

MAXIMUM AF4

Ventilation Maximum AF4 4-inch Outdoor Wall Vent Cover User Manual

Model: AF4 | Brand: MAXIMUM

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Ventilation Maximum AF4 4-inch Outdoor Wall Vent Cover. Designed for durability and energy efficiency, this vent cover is suitable for various applications including dryer vents, bathroom fan exhausts, and HVAC intake/exhaust systems. Please read this manual thoroughly before installation and use to ensure proper function and longevity of the product.

2. PRODUCT FEATURES

- **Energy Saving Design:** Features a triple-sealed and insulated exhaust damper that prevents cold air, rain, snow, and wind from entering, contributing to energy savings.
- **Durable Construction:** Constructed from galvanized steel with an interior and exterior baked powder paint finish, including UV protection, ensuring robustness and durability against weather elements.
- **Integrated Bird Guard:** Includes a built-in metal screen bird guard to prevent pests from entering the ventilation system.
- **Stormproof Deflector:** Engineered to protect the damper from updrafts and water infiltration, even during severe weather conditions.
- **Versatile Application:** Can be installed as a dryer vent cover, bathroom fan vent cover, or as an HVAC vent cover for air exchanger and furnace intake/exhaust systems.
- **Easy Installation:** Designed for straightforward DIY installation using standard tools.



Figure 1: Key features of the AF4 vent cover, highlighting its construction and protective elements.

3. SPECIFICATIONS

Manufacturer	Ventilation Maximum Ltd
Model Number	AF4
Item Weight	3.43 pounds
Product Dimensions	15 x 8.75 x 11.25 inches
Color	White
Material	Galvanized Steel
Included Components	Dryer Vent Cover



AF4



Figure 2: AF4 Vent Cover Dimensions.

4. INSTALLATION INSTRUCTIONS

The Ventilation Maximum AF4 vent cover is designed for easy installation. Standard tools are required for this process. Ensure the installation area is clear and safe before proceeding.

1. **Prepare the Opening:** Ensure you have a 4-inch diameter opening in your wall for the ventilation pipe. If replacing an existing unit, carefully remove the old vent cover and clean the area.
2. **Insert the Unit:** Insert the vent cover's pipe into the wall opening. Ensure a snug fit.
3. **Seal the Connection:** Apply appropriate sealant (e.g., exterior-grade caulk) around the pipe where it meets the wall to create an airtight and watertight seal.
4. **Secure to the Wall:** Using appropriate screws for your wall material, secure the vent cover's flange to the exterior wall. Ensure it is firmly attached and level.



EASY TO INSTALL

One person installation



1 Remove existing unit



2 Insert, seal and attach the unit to the pipe in the wall.



3 Screw the unit to the wall.



Figure 3: Step-by-step installation guide for the AF4 vent cover.

For visual guidance, please refer to the installation diagrams provided. While the product description mentions a video, no specific video link is available in this manual.

5. OPERATION

The AF4 vent cover operates passively, utilizing its internal damper system to regulate airflow and prevent backdrafts. The design allows for both exhaust and air intake applications.

Exhaust Application

When used for exhaust (e.g., dryer or bathroom fan), the internal damper opens to allow air to exit and then closes securely when the fan is off. The triple-sealed and insulated damper helps maintain indoor temperatures by preventing cold air from entering and warm air from escaping.

Air Intake Application

The back-draft damper can be converted for air intake applications, such as for air exchangers. In this configuration, the damper allows fresh air to enter while still providing protection against elements and intruders. The removable galvanized steel bird screen remains effective in both modes.



SILENT AND INSULATED DAMPER:

The insulated damper allows the air located inside the damper to always stay hot, avoiding any condensation forming around or on the inside of the damper. This way, the damper always stays hot and never freezes shut.

ENERGY SAVING AIR TIGHT TRIPLE SEAL:

The air tight triple seal of the AF series allows for a hermetic closure to happen between the outdoors and your home. This results in significant energy savings.

STORMPROOF DEFLECTOR:

The stormproof deflector prevents weather infiltration and wind gusts from opening and closing the damper during storms or hurricanes, avoiding any clinging noises and water infiltration in the unit.

Figure 4: Internal mechanism of the AF4, showing the insulated damper and triple seal.

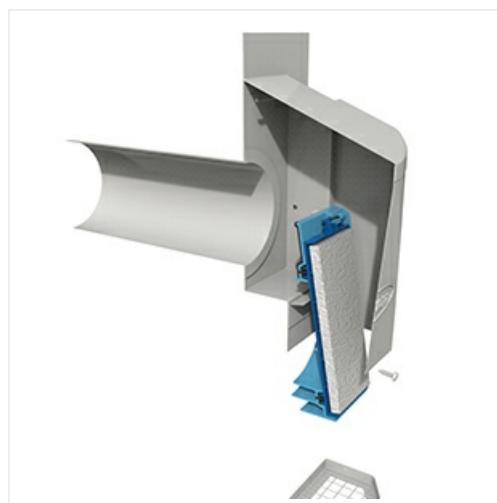


Figure 5: Damper removal for maintenance or configuration change.



Figure 6: Air intake application flow.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your vent cover.

- **Inspect Annually:** Periodically inspect the vent cover for any debris, blockages, or damage.
- **Clean Bird Screen:** The built-in metal screen bird guard is removable for cleaning. Clear any accumulated lint, leaves, or other debris to maintain proper airflow.
- **Check Damper Function:** Ensure the internal damper opens and closes freely. If it appears stuck or sluggish, gently clean around the hinge points.
- **Exterior Cleaning:** Clean the exterior surface with a mild detergent and water to remove dirt and maintain its appearance. Avoid abrasive cleaners.

7. TROUBLESHOOTING

If you encounter issues with your vent cover, refer to the following troubleshooting tips:

Problem	Possible Cause	Solution
Reduced Airflow	Blocked bird screen or damper.	Remove and clean the bird screen. Check the damper for obstructions and ensure it moves freely.
Damper Not Closing Properly	Debris obstructing the damper, or damper mechanism damage.	Clear any debris. If damaged, contact customer support for assistance.
Noise (e.g., banging in wind)	Strong winds causing damper to flap, or improper installation angle.	Ensure the vent cover is securely mounted and sealed. Verify the installation angle; some vents perform better with a slight upward tilt to prevent wind-induced flapping, though this may affect moisture drainage. Consult a professional if issues persist.
Water Infiltration	Improper sealing during installation, or damaged stormproof deflector.	Re-check sealant around the pipe and flange. Inspect the stormproof deflector for damage.

8. WARRANTY AND SUPPORT

Ventilation Maximum is committed to providing quality products. For specific warranty information, please refer to the product packaging or contact Ventilation Maximum customer service directly. For any questions, technical assistance, or support, please reach out to the manufacturer. Your request will be answered in a timely manner.