, then exit the defrost mode once the time is up. | |

4. Timer Switch Instructions:

● While in the on state, you can set a timer for automatic shutdown. While in the off state, you can set a timer for automatic startup. Setting both timer on and timer off will activate the cyclic timer mode.

A. Timer On Setting: While in the off state, press the "Timer" button. The "Timer On" icon will flash, and the time display area will also flash to indicate the timer setting. Press the "+" or "-" button to adjust the timer setting. Each press will produce a beep, and if you press and hold for 2 seconds while adjusting by 1, the adjustment will continue automatically. After adjusting to the desired time, if there's no operation for 10 seconds, the machine will accept the setting, and the "Timer On" icon will continue to flash. (Setting range: 0 to 24 hours, default is 0 hours)

B. Timer Off Setting: While in the on state, press the "Timer" button. The "Timer Off" icon will flash, and the time display area will also flash to indicate the timer setting. Press the "+" or "-" button to adjust the timer setting. Each press will produce a beep, and if you press and hold for 2 seconds while adjusting by 1, the adjustment will continue automatically. After adjusting to the desired time, if there's no operation for 10 seconds, the machine will accept the setting, and the "Timer Off" icon will continue to flash. (Setting range: 0 to 24 hours, default is 0 hours)

DEHUMIDIFIER

Usage Precautions

1. Do not use a rusty power cord:
 - Do not use a rusty power cord, extension cord, or plug.
 - Otherwise, it may cause a fire, electric shock, or overheating.
2. Do not place this machine near stoves, heaters, or other heating devices:
 - Otherwise, plastic parts may melt, potentially causing a fire.
3. Do not use the dehumidifier in places where it may be exposed to direct sunlight, wind, or rain:
 - This machine is for indoor use only.
4. If any problems occur (such as a burning smell), immediately turn off the machine and unplug the power cord:
 - Otherwise, it may cause a fire, electric shock, or new malfunctions.
5. Tips for extending the life of the air purification filter:
 - When not in use for a long time, seal the air purification filter in a plastic bag.
6. Do not use the dehumidifier in places where it may get wet:
 - If the machine gets wet, it may cause an electric shock, resulting in fire or other electrical accidents.
7. Use an appropriate power switch:
 - Otherwise, it may cause a fire or electrical accident.
8. Do not damage or alter the power cord:
 - Do not place heavy objects on, heat, or alter the power cord, as this can damage it and cause a fire or electric shock.
9. Ensure the power cord is securely connected to the power switch:
 - A loose power cord may pose an electric shock hazard.
10. Do not stop the dehumidifier by pulling out the power cord:
 - Doing so may cause a fire or electric shock.

DEHUMIDIFIER

Troubleshooting

1. If the dehumidifier malfunctions, immediately cut off the power supply and unplug the power cord from the socket. Check the following items:

| Problem | Possible cause | solutions |
|-----------------------|---------------------------------------|---|
| Machine not operating | no power display | |
| | power outage or no power at socket | Check if power supply is normal |
| | Power plug not properly inserted | Insert the power plug into the socket |
| | Fuse on the control board blown | Replace the fuse |
| | Power display on | |
| | Control board transformer damaged | Replace the transformer |
| | Ambient humidity lower than set value | Reset the humidity level as needed |
| | Machine in defrosting mode | Remove the obstructions |
| Poor dehumidification | Air inlet or outlet blocked | Wait for defrosting to complete |
| | Windows or doors open | Close the windows and doors |
| | Room temperature too low | Do not use the dehumidifier |
| Loud noise | Ground not solid or flat | Relocate to a solid and flat surface |
| | Dehumidifier not placed stably | Reposition the dehumidifier stably |
| Water leakage | Machine tilted | Adjust the machine to be level |
| | Drain pipe/outlet blocked | Remove the front panel and clear debris |
| Error codes | E1: Coil fault | Switch to timed defrost, cancel system error, can be restored |
| | E2: Temperature sensor fault | Replace the temperature sensor |
| | E3: Humidity sensor fault | Replace the humidity sensor |

DEHUMIDIFIER

2. If the above issues still cannot be resolved, please contact the manufacturer or authorized dealer directly. Do not dismantle the machine without authorization.

3. When the machine is running, you may hear the sound of refrigerant circulation, which is a normal phenomenon.

4. The machine will emit hot air from the outlet, causing the room temperature to rise by 34-37°F. This is normal, so please feel free to use it.

5. When moving, do not tilt the machine body more than 45 degrees to prevent damage to the compressor.

6. The operating temperature of this machine is 41-95°F.

7. When the room temperature is below 50°F and the ambient absolute humidity is very low, the dehumidifier may not need to be used.

8. The air inlet and outlet must be at least 1 meter away from the wall or obstacles to avoid affecting the dehumidification effect.

9. Accumulated dust on the air filter will affect the dehumidification effect and may even cause malfunctions. It must be cleaned regularly, at least once a month. If there is a lot of dust in the environment, it must be cleaned once a week or even daily. When cleaning, gently tap the filter or use a vacuum cleaner to remove the dust on the filter, or soak the filter in warm water ($\leq 104^{\circ}\text{F}$) with a small amount of detergent, then rinse it with clean water and air dry it.

10. If a fault code appears during the operation of the machine, turn off the machine immediately and report it to the after-sales staff for repair.

Continuous operation of the machine for 24 hours will affect its service life. It is recommended to stop the machine for 2 hours after every 10 hours of operation. If there are special requirements for continuous operation for 24 hours, the machine must be supervised by dedicated personnel. Otherwise, in case of accidents, the company will not be liable.

DEHUMIDIFIER

Special Reminder

1. Special Reminder to Users:

1. The humidity sensor is a precision component. Its use in environments with strong corrosive gases and high dust levels may cause the sensor to malfunction.
2. This machine does not have explosion-proof capabilities. It is strictly prohibited to use it in environments with flammable or explosive gases, dust, chemicals, biological products, or other special requirements.
3. If the machine is damaged due to use in the above environments, it is not covered by the warranty.
4. When installing this machine, grounding protection measures must be taken to ensure safety during use.
5. Water discharge will occur after the machine has been running for a period of time. Please pay attention to proper drainage.
6. To reduce malfunctions and extend the lifespan, avoid using excessive force when operating the buttons.
7. The humidity sensor may have slight deviations from actual humidity due to its position, environment, and temperature. This is a normal phenomenon.
8. During operation, cooled air will be discharged after passing through the condenser, resulting in higher outlet temperatures compared to ambient temperatures. The emission of hot air is a normal phenomenon.
9. Dehumidification capacity is dependent on environmental temperature and humidity. Higher temperatures and humidity levels result in greater dehumidification capacity, while lower temperatures or low humidity conditions will lead to reduced dehumidification capacity. This is a normal phenomenon.

DEHUMIDIFIER

Specification Overview

Specification Table:

| | |
|-----------------------------|---------------------|
| MODEL | AP138-2302 |
| Power Supply | AC 115V/60HZ |
| Rated Power (86°F 80% RH) | 1410 W |
| Rated Current (86°F 80% RH) | 12.5 A |
| Low Side Pressure | 290psig |
| High Side Pressure | 650psig |
| Refrigerant: | R32/(16.22oz)(460g) |
| Motor FLA: | 2.13A |
| Motor Compressor: | RLA:11.8A ;LRA:54A |
| Product Dimensions: | 21.65*19.57*37.6 in |
| Gross Weight: | 86lb |
| Applicable temperature: | 41-95°F |

