

Airpura R600 W

Airpura R600-W Whole House True HEPA Air Purifier

USER MANUAL

1. Introduction

Thank you for choosing the Airpura R600-W Whole House True HEPA Air Purifier. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your air purification system. Please read this manual thoroughly before installation and use, and retain it for future reference.

The Airpura R600-W is designed to integrate with your existing HVAC system, providing comprehensive air filtration throughout your home. It features a robust 3-stage filtration system to effectively remove airborne particles, chemicals, and odors.

2. Important Safety Instructions

WARNING: To reduce the risk of fire, electric shock, or injury, observe the following safety precautions:

- Always disconnect power to the unit before performing any maintenance, cleaning, or filter replacement.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Do not operate any unit with a damaged cord or plug. If the power cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons to avoid a hazard.
- Do not use the unit near water or in wet conditions.
- Ensure the unit is installed by a qualified HVAC technician in accordance with all local and national electrical and building codes.
- Do not block air inlets or outlets. Maintain adequate clearance around the unit for proper airflow.
- Use only Airpura genuine replacement filters. Using non-genuine filters may void your warranty and compromise performance.

3. Product Overview

The Airpura R600-W is a whole-house air purification system designed for integration with your central heating, ventilation, and air conditioning (HVAC) system. It features a powerful 3-stage filtration process:

1. **Pre-Filter:** Captures larger particles such as dust, pet dander, and lint, extending the life of subsequent filters.
2. **Activated Carbon Filter:** Contains 18 lbs of activated carbon to absorb a wide range of chemicals, gases, and odors.
3. **True HEPA Filter:** Removes 99.97% of airborne particles as small as 0.3 microns, including allergens, mold spores, and fine dust.

Key features include variable speed control for customized airflow and low noise operation. The unit is effective for areas up to 2000 sq ft.



Figure 1: Airpura R600-W Whole House True HEPA Air Purifier. This image shows the exterior of the Airpura R600-W unit, typically a rectangular metal casing with air intake and exhaust ports.

4. Setup and Installation

The Airpura R600-W is designed for professional installation into your central HVAC system. It can be installed in one of two primary configurations:

- **Return Air Duct Installation:** The unit is installed on the return air duct of your HVAC system, filtering air before it enters the furnace/air handler.
- **Supply Air Duct Installation:** The unit is installed on the supply air duct, filtering air after it leaves the furnace/air handler and before it is distributed throughout the home.

Installation Steps (to be performed by a qualified technician):

1. **Site Selection:** Choose an appropriate location near the HVAC system, ensuring adequate space for maintenance and filter changes.
2. **Duct Modification:** Cut openings in the HVAC ductwork to accommodate the air purifier's intake and exhaust ports.
3. **Mounting:** Securely mount the Airpura R600-W unit to the ductwork using appropriate fasteners and sealing materials to prevent air leaks.
4. **Electrical Connection:** Connect the unit to a dedicated electrical circuit as per local codes. Ensure proper grounding.
5. **Testing:** After installation, test the HVAC system and air purifier to ensure proper operation and airflow.

Consult the detailed installation guide provided with the unit for specific diagrams and instructions, or contact a certified HVAC professional.

5. Operating Instructions

Once installed, the Airpura R600-W operates in conjunction with your HVAC system. The unit typically features a variable speed control to adjust the airflow and filtration intensity.

- **Power On/Off:** The unit's power switch is usually located on the control panel. Flip the switch to the 'ON' position to activate the air purifier.
- **Variable Speed Control:** Use the rotary knob or digital controls (depending on model variation) to adjust the fan speed.
 - *Low Speed:* Ideal for continuous operation and maintaining air quality.
 - *Medium Speed:* For moderate air quality concerns or when more rapid purification is desired.
 - *High Speed:* Use for severe air quality issues, such as strong odors or high allergen counts, for a limited period.
- **Continuous Operation:** For optimal air quality, it is recommended to operate the Airpura R600-W continuously, especially during periods when the HVAC system is running.

Refer to the control panel on your specific unit for exact button layouts and indicators.

6. Maintenance and Filter Replacement

Regular maintenance, particularly filter replacement, is crucial for the continued efficiency and performance of your Airpura R600-W. Always disconnect power before servicing the unit.

Filter Replacement Schedule:

- **Pre-Filter:** Replace every 12 months under normal use. Inspect monthly and clean as needed.
- **Activated Carbon Filter:** Replace every 24 months under normal use.

- **True HEPA Filter:** Replace every 3-5 years under normal use.

Filter lifespan can vary based on usage, air quality, and environmental factors.

Filter Replacement Procedure:

1. **Disconnect Power:** Turn off the air purifier and disconnect it from the main power supply.
2. **Access Filters:** Open the access panel on the unit. Refer to your unit's specific design for latch or screw locations.
3. **Remove Old Filters:** Carefully remove the old filters, starting with the pre-filter, then the carbon filter, and finally the HEPA filter. Dispose of used filters responsibly.
4. **Install New Filters:** Insert new Airpura genuine replacement filters in the reverse order of removal (HEPA first, then carbon, then pre-filter). Ensure they are seated correctly and securely.
5. **Close Panel & Restore Power:** Close and secure the access panel. Reconnect power to the unit.

Cleaning the Unit:

- Wipe the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Ensure air intake and exhaust vents are free from obstructions and dust buildup.

7. Troubleshooting

If you encounter issues with your Airpura R600-W, consult the following table before contacting customer support.

Problem	Possible Cause	Solution
Unit does not turn on	No power supply; Power switch off; Blown fuse/tripped breaker	Check power cord connection; Ensure power switch is ON; Check household fuse/breaker.
Reduced airflow	Clogged pre-filter; Blocked air intake/outlet; Fan malfunction	Inspect and clean/replace pre-filter; Clear any obstructions; Contact support if fan is faulty.
Unusual noise	Loose filter; Obstruction in fan; Unit not level	Ensure filters are properly seated; Check for foreign objects; Verify unit is on a stable, level surface.
Persistent odors	Saturated carbon filter; Source of odor still present	Replace activated carbon filter; Identify and remove odor source.

If the problem persists after attempting these solutions, please contact Airpura customer support.

8. Specifications

Feature	Detail
Model Number	R600 W
Brand	Airpura
Filter Type	True HEPA, Activated Carbon, Pre-Filter
Carbon Weight	18 lbs

Feature	Detail
Coverage Area	Up to 2000 sq ft
Power Source	Corded Electric
ASIN	B002AH3LCU

9. Warranty and Customer Support

Airpura products are manufactured to the highest quality standards and come with a limited warranty. Please refer to the warranty card included with your purchase for specific terms and conditions, including coverage duration and limitations.

For technical assistance, troubleshooting beyond this manual, or to purchase genuine replacement filters, please contact Airpura customer support:

- **Website:** www.airpura.com (for general information and contact details)
- **Contact Information:** Refer to the Airpura website or your product packaging for the most current customer service phone numbers and email addresses.

When contacting support, please have your model number (R600 W) and purchase date available.