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Fantini Cosmi AP19992

Fantini Cosmi ASPIRVELO AIR ECOCOMFORT 2.0 Smart User Manual

Model: AP19992



1. PRODUCT OVERVIEW

The Fantini Cosmi ASPIRVELO AIR ECOCOMFORT 2.0 Smart (Model AP19992) is a state-of-the-art decentralized ventilation and suction unit designed for optimal indoor air quality and energy efficiency. It features a highly efficient regenerative ceramic heat exchanger, capable of recovering up to 90% of heat, making it ideal for maintaining comfortable indoor temperatures while ensuring continuous air exchange. This unit is equipped with advanced sensors for air flow temperature, ambient temperature, relative humidity, luminosity, and indoor air quality (VOC), allowing for intelligent and adaptive operation. Its low noise level and facade insulation capabilities contribute to a quiet and comfortable living environment.



Image: The ECOCOMFORT 2.0 Smart unit, showcasing its modern design and connectivity with a smartphone application.



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reddot winner 2021



Image: Front and top views of the ECOCOMFORT 2.0 Smart unit, highlighting its compact and award-winning design.

2. SAFETY INFORMATION

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

- **Electrical Safety:** Ensure the unit is connected to a properly grounded electrical outlet. Disconnect power before performing any maintenance or cleaning.
- **Installation:** Installation must be performed by qualified personnel in accordance with local electrical and building codes. Do not install the unit in areas with excessive moisture or direct water exposure.
- **Operation:** Do not block the air inlets or outlets. Keep children and pets away from the unit during operation.
- **Maintenance:** Use only genuine Fantini Cosmi replacement parts. Do not attempt to repair the unit yourself. Contact qualified service personnel for repairs.
- **Cleaning:** Use a soft, dry cloth for cleaning the exterior. Do not use abrasive cleaners or solvents.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- Fantini Cosmi ASPIRVELO AIR ECOCOMFORT 2.0 Smart Unit (AP19992)
- External foldable grille
- Telescopic tube
- Filter cartridge
- Electronic unit
- Mounting hardware (screws, anchors)
- User Manual (this document)

4. SETUP AND INSTALLATION

The ECOCOMFORT 2.0 Smart unit is designed for wall or ceiling mounting. Ensure the installation location allows for proper air circulation and access for maintenance.





Image: The ECOCOMFORT 2.0 Smart unit shown mounted on a wall and a side view illustrating its telescopic design for installation.

4.1. Site Preparation

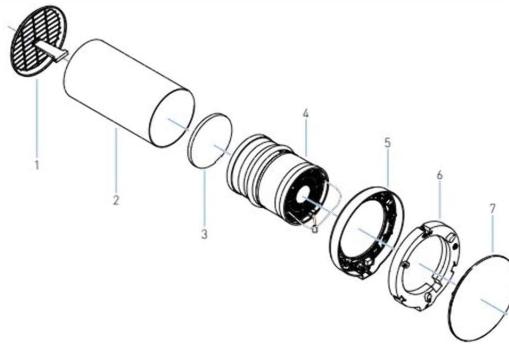
1. Choose a suitable location on an exterior wall, away from direct heat sources or obstructions.
2. Ensure the wall thickness is compatible with the telescopic tube.
3. Drill a circular opening with a nominal diameter of 160 mm through the wall.

4.2. Unit Assembly and Mounting

1. Insert the telescopic tube into the prepared wall opening.
2. Attach the external foldable grille to the exterior end of the telescopic tube.
3. Connect the electronic unit to the interior end of the telescopic tube, ensuring all electrical connections are secure and conform to local regulations.
4. Mount the main unit housing to the wall using the provided mounting hardware. Ensure it is level and securely fastened.
5. Install the filter cartridge into its designated slot within the unit.
6. Secure the cover to the unit.

5. OPERATING INSTRUCTIONS

The ECOCOMFORT 2.0 Smart unit can be controlled via its integrated controls or through the dedicated smartphone application, Fantini Cosmi Intelliclima+.



1. Griglia esterna pieghevole
2. Tubo telescopico
3. Filtro
4. Cartuccia
5. Unita elettronica
6. Copertina unita elettronica
7. Copertina

Image: The Fantini Cosmi Intelliclima+ smartphone application, used for controlling the ECOCOMFORT 2.0 Smart unit.

5.1. Initial Power-On

1. After installation, restore power to the unit.
2. The unit will perform a self-test. Refer to the LED indicators for status.

5.2. Connecting to the Intelliclima+ App

1. Download the "Intelliclima+" app from your smartphone's app store (available on Google Play and Apple App Store).
2. Follow the in-app instructions to register an account and add your ECOCOMFORT 2.0 Smart unit. This typically involves connecting to the unit's Wi-Fi network during setup.
3. Once connected, you can control the unit remotely and access advanced features.

5.3. Operating Modes

The unit offers various operating modes to suit different needs:

- **Automatic Mode:** The unit intelligently adjusts ventilation based on sensor readings (temperature, humidity, VOC, luminosity) to maintain optimal indoor air quality and comfort.
- **Manual Mode:** Allows users to manually set fan speed and direction (inflow/outflow).
- **Sleep Mode:** Operates at a reduced fan speed for quieter operation during nighttime hours.
- **Boost Mode:** Provides maximum ventilation for rapid air exchange when needed.
- **Dehumidification:** Utilizes sensors to manage indoor humidity levels.

Refer to the Intelliclima+ app for detailed control options and scheduling features.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your ECOCOMFORT 2.0 Smart unit.

Dimensioni (mm)	A	A1	B	C	D	E	F
ECOCOMFORT 2.0 SMART	230	250	162	530	55	20	190

Image: Exploded view of the ECOCOMFORT 2.0 Smart unit, showing its internal components for maintenance reference.

1. External foldable grille
2. Telescopic tube
3. Filter
4. Cartridge
5. Electronic unit
6. Electronic unit cover
7. Cover

6.1. Filter Cleaning and Replacement

The unit's filter should be cleaned regularly and replaced periodically to maintain air quality and unit efficiency. The app may provide notifications for filter maintenance.

1. Disconnect power to the unit before proceeding.
2. Carefully remove the front cover of the unit.
3. Locate and remove the filter cartridge.
4. Clean the filter using a vacuum cleaner or by gently rinsing with water (if washable, refer to filter type). Allow it to dry completely before reinstallation.
5. If the filter is damaged or excessively dirty, replace it with a genuine Fantini Cosmi replacement filter.
6. Reinstall the clean/new filter and secure the front cover.
7. Restore power to the unit.

6.2. Exterior Cleaning

Wipe the exterior surfaces of the unit with a soft, damp cloth. Do not use harsh chemicals or abrasive materials.

7. TROUBLESHOOTING

If you encounter issues with your ECOCOMFORT 2.0 Smart unit, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Unit does not power on	No power supply; Unit not properly connected.	Check power outlet and circuit breaker. Ensure all electrical connections are secure.
Poor air circulation / Low efficiency	Clogged filter; Blocked air inlets/outlets.	Clean or replace the filter. Ensure no obstructions are blocking the unit's vents.
Unit is noisy	Loose components; Fan obstruction; Incorrect installation.	Check for loose parts. Ensure nothing is interfering with the fan blades. Verify proper installation.
App connectivity issues	Wi-Fi signal weak; Incorrect app setup; Unit not in pairing mode.	Ensure strong Wi-Fi signal. Re-attempt app pairing process. Restart unit and router.
Red LED blinking (filter warning)	Filter needs cleaning or replacement; Filter counter not reset.	Clean or replace the filter. Reset the filter counter via the app or unit controls after maintenance.

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

8. SPECIFICATIONS

Technical specifications for the Fantini Cosmi ASPIRVELO AIR ECOCOMFORT 2.0 Smart (AP19992):

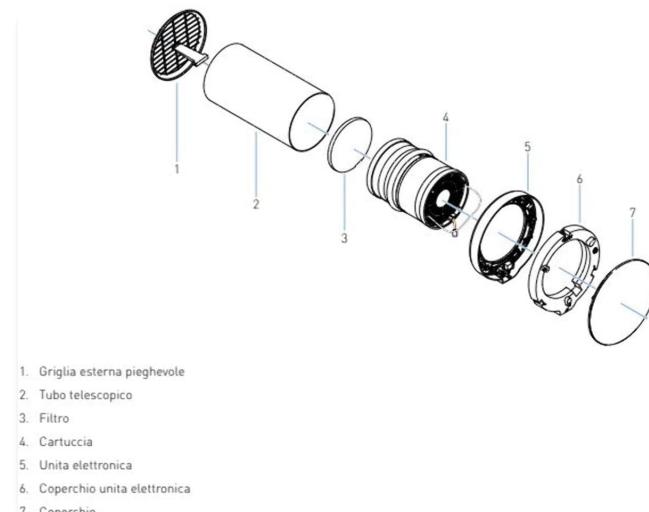


Image: Dimensional drawing of the ECOCOMFORT 2.0 Smart unit, with key measurements in millimeters.

Feature	Detail
Model Number	AP19992
Nominal Diameter	160 mm

Feature	Detail
Dimensions (L x W x H)	50 x 50 x 28 cm
Weight	3 kg
Voltage	240 Volts (AC)
Power	3516 Watts
Noise Level	40 dB
Heat Recovery Efficiency	Up to 90%
Sensor Types	Air flow temperature, Ambient temperature, Relative humidity, Luminosity, Indoor Air Quality (VOC)
Recommended Room Size	Up to 36 m ²
Installation Type	Integrated (Wall/Ceiling Mount)
Special Features	Dehumidifier function, Smart control via app
Certification	CE Certified

9. WARRANTY AND SUPPORT

Fantini Cosmi products are manufactured to high-quality standards. For warranty information, please refer to the warranty card included with your product or visit the official Fantini Cosmi website. Keep your proof of purchase for warranty claims.

9.1. Customer Support

For technical assistance, troubleshooting beyond this manual, or spare parts, please contact Fantini Cosmi customer support through their official website or the contact information provided in your product documentation.

Note: Information regarding spare parts availability may vary.

  <small>AP1000 ECOCOMFORT PLUS 100 AP1000 ECOCOMFORT PLUS 80</small> <small>VMC INFLATRICE PARZIALE CON RECUPERO DI CALORE RECUPERATORE DI CALORE</small> <small>RECUPERATORE DI CALORE CON APP RECUPERATORE DI CALORE</small>	<p>ECOCOMFORT PLUS</p> <p>Fantini Cosmi ECOCOMFORT PLUS Decentralized Heat Recovery Unit - Installation and Use Manual</p> <p>Comprehensive guide for installing and using the Fantini Cosmi ECOCOMFORT PLUS Series decentralized heat recovery unit, covering technical specifications, operation, maintenance, and troubleshooting.</p>
  <small>VMC INFLATRICE CON RECUPERO DI CALORE RECUPERATORE DI CALORE</small> <small>RECUPERATORE DI CALORE CON APP RECUPERATORE DI CALORE</small>	<p>ECOCOMFORT 3</p> <p>ECOCOMFORT 3: Smart Heat Recovery Ventilation Unit by Fantini Cosmi Features & Specifications</p> <p>Discover the ECOCOMFORT 3, an advanced single-room heat recovery ventilation unit from Fantini Cosmi. Featuring smart connectivity, air quality sensors, high-efficiency heat exchange, and easy installation for improved indoor comfort and air quality.</p>
  <small>VMC INFLATRICE CON RECUPERO DI CALORE RECUPERATORE DI CALORE</small> <small>RECUPERATORE DI CALORE CON APP RECUPERATORE DI CALORE</small>	<p>ECOCOMFORT 3</p> <p>Fantini Cosmi ECOCOMFORT 3 Single-Room MVHR Installation and Use Manual</p> <p>Comprehensive guide for installing and using the Fantini Cosmi ECOCOMFORT 3 single-room MVHR unit, featuring heat recovery, app control, and advanced sensors for optimal indoor air quality.</p>
  <small>VMC INFLATRICE CON SANITIZZAZIONE ARIA E RECUPERO DI CALORE RECUPERATORE DI CALORE CON SANITIZZAZIONE ARIA</small>	<p>RHINOCOMFORT 3</p> <p>Fantini Cosmi RHINOCOMFORT 3: Installation and Operation Manual</p> <p>Comprehensive manual for the Fantini Cosmi RHINOCOMFORT 3 ventilation unit with heat recovery and air sanitization, covering installation, operation, maintenance, and troubleshooting. This guide details setup, usage via the Intelliclima+ app, and technical specifications.</p>
  <small>VMC INFLATRICE CON SANITIZZAZIONE ARIA RECUPERATORE DI CALORE CON SANITIZZAZIONE ARIA</small>	<p>RHINOCOMFORT 3</p> <p>Fantini Cosmi RHINOCOMFORT 3: Smart MVHR with Air Sanitization</p> <p>Discover the Fantini Cosmi RHINOCOMFORT 3, a single-room mechanical ventilation unit with heat recovery (MVHR) and advanced air sanitization. Learn about its smart features, energy efficiency, and installation for optimal indoor air quality.</p>
  <small>VMC INFLATRICE CON RECUPERO DI CALORE E SANIFICAZIONE ARIA RECUPERATORE DI CALORE CON SANIFICAZIONE ARIA</small>	<p>RHINOCOMFORT 3</p> <p>Fantini Cosmi RHINOCOMFORT 3: Smart Heat Recovery Ventilation with Air Purification</p> <p>Discover the Fantini Cosmi RHINOCOMFORT 3, a single-room heat recovery ventilation unit featuring advanced air purification, smart sensor technology, WiFi/Bluetooth connectivity, and energy efficiency for optimal indoor comfort.</p>