

Fantini Cosmi AP19979

Fantini Cosmi AP19979 Air Ecomcomfort Heat Recovery Unit

Model: **AP19979** | Brand: **Fantini Cosmi**

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of the Fantini Cosmi AP19979 Air Ecomcomfort Heat Recovery Unit. The AP19979 is a compact, decentralized ventilation and extraction unit designed for continuous air exchange with high-efficiency heat recovery in single rooms.

Important Note: The AP19979 is a **slave unit**. It is supplied **without a control unit and without a transformer**. For correct operation, this unit must be combined with a separate master control unit, such as the Fantini Cosmi AP19980 kit, which provides the necessary control electronics and power supply.

2. PRODUCT OVERVIEW

The Fantini Cosmi AP19979 operates on the principle of regenerative heat recovery. A ceramic heat exchanger inside the device accumulates heat from the outgoing air and transfers it to the incoming fresh air when the airflow direction reverses. This process ensures efficient heat recovery, reducing energy consumption.

The unit features a DC Brushless motor that enables reversible airflow, facilitating continuous air exchange between the indoor and outdoor environments. Air is constantly filtered through an easily removable G3 filter located on the front of the appliance, ensuring clean air circulation.

Key Features:

- High-efficiency ceramic heat exchanger (up to 90% efficiency).
- 160 mm diameter for optimal airflow.
- External expansion grille for internal mounting.
- White finish.



Figure 1: Fantini Cosmi AP19979 Air Ecocomfort Heat Recovery Unit, showing the main unit and a remote control (remote not included with this slave unit).

3. IMPORTANT SAFETY INFORMATION

Please read all safety instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or personal injury.

- **Electrical Safety:** Installation and electrical connections must be performed by a qualified electrician in accordance with local electrical codes and regulations. Ensure the power supply is disconnected before any installation or maintenance work.
- **Product Use:** This unit is designed for ventilation and heat recovery in residential or similar environments. Do not use it for purposes other than its intended use.
- **Airflow Obstruction:** Do not obstruct the air intake or exhaust grilles. Ensure proper clearance around the unit for optimal performance and safety.
- **Children and Vulnerable Persons:** Keep the unit out of reach of children and individuals with reduced physical, sensory, or mental capabilities unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- **Cleaning:** Always disconnect power before cleaning. Use only recommended cleaning methods and materials.

4. PACKAGE CONTENTS

The Fantini Cosmi AP19979 package typically includes:

- 1 x Fantini Cosmi AP19979 Ventilating Unit with Heat Recovery
- 1 x External Grille
- 1 x Power Cord (for the unit itself, not including transformer)
- Instruction Manual (this document)

Please note: The master control unit (e.g., AP19980) and transformer are **not included** with this AP19979 slave unit and must be purchased separately for full functionality.

5. SETUP AND INSTALLATION

Installation of the Fantini Cosmi AP19979 unit should be carried out by a qualified professional to ensure proper functioning and compliance with safety standards.

5.1 Prerequisites

- A suitable wall opening with a diameter of 160 mm.
- A 230V AC power supply point.
- A Fantini Cosmi master control unit (e.g., AP19980) and its associated transformer.

5.2 Mounting the Unit

1. Prepare the wall opening according to the unit's dimensions (160 mm diameter).
2. Insert the main body of the ventilating unit into the prepared opening.
3. Secure the unit firmly to the wall using appropriate fasteners.
4. Install the external expansion grille on the exterior side of the wall, ensuring it is properly seated and sealed.

5.3 Electrical Connection

Connect the unit's power cord to the transformer of the master control unit. The master control unit will then be connected to the 230V AC mains supply. Ensure all connections are secure and insulated. Refer to the master control unit's manual for specific wiring diagrams and instructions.

5.4 Pairing with Master Control Unit

The AP19979 slave unit communicates with the master control unit (e.g., AP19980). A single master control unit can manage up to four ventilating units in combined mode. Follow the instructions provided with your master control unit for pairing and configuration.

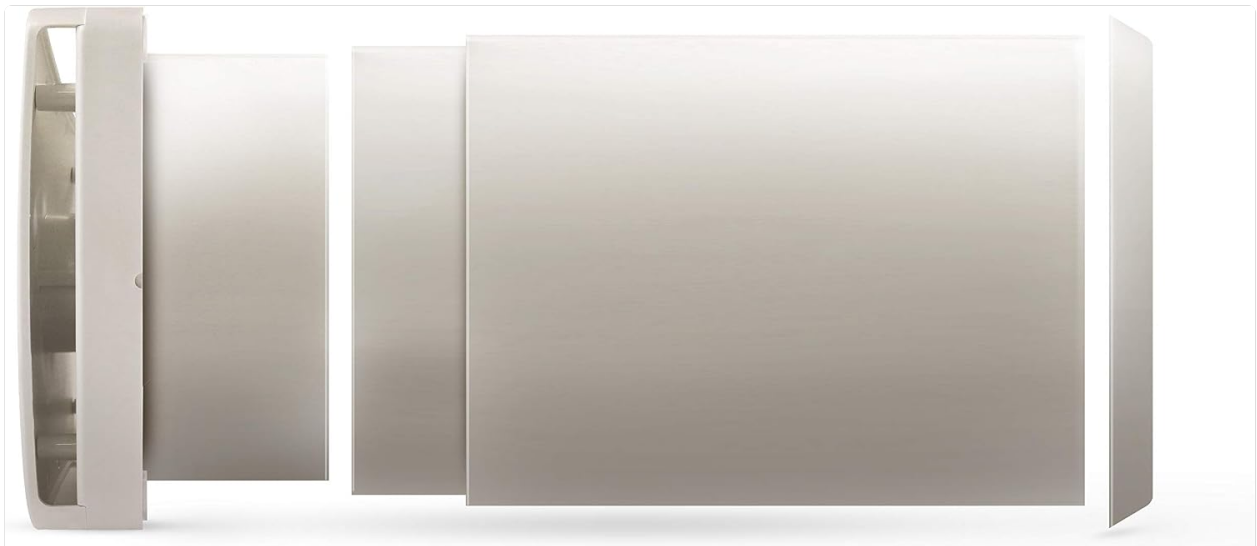


Figure 2: Fantini Cosmi AP19979 Air Ecomcomfort Heat Recovery Unit, showing an example of a wall-mounted installation.

6. OPERATING INSTRUCTIONS

The Fantini Cosmi AP19979 unit is controlled entirely by its associated wall-mounted electronic master control unit (e.g., AP19980). Refer to the master control unit's instruction manual for detailed operating procedures.

6.1 Operating Modes

The master control unit typically offers three operating modes:

- **Automatic Mode:** The unit automatically adjusts its operation based on internal and external temperature differences to optimize heat recovery and air exchange.
- **Air Intake Mode:** The unit primarily focuses on drawing fresh air into the room.
- **Air Extraction Mode:** The unit primarily focuses on expelling stale air from the room.

6.2 Speed Control

The master control unit allows for adjustment of the fan speed, typically offering 2 speeds for air extraction or intake, to suit different ventilation requirements.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Fantini Cosmi AP19979 unit.

7.1 Filter Cleaning

The G3 air filter, located on the front of the unit, should be cleaned regularly (e.g., monthly, or as needed depending on air quality) to maintain efficient airflow and filtration.

1. Disconnect the power supply to the unit at the master control unit or circuit breaker.
2. Carefully remove the front cover of the unit.
3. Extract the G3 filter.
4. Clean the filter by gently vacuuming it or washing it with lukewarm water and mild soap. Allow it to dry completely before reinstallation.
5. Reinsert the clean, dry filter and replace the front cover.
6. Restore power to the unit.

7.2 General Cleaning

Periodically clean the exterior surfaces of the unit with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish.

8. TROUBLESHOOTING

If you encounter issues with your Fantini Cosmi AP19979 unit, refer to the following troubleshooting guide. For more complex problems, consult a qualified technician or the master control unit's manual.

- **Unit not operating:**
 - Ensure the master control unit (e.g., AP19980) is powered on and functioning correctly.
 - Check all electrical connections for security.

- Verify that the unit is correctly paired and communicating with the master control unit.
- **Reduced airflow or efficiency:**
 - Clean the G3 air filter as described in the Maintenance section.
 - Check for any obstructions in the air ducts or grilles.
- **Unusual noise during operation:**
 - Ensure the unit is securely mounted to the wall.
 - Check for any loose components inside the unit (after disconnecting power).

9. SPECIFICATIONS

Manufacturer	Fantini Cosmi
Model Number	AP19979
Dimensions (L x W x H)	49 x 31 x 18 cm
Weight	4.08 kg
Diameter	160 mm
Color	White
Style	Slave Unit
Power Type	AC
Voltage	230 Volts
Sound Level	41 Decibels
Number of Speeds	2
Mounting Type	Wall Mount
Heat Recovery Efficiency	Up to 90%
Filter Type	G3

10. WARRANTY AND SUPPORT

For warranty information, technical support, or spare parts availability, please contact your retailer or the Fantini Cosmi customer service department. Keep your purchase receipt as proof of purchase.