

Product Manual

OPERATION MANUAL

contents

Chapter 1	Basic Equipment Knowledge	1
1.1	Purpose	1
1.2	Safety Instructions	1
1.3	Accessory List	2
1.4	Product Specifications	3
Chapter 2	Core Equipment Operating Guide	4
2.1	Equipment Overview and Operational Procedures	4
2.1.1	Equipment Overview	4
2.1.2	Equipment Rear Overview	5
2.1.3	Vacuum Cleaner Operating Instructions	5
2.2	Circuit Control Panel Operating Instructions	6
2.2.1	Function Overview	6
2.2.2	Time Setting Procedure	6
2.2.3	Parameter Setting Operation	7
2.2.4	Setting Example	7
2.2.5	Restoring Factory Settings	7
Chapter 3	Equipment maintenance and cleaning	8
3.1	Cleaning the Vacuum Head	8
3.2	Cleaning the Dust Container	8
3.3	Replacing the Filter	9
Chapter 4	Equipment maintenance and cleaning	10
4.1	Power Failure	10
4.2	Insufficient Suction	10
4.3	Abnormal Noise	11
Chapter 5	Safety Precautions	12
5.1	Prevent Dust Accumulation	12
5.2	Operational Safety Precautions	12
	Disclaimer	14

Chapter 1 Basic Equipment Knowledge

1.1 Purpose

This vacuum cleaner manual is designed to provide users with clear and detailed operational guidance, enabling correct and safe product usage. The manual not only outlines standard operating procedures but also specifies essential safety precautions, troubleshooting techniques for common faults, and key maintenance points. This enables users to fully familiarise themselves with the product's characteristics and functions, master correct usage and maintenance methods, and effectively prevent safety risks or equipment damage caused by operational errors. Additionally, the manual addresses common queries users may encounter during operation, delivering comprehensive and reliable usage support and assurance.

1.2 Safety Instructions

Please read the manual carefully and operate the device correctly in accordance with the instructions.

1. Before use, verify that the voltage and frequency of the power adapter match those of the vacuum cleaner.
2. Before use, inspect the power cord and plug for damage; do not use if damaged;
3. When cleaning the vacuum cleaner head or other components, ensure the power supply is disconnected and the plug is removed;
4. To prevent electric shock hazards, avoid contact with water or other liquids, and do not insert or remove the power plug with wet hands;
5. Do not overload the vacuum cleaner to avoid overheating and damage;
6. Ensure no flammable or explosive materials are present during operation to prevent accidents;
7. Should the vacuum cleaner become blocked, do not force its operation. Switch off the power supply, clear the obstruction, and then resume use;

8. The vacuum cleaner must not be used for any purpose other than dust removal;
9. Children or inexperienced persons must not operate the vacuum cleaner unsupervised.

1.3 Accessory List

The following outlines the purpose of each vacuum cleaner accessory:

- 1) Vacuum hose: Used to extend the length of the vacuum cleaner's tubing, facilitating connection and cleaning of high or distant equipment.
- 2) Dust container: A receptacle for storing dust and debris, which may be a removable dust bag or directly integrated into the vacuum cleaner.
- 3) Air filter: Filters dust and particles from the air, ensuring clean exhaust air.
- 4) Power cord: Transmits electrical power from the mains supply to the vacuum cleaner, ensuring proper operation.
- 5) Signal cable: Used for coordination between the device and the vacuum cleaner, transmitting signals from the associated equipment to the vacuum cleaner.
- 6) PU Air Tube: Connects to the vacuum cleaner's air tank. Upon receiving a control signal, the gas within the tank is instantly released, blowing dust and debris from the filter screen into the dust container.
- 7) Universal hose connector: Links the hose to other equipment or ducting, directing dust from the equipment into the vacuum cleaner to accommodate various operational scenarios.
- 8) Specific Quantities: Vacuum hose ×1; Dust collection box ×1; Filter ×1; Power cord ×1; Signal cables ×2; PU air hose ×5m; Universal hose connector ×1.

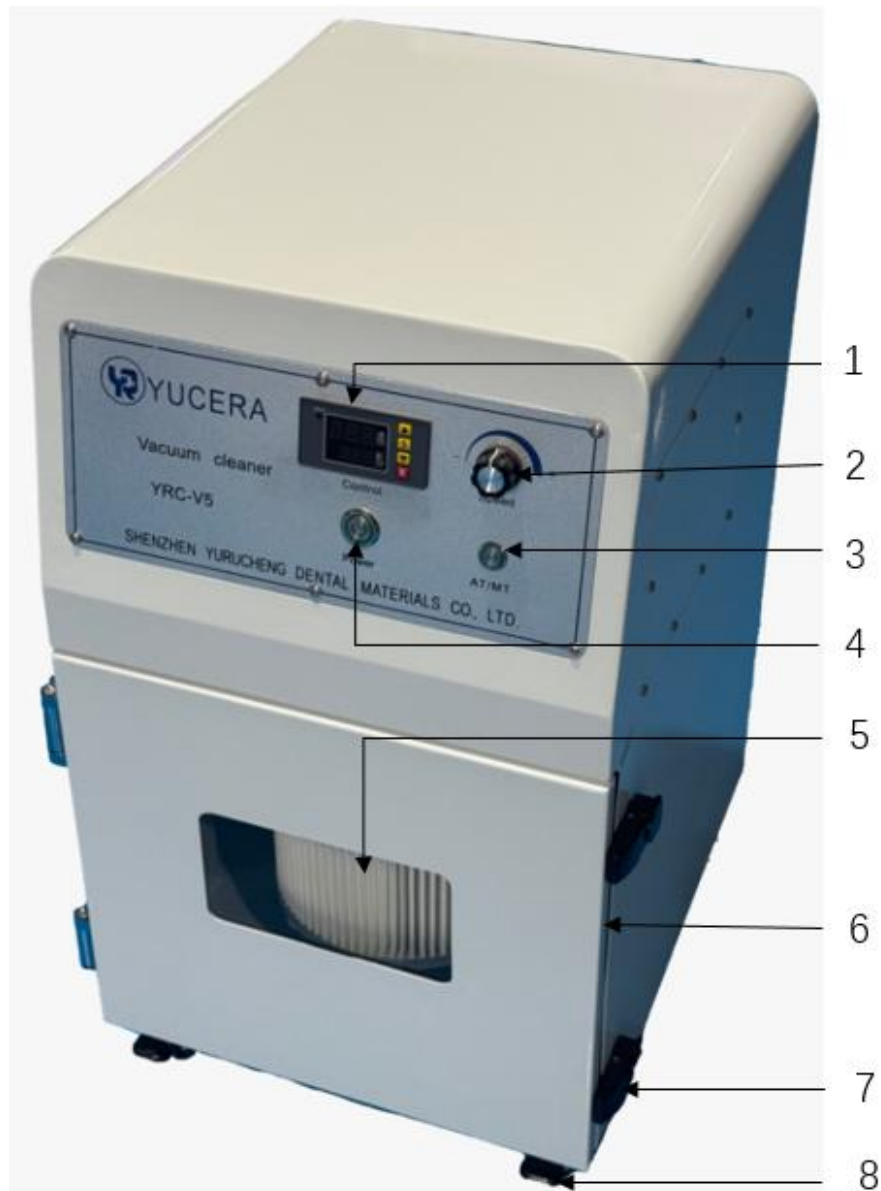
1.4 Product Specifications

Model	YRC-V5
Operating Voltage	220V
Operating Current	5.5A
Power	1200W
Rated frequency	50Hz/60Hz
Weight	37kg
Dimensions (mm)	455 × 380 × 680
Pressure	1600 Pa
Airflow Velocity	200m ³ /hour
Noise (dB)	<60dB

Chapter 2 Core Equipment Operating Guide

2.1 Equipment Overview and Operational Procedures

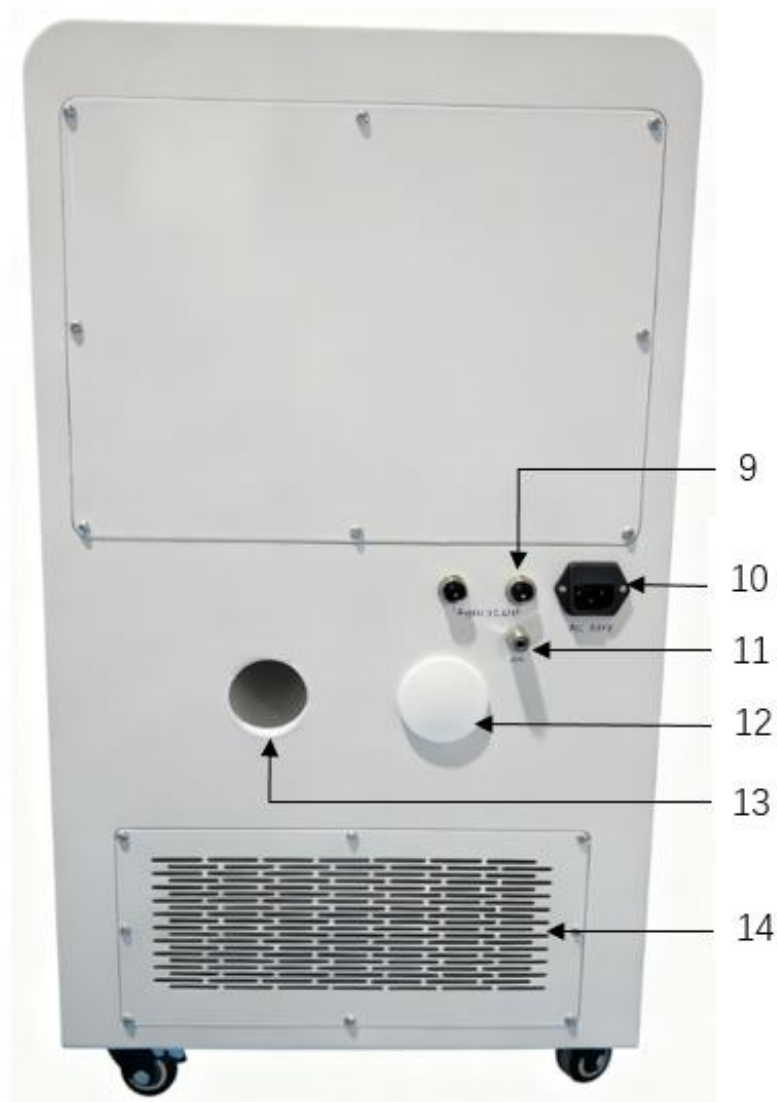
2.1.1 Equipment Overview



YRC-V5 Schematic Diagram

1. Circuit Control Panel 2.Suction Adjustment Knob 3. Mode Switch Button
4.Power Switch 5.Filter dust removal cartridge 6. Dust collection door
7.Locking latch 8. Castors

2.1.2 Equipment Rear Overview



Rear Panel Overview Diagram

9. Control Signal Ports*2 10. Power Socket 11. Air Hose Connection
12. Silicone Sealing Plug 13. Suction ports*2 14. Exhaust vent

2.1.3 Vacuum Cleaner Operating Instructions

This vacuum cleaner features a main control panel with suction power adjustment buttons, mode selection keys, and a power switch. The diagram illustrates the external connectors and control interface layout from multiple angles.

To operate this unit in conjunction with a compatible device, follow these steps:

1. Connect the vacuum hose to the universal tube, linking the vacuum inlet (13) to the dust extraction port of the compatible unit;
2. Connect the signal cable between the control signal interface (9) and the output control signal interface of the compatible device;
3. Connect the air hose (11) to the power supply (10);
4. Press the power button (4) and adjust suction strength via the suction control knob (2) to activate the synchronised operation mode;
5. For standalone operation of this unit, switch to manual mode using the mode selector button (3). The control signal (9) may be disconnected.
6. Power and Signal Specifications: DC24V denotes a 24V DC signal source, while AC220V indicates a 220V AC power supply, supporting 50Hz/60Hz frequencies.

[Note]: To ensure optimal dust extraction performance, inspect the unit's seals prior to operation to prevent reduced suction efficiency due to air leakage.

2.2 Circuit Control Panel Operating Instructions

2.2.1 Function Overview

The circuit control panel adjusts the cleaning frequency of the vacuum cleaner's internal filter, with a factory default setting of 500 seconds per cycle.

【Important Notice】 : After parameter settings are completed, wait 6 seconds for the module to automatically save and retain the configuration data. The R key serves as the reset button, used to reset the relay to maintain a normally closed state, equivalent to restarting the device.

2.2.2 Time Setting Procedure

1. Briefly press the SET key once to enter time setting mode; the red digital display will flash.
2. Use the plus or minus keys to adjust the timer duration T1;
3. Briefly press the SET key again. The green display will flash. Use the plus or minus keys to adjust the timer duration T2.
4. Upon completing the settings, briefly press the SET key again to manually save, or wait 6 seconds for automatic saving and retention.

2.2.3 Parameter Setting Operation

1. Press and hold the SET key to enter parameter setting mode, where you may configure two sets of parameters: P0 and P1;

2. Press the SET key briefly to switch between P0 and P1 parameter options;

3. After selecting a parameter, use the plus or minus keys to adjust the setting:

○ P0 (T1 time unit setting)

- ◆ P0-0: T1 unit is seconds;
- ◆ P0-1: T1 unit is minutes;
- ◆ P0-P2: T1 unit is hours.

○ P1 (Operating Mode Setting)

- ◆ P1-0: Relay energises after delay T1 (T1 timing);
- ◆ P1-1: Relay releases after delay T1 (T1 timing);
- ◆ P1-2: Engages after delay T1, then releases after delay T2 (single cycle);
- ◆ P1-3: Release after delay T1, then engage after delay T2 (single cycle);
- ◆ P1-4: Relay energises after delay T1, then de-energises after delay T2 (repeat cycle);
- ◆ P1-5: Release after delay T1, then re-engage after delay T2 (repeating cycle);

2.2.4 Setting Example

To achieve a "10-second power-on, 20-second power-off" cyclic operation:

1. Set T1=10, T2=20;
2. Select P0-0 (T1 unit is seconds);
3. Select P1-5 (cycle mode: operate first, then stop).

2.2.5 Restoring Factory Settings

Should incorrect parameter settings prevent normal operation, hold down the S key while powering on to restore factory settings.

Chapter 3 Equipment maintenance and cleaning

3.1 Cleaning the Vacuum Head

1. Power-off procedure: Before cleaning, switch off the vacuum cleaner and unplug the power cord to ensure operational safety;
2. Foreign Object Inspection: Examine the interior and inlet of the vacuum head for large debris or blockages. If present, manually remove them first.
3. Head Detachment: Depending on the head's design, detach it from the vacuum body if removable;
4. Dust Removal: Gently brush away residual dust and fine debris from the surface and interior of the nozzle using a soft brush or small brush;
5. Wet cleaning: Where the nozzle is washable, soak it in lukewarm water with a neutral detergent, then rinse thoroughly to remove grime. After cleaning, rinse away any detergent residue with clean water and allow to dry completely;
6. Filter inspection: While cleaning the vacuum head, simultaneously check the cleanliness of the vacuum cleaner's filter;
7. Reassembly: Reattach the dried vacuum head to the main unit, ensuring a secure connection with no looseness.

3.2 Cleaning the Dust Container

1. Before cleaning the dust container, ensure the vacuum cleaner is switched off and the power plug is unplugged to prevent electric shock and ensure operational safety.
2. Dust Bin Removal: Locate the dust bin according to the vacuum cleaner's design and remove it from the main unit following the manufacturer's instructions;
3. Dust removal and cleaning: Empty the dust and debris from the dust container into a bin liner or waste bin. If dust residue remains on the inner walls, gently brush it away using a soft brush or small brush to ensure the interior is clean.
4. Reinstalling the dust container: Once cleaned, align the dust container with the

vacuum's mounting interface and reattach it correctly to the main unit, ensuring it is fully secured without any looseness.

3.3 Replacing the Filter

1. **Power Disconnection Safety Procedure:** Before replacing the filter, ensure the vacuum cleaner is switched off and the power plug is unplugged to prevent electric shock and guarantee operational safety.

2. **Removal of old filter:** Release the latch on the vacuum cleaner's dust compartment door. Grasp the filter firmly with both hands and rotate it counter-clockwise until it disengages from its mounting position, then remove it.

3. **Insert the new filter** into the mounting position in the correct orientation and alignment, rotating clockwise to ensure it fully seats against the mounting interface without misalignment or looseness, and is securely installed;

4. **Reassembly of components:** If other related components were removed alongside the filter during disassembly, reinstall the new filter and these components sequentially back into the vacuum cleaner, ensuring all parts are properly seated.

5. **Filter lifespan guidance:** The standard service life of the filter is approximately nine months. Actual longevity may vary depending on usage conditions. Regular inspection based on usage patterns is recommended. Should the filter exhibit damage, severe clogging, or other issues, replacement should be carried out promptly.

Chapter 4 Equipment maintenance and cleaning

4.1 Power Failure

If the vacuum cleaner fails to power on, first check the following:

1. Power plug and cable inspection: Ensure the power plug is fully inserted and securely seated in the socket. Simultaneously inspect the power cable for any visible damage, cracks, or fraying. If the power cable is damaged, discontinue use immediately.
2. Converter or motor faults: Such issues require professional inspection and repair. Do not attempt to disassemble the unit yourself. Contact official after-sales support promptly.

4.2 Insufficient Suction

Should the vacuum cleaner exhibit reduced suction power or diminished cleaning efficiency, troubleshoot as follows:

1. Dust Bin or Dust Bag Inspection: Check whether the dust bin is full and empty it if necessary. If using a dust bag, inspect its saturation level and replace it if full. Ensure the dust bin or bag does not exceed its maximum capacity.
2. Filter inspection and cleaning: Examine whether the filter is clogged. If blocked, clean it promptly. For washable filters, clean according to the manufacturer's specified method. Ensure the filter is completely dry before reinstalling it.
3. Check for blockages in the ducting: Inspect the vacuum cleaner's connecting ducting (including the suction tube, hose, etc.) for obstructions. If debris or foreign objects are present, disconnect the power supply first, then manually clear the blockage;
4. Motor or Power Supply Malfunction: Should the above methods fail to resolve the issue, it may indicate an anomaly with the motor or power supply components. Cease using the appliance immediately and contact official after-sales support for professional inspection and repair. Under no circumstances should you attempt to disassemble the unit yourself.

4.3 Abnormal Noise

1. Motor blockage inspection: Disconnect the power supply first. Inspect the interior and surrounding area of the rotating motor for any obstructions such as entangled cords, residual debris, or other blockages. If obstructions are present, carefully remove them.

2. Seal integrity check: Inspect whether the equipment's sealing strips are damaged or deformed, whether air tubes have leakage gaps, and whether the dust collection door is fully closed. If seal integrity is compromised, noise may be caused by loose components rubbing. Replace damaged sealing strips or re-close the dust collection door;

3. Foreign object ingress: Should abnormal noise persist after completing the above checks, foreign matter may have entered the motor. This requires professional servicing. Do not attempt disassembly yourself; contact official after-sales support for resolution.

Chapter 5 Safety Precautions

5.1 Prevent Dust Accumulation

During operation, regularly empty the dust container and clean filter components to prevent dust accumulation beyond capacity. Neglecting dust removal until fullness occurs adversely impacts equipment performance and operational safety as follows:

1. **Suction Decline:** Full dust loads obstruct internal filters and airflow channels, impeding air circulation and significantly reducing the vacuum cleaner's rated suction power, thereby diminishing cleaning efficiency.

2. **Abnormal Airflow and Secondary Contamination:** When the filter surface becomes covered with accumulated dust, the effective ventilation area decreases and normal airflow pathways become obstructed. This results in a significant reduction in the vacuum cleaner's rated suction power, affecting cleaning efficiency.

3. **Filter failure:** The core function of the filter is to intercept dust and particulates, preventing their release into the room via the exhaust vent. When dust accumulates, the filter pores become blocked, drastically reducing filtration precision. It can no longer effectively block fine particles, losing its original filtering efficacy;

4. **Motor overload:** To maintain basic airflow circulation, the motor must expend greater power to drive airflow when clogged with dust. This subjects the motor to prolonged high-load operation, shortening its service life.

5. **Increased risk of equipment failure:** Persistent neglect of dust removal not only damages the motor but may also cause component failures such as duct blockages or filter damage. This ultimately prevents the vacuum cleaner from starting normally or causes abnormal operation, increasing maintenance costs.

5.2 Operational Safety Precautions

To ensure operational safety and normal functioning, adhere to the following guidelines:

- 1、 **Power Handling Safety:** Before connecting or disconnecting the power plug, ensure

the vacuum cleaner is switched off. Never plug or unplug while the unit is running to prevent arcing faults. Keep hands dry when handling plugs; wet hands are prohibited to avoid electric shock from current leakage.

2、 Power Cord Protection: During use, avoid areas where the power cord is positioned to prevent stepping on, crushing, or tripping over it, thereby avoiding cable damage and exposed copper wires causing short circuits. When storing or moving the device, tidy the power cord to prevent tangling, knotting, or excessive pulling, ensuring the cable remains intact and undamaged.

3、 Safety at Height: When using the vacuum cleaner at elevated positions (e.g., atop cupboards or stair railings), first inspect the area above the work zone. Remove any items at risk of falling and confirm the environment is unobstructed. Employ stable tools such as non-slip step stools and, if necessary, extend the suction tube to prevent the appliance from falling.

4、 Fire hazard prevention: Keep candles, lighters, and other ignition sources away from the vacuum cleaner. Ensure adequate ventilation during operation and avoid prolonged use in enclosed spaces to prevent motor overheating and potential fire hazards.

5、 Dust Container Safety: Switch off the vacuum cleaner and disconnect the power supply before cleaning the dust container. Avoid flammable materials when emptying. Wear a protective mask if the dust contains harmful particles.

6、 Eye Protection: Wear safety goggles when clearing dust, cleaning, or replacing filters to prevent dust ingress. Use a soft-bristled brush to remove stubborn dust from filters, minimising inhalation risks.

Disclaimer

To ensure proper equipment usage and safeguard mutual legal rights, as the manufacturer, we hereby advise: Please carefully review the following disclaimer before reading or using this equipment manual. By starting or operating this device, you acknowledge and accept all terms herein, agreeing to comply with this statement.

1. Usage Risks and Liability: The use of vacuum cleaners carries inherent risks. Users must be fully aware of and voluntarily assume these risks. All usage actions and resulting consequences are the sole responsibility of the user.

2. Operational Guidelines and Risk Warnings: Failure to operate the vacuum cleaner correctly in accordance with this manual and the manufacturer's recommendations may lead to safety hazards, equipment damage, or personal injury. Before use, please thoroughly read the user manual and strictly follow the operating instructions.

3. Repair and Maintenance Restrictions: Unauthorised individuals must not disassemble or repair internal components of the vacuum cleaner. Unauthorised repairs may cause equipment damage, electric shock, fire hazards, or other dangers. All repairs and maintenance must be entrusted to qualified professionals or the manufacturer's authorised service department.

4. Scope of Application: The vacuum cleaner is designed for specific scenarios and purposes. Ensure the environment and cleaning objects meet the equipment requirements during use. Do not use it on unsuitable materials, liquids, or under inappropriate working conditions.

5. Manual Content and Interpretation: This user manual is for reference only. The company reserves the right to modify the device through software upgrades or structural optimisations without prior notice. The company retains final interpretation rights over all content herein.

This disclaimer constitutes a general statement. Specific terms may vary depending on equipment brand, model, and regional differences. For queries regarding safe operation or

additional information, please consult the manufacturer or authorised representative. Use of this equipment constitutes your acknowledgement that you have read, understood, and accepted the terms of this disclaimer, and agree to assume all potential risks and liabilities associated with its operation.