

[Manuals.plus](#) /

› [Europlast](#) /

› Europlast Ø 100mm Ventilation Grille with Rain and Wind Protection - White ABS Plastic Instruction Manual

## Europlast Cosera

# Europlast Ø 100mm Ventilation Grille with Rain and Wind Protection - White ABS Plastic

Model: Cosera

[Product Overview](#)

[Safety Information](#)

[Package Contents](#)

[Setup](#)

[Operation](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Warranty & Support](#)

## 1. PRODUCT OVERVIEW

The Europlast Ø 100mm Ventilation Grille is designed to protect outdoor air exhaust systems from rain and wind. Constructed from durable ABS plastic, it features an integrated anti-return flap to prevent unwanted airflow back into the interior. This grille is suitable for various outdoor applications, including garden sheds, greenhouses, and exhaust systems for bathrooms, dryers, and kitchen hoods.



Figure 1: Front view of the Europlast Ø 100mm Ventilation Grille in white.

### Key Features:

- **Circular Connection:** Equipped with a Ø 100mm circular fitting for secure and efficient connection to ventilation ducts.
- **Durable Construction:** Made from UV-resistant ABS plastic, designed to withstand extreme temperatures and humidity.
- **Outdoor Protection:** Specifically designed for outdoor use, providing protection against rain and wind.
- **Integrated Anti-Return Flap:** Prevents reverse airflow, minimizing odors and drafts from entering the building.
- **Versatile Application:** Ideal for garden sheds, greenhouses, bathroom exhaust fans, clothes dryers, kitchen hoods, and hydroponic systems.

## 2. SAFETY INFORMATION

Please read all safety instructions before installation and use. Failure to follow these instructions may result in property damage or injury.

- **Installation Location:** Do not mount the product on the weather-exposed side of a building where it would be directly subjected to severe weather conditions. Choose a sheltered outdoor location.

- **Professional Installation:** If you are unsure about any part of the installation process, consult a qualified professional.
- **Secure Mounting:** Ensure the grille is securely fastened to the wall using appropriate screws or adhesive to prevent it from dislodging.
- **Clearance:** Ensure the anti-return flap has sufficient clearance to open and close freely. Do not obstruct its movement.
- **Material Compatibility:** This grille is made of ABS plastic. Avoid using harsh chemicals or abrasive cleaners that could damage the material.

### 3. PACKAGE CONTENTS

---

The Europlast Ø 100mm Ventilation Grille package typically includes:

- 1 x Europlast Ø 100mm Ventilation Grille with integrated anti-return flap.

*Note: Mounting hardware (screws, adhesive) is not included and must be purchased separately.*

### 4. SETUP AND INSTALLATION

---

The installation of the Europlast ventilation grille is straightforward. Follow these steps for proper mounting:

1. **Choose Location:** Select an outdoor wall location that is protected from direct, severe weather exposure. Ensure the chosen spot allows for proper airflow and drainage.
2. **Prepare Opening:** Ensure there is a circular opening in the wall with a diameter of approximately 100mm to accommodate the grille's connection spigot. The opening should be clean and free of debris.
3. **Position Grille:** Place the grille against the wall, aligning its circular spigot with the wall opening. Ensure the grille is level and positioned correctly for optimal rain and wind protection. The louvered section should generally face downwards to allow water to drain.
4. **Mark Mounting Points:** Use a pencil to mark the positions for drilling screw holes through the designated mounting points on the grille's frame.
5. **Drill Holes:** Remove the grille and drill pilot holes at the marked positions. Use a drill bit appropriate for your wall material (e.g., masonry bit for brick/concrete, wood bit for timber).
6. **Secure Grille:**
  - **Screw Mounting:** Insert appropriate screws (not supplied) through the grille's mounting holes and into the wall, securing it firmly. Use wall plugs if necessary for masonry.
  - **Adhesive Mounting:** Apply a suitable outdoor-grade construction adhesive (not supplied) to the back of the grille's frame. Press the grille firmly against the wall and hold until the adhesive sets, or use temporary supports if needed.
7. **Check Flap Operation:** After installation, gently push the anti-return flap to ensure it moves freely and closes completely when not in use.

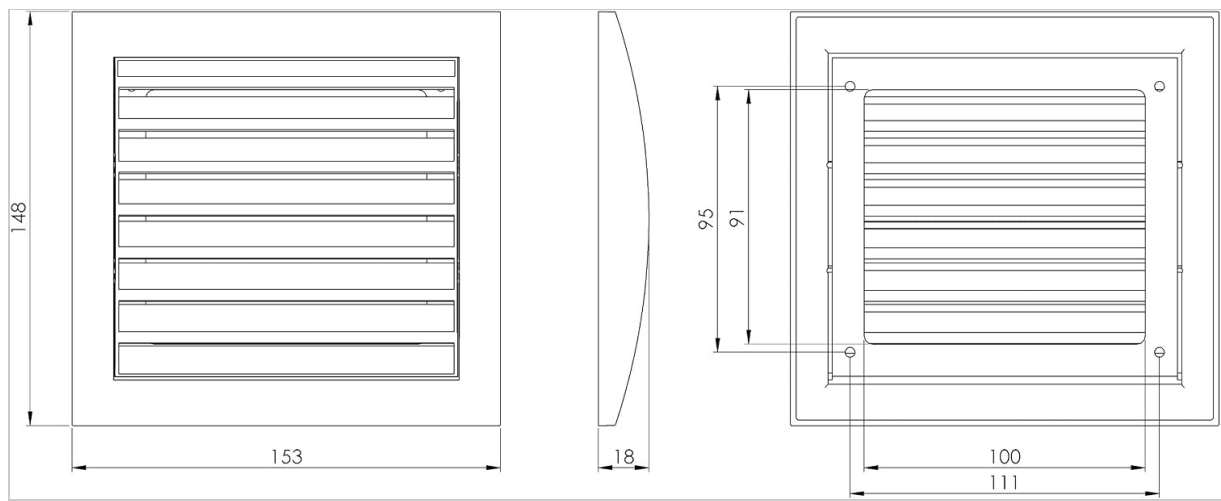


Figure 2: Technical diagram showing dimensions for installation (all measurements in millimeters).



Figure 3: Side view illustrating the grille's profile and the integrated anti-return flap.

## 5. OPERATION

The Europlast ventilation grille operates passively and automatically.

- **Air Exhaust:** When an exhaust fan or system connected to the grille is active, the airflow pushes the integrated anti-return flap open, allowing air to exit the building.

- **Flap Closure:** When the exhaust system is turned off, the anti-return flap closes automatically due to gravity. This prevents cold air, drafts, insects, and odors from entering the building through the ductwork.
- **Weather Protection:** The louvered design and the grille's overall structure provide protection against rain and wind, ensuring that external elements do not directly enter the ventilation system.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your ventilation grille.

- **Cleaning:** Periodically inspect the grille for dirt, dust, or debris accumulation. Clean the exterior surface with a soft cloth and mild soapy water. Avoid abrasive cleaners or solvents.
- **Flap Inspection:** Check the anti-return flap regularly to ensure it moves freely and is not obstructed by debris (e.g., leaves, insects). Gently remove any obstructions.
- **Structural Integrity:** Inspect the grille for any signs of damage, cracks, or loose mounting. Address any issues promptly to maintain its protective function.

## 7. TROUBLESHOOTING

| Problem                                     | Possible Cause                                                             | Solution                                                                                                       |
|---------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Anti-return flap does not close completely. | Debris (leaves, insects) obstructing the flap.                             | Carefully remove any obstructions from the flap mechanism.                                                     |
| Reduced airflow through the grille.         | Accumulation of dirt or debris on the grille louvers or inside the duct.   | Clean the grille exterior. Check the ductwork for blockages.                                                   |
| Grille appears loose on the wall.           | Mounting screws are loose or adhesive has failed.                          | Tighten screws or re-secure with appropriate outdoor adhesive.                                                 |
| Water ingress around the grille.            | Improper sealing during installation or mounting on a highly exposed side. | Check sealant around the grille. Ensure installation is not on the weather-exposed side. Re-seal if necessary. |

## 8. SPECIFICATIONS

| Feature                        | Detail                                                                                      |
|--------------------------------|---------------------------------------------------------------------------------------------|
| Model Number                   | Cosera                                                                                      |
| Brand                          | Europlast                                                                                   |
| Material                       | ABS Plastic                                                                                 |
| Color                          | White                                                                                       |
| Connection Diameter            | Ø 100mm                                                                                     |
| Overall Dimensions (L x W x H) | 14.8 x 15.3 x 8.5 cm (approx. 148 x 153 x 85 mm)                                            |
| Features                       | Rain and wind protection, integrated anti-return flap, UV resistant, temperature resistant. |
| Country of Origin              | Latvia                                                                                      |

## 9. WARRANTY AND SUPPORT

---

For warranty information or technical support regarding your Europlast ventilation grille, please contact the manufacturer directly or refer to the retailer's return policy.

*Note: Specific warranty terms may vary by region and retailer. Please retain your proof of purchase.*