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**ALDES 11033031**

# ALDES EasyHome Hygro Single Flow Humidity-Controlled VMC Kit Instruction Manual

Model: 11033031

## 1. INTRODUCTION

This instruction manual provides essential information for the safe and efficient installation, operation, and maintenance of your ALDES EasyHome Hygro Single Flow Humidity-Controlled Mechanical Ventilation Kit. Please read this manual thoroughly before beginning installation or use, and retain it for future reference.

The ALDES EasyHome Hygro system is designed to ensure optimal air quality in your home by continuously renewing the air and adapting the ventilation flow rates based on the humidity levels detected in wet rooms (kitchen, bathroom, toilet).

## 2. SAFETY INSTRUCTIONS

**Important:** Always observe the following safety precautions to prevent personal injury or damage to the product.

- Installation and maintenance must be performed by qualified personnel in accordance with local electrical and building codes.
- Disconnect the power supply before performing any work on the unit or its components.
- Ensure the electrical supply matches the specifications indicated on the product label.
- Do not block air inlets or outlets. Maintain proper airflow for efficient operation.
- Keep the unit away from sources of heat or flammable materials.
- 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.

## 3. PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with installation.



Image 1: ALDES EasyHome Hygro VMC Kit components. This image displays the central ventilation unit with multiple duct connections, along with three distinct humidity-controlled exhaust vents designed for different room types.

- 1 x ALDES EasyHome Hygro Central Ventilation Unit
- Humidity-controlled exhaust vents (quantity and types may vary based on specific kit configuration, typically including kitchen, bathroom, and toilet vents)
- Mounting accessories (screws, plugs)
- Instruction Manual (this document)

## 4. SETUP AND INSTALLATION

The installation process involves mounting the central unit, connecting the ductwork, installing the exhaust vents, and making electrical connections.

### 4.1. Central Unit Mounting

1. Choose a suitable location for the central unit, typically in an attic, utility room, or false ceiling, ensuring easy access

for maintenance.

2. Mount the unit securely to a solid structure using the provided mounting hardware. Ensure it is level to prevent vibration and noise.

## 4.2. Ductwork Connection

1. Connect the main exhaust duct from the central unit to the outside.
2. Connect the individual ducts from the humidity-controlled vents (kitchen, bathroom, toilet) to the corresponding inlets on the central unit.
3. Ensure all duct connections are airtight using appropriate clamps and sealing tape to prevent air leaks and maintain system efficiency.
4. Minimize bends and kinks in the ductwork to reduce airflow resistance.

## 4.3. Exhaust Vent Installation

1. Install the humidity-controlled exhaust vents in the designated wet rooms (kitchen, bathrooms, toilets).
2. Ensure the vents are securely fixed to the wall or ceiling and connected to their respective ducts.
3. The humidity sensors on the vents automatically adjust airflow based on room humidity.

## 4.4. Electrical Connection

1. Before making any electrical connections, ensure the main power supply is disconnected.
2. Connect the central unit to the main electrical supply (220V) according to the wiring diagram provided with the product and local electrical regulations.
3. The unit can be directly wired or connected via a switch, depending on the desired control method.
4. Once all connections are made, restore power and test the system.

## 5. OPERATING INSTRUCTIONS

The ALDES EasyHome Hygro VMC system operates automatically once installed and powered on.

- **Automatic Humidity Control:** The system continuously monitors humidity levels in the wet rooms via the integrated sensors in the exhaust vents. When humidity rises (e.g., during a shower or cooking), the vents automatically open further to increase airflow and extract moist air more rapidly. As humidity decreases, the vents close partially to reduce airflow, optimizing energy consumption.
- **Continuous Ventilation:** The central unit maintains a minimum continuous airflow to ensure constant air renewal throughout the dwelling, even when humidity levels are low.
- **Manual Boost (if applicable):** Some kitchen vents may include a manual boost function (e.g., a pull cord or switch) to temporarily increase airflow for intense cooking odors or steam. Refer to the specific vent instructions for details.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your VMC system.

### 6.1. Exhaust Vents Cleaning (Every 6-12 months)

1. Disconnect power to the VMC unit before cleaning.
2. Carefully remove the cover of each exhaust vent.
3. Clean the vent grilles and the humidity sensor mechanism with a soft, damp cloth. Do not use abrasive cleaners or immerse the vents in water.
4. Ensure the humidity sensor is free from dust and debris for accurate operation.

5. Reattach the vent covers securely.

## 6.2. Central Unit Inspection (Annually)

1. Disconnect power to the VMC unit.
2. Inspect the central unit for any visible dust accumulation. If accessible, gently vacuum any dust from the exterior.
3. Check duct connections for any signs of leaks or disconnections.
4. Ensure the fan operates smoothly and quietly when power is restored. If unusual noises are heard, consult a qualified technician.

## 7. TROUBLESHOOTING

Refer to the table below for common issues and their potential solutions.

Problem	Possible Cause	Solution
No airflow or very weak airflow	<ul style="list-style-type: none"><li>◦ Power supply disconnected</li><li>◦ Blocked ducts or vents</li><li>◦ Fan motor failure</li></ul>	<ul style="list-style-type: none"><li>◦ Check electrical connection and circuit breaker.</li><li>◦ Inspect and clean ducts and vents.</li><li>◦ Contact a qualified technician.</li></ul>
Excessive noise from the unit	<ul style="list-style-type: none"><li>◦ Loose mounting</li><li>◦ Ductwork vibration</li><li>◦ Fan imbalance or bearing wear</li></ul>	<ul style="list-style-type: none"><li>◦ Ensure unit is securely mounted.</li><li>◦ Check duct connections and add insulation if necessary.</li><li>◦ Contact a qualified technician.</li></ul>
Vents not opening/closing properly	<ul style="list-style-type: none"><li>◦ Humidity sensor blocked or dirty</li><li>◦ Mechanical obstruction</li></ul>	<ul style="list-style-type: none"><li>◦ Clean the humidity sensor and vent mechanism.</li><li>◦ Check for any physical obstructions.</li></ul>

## 8. SPECIFICATIONS

Feature	Detail
Brand	ALDES
Model Number	11033031
Product Dimensions (L x W x H)	29.4 x 34.3 x 28.4 cm
Product Weight	5.7 Kilograms
Material	Plastic
Type	Single Flow Humidity-Controlled VMC
Power Requirement	220V (standard electrical connection)

## 9. WARRANTY AND SUPPORT

For warranty information, technical support, or to inquire about spare parts, please contact your ALDES retailer or visit the

official ALDES website. Keep your proof of purchase for warranty claims.

*Note: Availability of spare parts is currently unavailable as per product information.*

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