Awenta KO150-30

Awenta Ducting Cowled Gravity Flap KO150-30: 6-Inch Air Vent Grille Instruction Manual

Model: KO150-30 | Brand: Awenta

Introduction and Overview

The Awenta Ducting Cowled Gravity Flap KO150-30 is a 6-inch (150mm) ventilation grille designed for external closure of ventilation ducts, such as those for dryer hoods or cooker hoods. Constructed from durable, UV-resistant ABS plastic, this white vent grille features a gravity flap and a non-return valve (backdraft shutter) to ensure efficient airflow while preventing unwanted elements from entering your home.

Key Features:

- **Effective Protection:** Helps prevent rain, wind, snow, and pests from entering outdoor dryer vents.
- **Gravity Flap:** Features a one-direction gravity flap for optimal airflow and backdraft prevention.
- **Durable Construction:** Made from high-quality, UV-resistant ABS plastic, ensuring longevity and environmental friendliness.
- **Easy Installation:** Designed for straightforward installation with included screws.
- **Optimal Design:** The cowled design provides enhanced weather protection.



Figure 1: Front view of the Awenta Ducting Cowled Gravity Flap KO150-30, showing the cowled design and grille.

Setup and Installation

Before installation, ensure you have the correct size vent for your ductwork. This model is designed for 6-inch (150mm) diameter ducts. The package includes the vent grille and screws for mounting.

Installation Steps:

1. **Prepare the Opening:** If replacing an old vent, carefully remove it. Ensure the wall opening is clean and clear of debris. Measure the diameter of your existing duct to confirm it matches the 6-inch (150mm) flange of the KO150-30.
2. **Insert the Vent:** Gently insert the circular flange of the new vent into the duct opening. Ensure it sits flush against the exterior wall.
3. **Mark and Drill:** Once the vent is properly positioned, mark the locations for the mounting screws through the pre-drilled holes on the vent's frame. Remove the vent and drill pilot holes if necessary, especially for masonry or brick walls.
4. **Secure the Vent:** Re-position the vent and secure it to the wall using the provided screws. Tighten them

firmly but do not overtighten to avoid damaging the plastic.

5. **Seal the Edges (Optional but Recommended):** For enhanced weather sealing and energy efficiency, apply a bead of exterior-grade silicone sealant around the perimeter of the vent where it meets the wall. Smooth the sealant for a clean finish.



Figure 2: Back view of the vent, illustrating the circular duct connection.

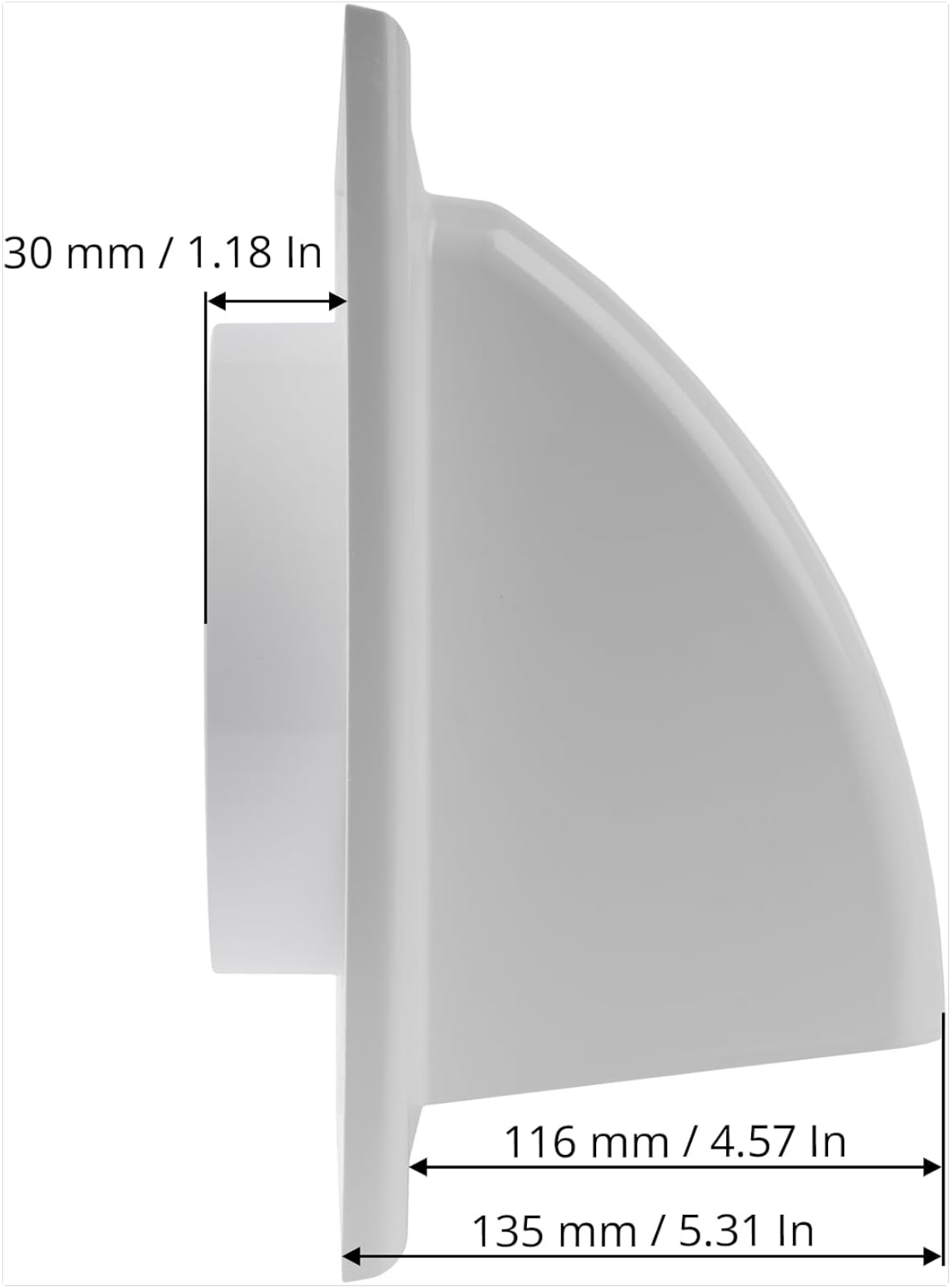


Figure 3: Front dimensional view, showing the 150mm (5.9 inch) duct diameter and 250mm (9.8 inch) external dimensions.



Figure 4: Side dimensional view, indicating the depth and cowl projection.

Installation Video Reference:

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Video 1: This video demonstrates the installation process for a similar cowled dryer vent. While the material in the video is metal, the installation steps for securing the vent to the wall and connecting to ductwork are applicable.

Operating Instructions

The Awenta Ducting Cowled Gravity Flap KO150-30 operates automatically based on airflow. When your dryer or cooker hood is active, the exhaust air pressure will push the gravity flap open, allowing air to exit. When the appliance is off, the gravity flap will close, preventing outside air, rain, wind, snow, and pests from entering the

ductwork.



Figure 5: Top-down view showing the gravity flap in its closed position, providing protection.

Operation Video Reference:

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Video 2: This video illustrates the opening and closing mechanism of a similar cowled exhaust vent. Observe how the flap responds to airflow.

Maintenance

Regular maintenance ensures optimal performance and longevity of your Awenta Ducting Cowled Gravity Flap KO150-30. Inspect the vent periodically, especially after severe weather conditions.

Cleaning and Inspection:

- **External Cleaning:** Wipe the exterior of the vent with a damp cloth to remove dust, dirt, or grime. Avoid abrasive cleaners that could damage the plastic.
- **Inspect the Grille:** Check the protective grille for any accumulated lint, leaves, or other debris. Carefully remove any obstructions to ensure unrestricted airflow.
- **Check the Gravity Flap:** Ensure the gravity flap moves freely and closes completely when there is no airflow. If it sticks, gently clean around the hinge area and remove any buildup.
- **Sealant Inspection:** Periodically check the sealant around the vent's perimeter for cracks or deterioration. Reapply sealant as needed to maintain a watertight seal.

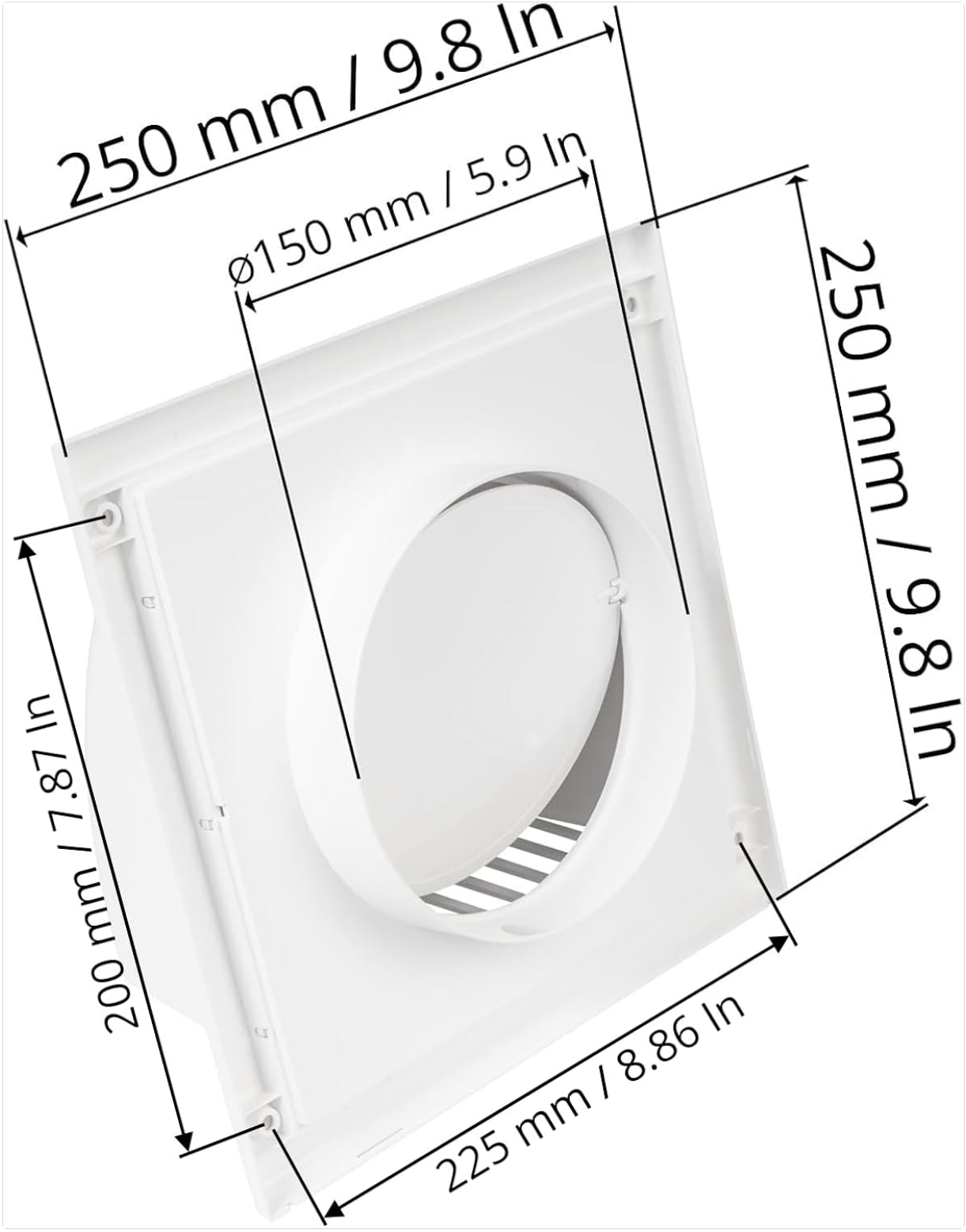


Figure 6: Exploded view of the vent, showing the main components for easier understanding of maintenance points.

Troubleshooting

If you encounter issues with your Awenta Ducting Cowled Gravity Flap KO150-30, refer to the following common problems and solutions:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Flap does not open fully or remains partially closed.	Obstruction (lint, debris) around the flap or hinge. Insufficient airflow from the appliance.	Clean any debris from the grille and around the flap. Ensure the appliance (dryer/hood) is operating correctly and producing adequate airflow.
Flap does not close completely.	Debris lodged in the closing mechanism. Damaged flap or hinge.	Remove any debris preventing the flap from closing. Inspect for physical damage; if damaged, replacement may be necessary.
Water or pests entering the duct.	Improper installation or damaged sealant. Flap not closing properly.	Check the sealant around the vent and reapply if needed. Ensure the gravity flap closes fully. Inspect the vent for cracks or damage.
Reduced airflow from the vent.	Obstruction in the vent grille or ductwork.	Clean the vent grille. Inspect the ductwork for blockages (e.g., lint buildup in dryer ducts).

Specifications

Feature	Detail
Model Number	KO150-30 (Manufacturer Part Number: 979c)
Size	6 Inch (150mm) Duct Diameter
External Dimensions	24.99 x 24.99 x 15.8 cm (9.84 x 9.84 x 6.22 inches)
Color	White
Material	ABS Plastic
Shape	Rectangular (Cowled)
Item Weight	390 g
Included Components	6 Inch Dryer Exhaust Cover, Screws
Special Feature	Gravity Flap / Non-Return Valve / Backdraft Shutter

Warranty Information

Specific warranty details for the Awenta Ducting Cowled Gravity Flap KO150-30 may vary by region and retailer. Please retain your proof of purchase. For detailed warranty terms and conditions, refer to the documentation provided with your product or contact Awenta customer support.

Customer Support

For further assistance, technical support, or inquiries regarding the Awenta Ducting Cowled Gravity Flap KO150-30, please contact your retailer or visit the official Awenta website for contact information.