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## FANTECH MGS4

# Fantech MGS4 Metal Supply Grille Instruction Manual

## INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of the Fantech MGS4 Metal Supply Grille. Please read this manual thoroughly before installation and use to ensure proper function and safety.

## SAFETY INFORMATION

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- Always wear appropriate personal protective equipment (PPE) during installation, including gloves and eye protection.
- Ensure power to the HVAC system is disconnected before performing any installation or maintenance.
- Handle metal edges with care to prevent cuts.
- Consult a qualified HVAC professional if you are unsure about any installation steps.

## PACKAGE CONTENTS

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Verify that all components are present before beginning installation:

- Fantech MGS4 Metal Supply Grille
- Matching diameter galvanized mounting collar with nailing strip



**Figure 1:** Fantech MGS4 Metal Supply Grille. This image shows the circular white metal grille with its adjustable louvers and the accompanying galvanized mounting collar.

## SETUP AND INSTALLATION

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1. **Prepare the Duct Opening:** Ensure the duct opening is clean and free of debris. The MGS4 grille is designed for 4-inch ducts.
2. **Attach Mounting Collar:** Insert the galvanized mounting collar into the duct opening. Secure the collar to the surrounding structure (e.g., drywall, ceiling joist) using the integrated nailing strip. Ensure the collar is flush and securely fastened.
3. **Install the Grille:** Position the Fantech MGS4 grille over the mounted collar. The grille should fit snugly into the collar. Secure the grille to the collar using appropriate fasteners (not included, typically screws or clips depending on the collar design).
4. **Seal (Optional):** For optimal performance and to prevent air leakage, apply a bead of sealant around the perimeter of the grille where it meets the wall or ceiling.

## OPERATING INSTRUCTIONS

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The Fantech MGS4 is an adjustable circular supply grille. Airflow can be directed and regulated by adjusting the louvers on the face of the grille.

- **Adjusting Airflow:** Gently rotate or pivot the internal louvers to direct the air supply as needed.
- **Air Volume Control:** The degree to which the louvers are open or closed will affect the volume of air passing through the grille. Adjust for desired comfort and system balance.

## MAINTENANCE

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Regular maintenance ensures optimal performance and longevity of your grille.

- **Cleaning:** Periodically wipe the grille surface with a soft, damp cloth to remove dust and debris. For stubborn dirt, a mild soap solution can be used. Avoid abrasive cleaners.
- **Inspection:** Annually inspect the grille and its mounting for any signs of damage, loose fasteners, or corrosion. Ensure the louvers move freely.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Reduced Airflow	Louvers are partially closed or obstructed.	Adjust louvers to the desired open position. Check for and remove any obstructions.
Grille is Loose	Mounting fasteners are loose or improperly installed.	Tighten or re-install fasteners securing the grille to the collar and the collar to the structure.
Unwanted Noise	Loose components or air leakage around the grille.	Ensure all components are secure. Apply sealant around the grille perimeter if air leakage is suspected.

## SPECIFICATIONS

**Model:** MGS4

**Brand:** FANTECH (Manufactured by Systemair)

**Product Type:** Metal Supply Grille with Collar

**Duct Size:** 4 inches

**Material:** Metal

**Finish:** White Powder Coat

**Dimensions:** Approximately 6"D x 5"W x 7"H (Note: These dimensions may refer to packaging or overall unit size, not the grille face or duct connection directly.)

**Item Weight:** 1 Pound

**UPC:** 650737685409

## WARRANTY AND SUPPORT

For warranty information or technical support, please contact your retailer or the manufacturer, Systemair/Fantech, directly. Keep your purchase receipt for warranty claims.

