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Maid-O'-Mist 5L-1/8

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Model: 5L-1/8

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1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Maid-O'-Mist #5 1/8" Angle Steam Vent, model 5L-1/8. This product is designed to efficiently release air from steam heating systems, ensuring optimal performance of radiators located near boilers and in warm rooms.



Figure 1: Maid-O'-Mist #5 1/8" Angle Steam Vent. This image shows the top-down view of the steam vent, highlighting its compact design and the threaded connection point.

2. SETUP AND INSTALLATION

The Maid-O'-Mist #5 1/8" Angle Steam Vent is intended for use on radiators within steam heating systems. Proper installation is crucial for effective operation.

2.1. Pre-Installation Checklist

- Ensure the heating system is depressurized and cooled before beginning installation.
- Verify that the radiator connection point is clean and free of debris.
- Confirm the connection size is 1/8 inch.

2.2. Installation Steps

1. Locate the air vent opening on your radiator. This vent is designed for radiators situated near boilers and in warmer areas of the heating system.
2. Apply a suitable thread sealant (e.g., PTFE tape or pipe dope) to the male threads of the steam vent.
3. Carefully thread the steam vent into the radiator's 1/8 inch female iron pipe or compression connection.

4. Tighten the vent securely by hand, then use a wrench for a final snug turn. Avoid over-tightening, which can damage the threads or the vent.
5. Ensure the vent is oriented so that any discharged air or water vapor is directed away from walls or furniture.
6. Once installed, repressurize the heating system and check for any leaks around the newly installed vent.



Figure 2: Underside view of the Maid-O'-Mist #5 1/8" Angle Steam Vent. This image displays the product's underside, including the "Maid-O'-Mist Jacobus Self Adjustable Air Valve" inscription and patent number, indicating its self-adjusting nature.

3. OPERATING INSTRUCTIONS

The Maid-O'-Mist #5 1/8" Angle Steam Vent operates automatically to ensure efficient steam distribution within your heating system. It is a self-adjustable air valve, meaning it does not require manual adjustment for typical operation.

3.1. How it Works

- When the heating system starts, air trapped in the radiator is expelled through the vent.
- As steam reaches the vent, the internal mechanism (typically a thermostatic element) expands, closing the vent and preventing steam from escaping.
- When the radiator cools, the mechanism contracts, opening the vent to allow air back in, preventing a vacuum and

ensuring proper drainage.

3.2. Normal Operation Indicators

- A slight hissing sound may be heard as air is expelled during the initial heating cycle.
- The vent should close silently once steam reaches it.
- The radiator should heat evenly across its surface.

4. MAINTENANCE

The Maid-O'-Mist #5 1/8" Angle Steam Vent is designed for minimal maintenance. However, periodic checks can help ensure its longevity and proper function.

4.1. Routine Checks

- **Visual Inspection:** Periodically check the vent for any signs of physical damage, corrosion, or leaks.
- **Functionality Check:** During a heating cycle, observe if the vent is expelling air and then closing when steam arrives. If the radiator remains cold at the top or the vent continuously hisses steam, it may require attention.
- **Cleaning:** If the exterior of the vent appears dirty, wipe it gently with a damp cloth. Do not use harsh chemicals or abrasive cleaners.

4.2. Important Considerations

- Do not paint the steam vent, as this can interfere with its operation.
- Do not attempt to disassemble the vent, as it is a sealed unit and contains no user-serviceable parts.
- If the vent is continuously leaking water or steam, it indicates a malfunction and should be replaced.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your steam vent.

Problem	Possible Cause	Solution
Radiator remains cold or partially cold.	Vent is clogged or stuck closed, preventing air from escaping.	Replace the vent. Ensure the system is off and cooled before replacement.
Vent continuously hisses steam or leaks water.	Vent is stuck open or has failed, allowing steam/water to escape.	Replace the vent. This indicates a malfunction.
Vent makes no sound, radiator heats slowly.	Vent is not opening to release air, or system pressure is too low.	Check boiler pressure. If pressure is adequate, replace the vent.

If troubleshooting steps do not resolve the issue, it is recommended to consult a qualified HVAC technician.

6. SPECIFICATIONS

Detailed technical specifications for the Maid-O'-Mist #5 1/8" Angle Steam Vent.

Model Number: 5L-1/8

Brand: Maid-O'-Mist

Product Dimensions (L x W x H): 2.25 x 1.63 x 2.25 inches

Item Weight: 3 ounces

Material: Plastic

Inlet Connection Size: 0.13 Inches (1/8")

Inlet Connection Type: Female Iron Pipe or Compression

Outlet Connection Size: 0.13 Inches (1/8")

Vent Size: 0.070 inches (as per product description)

Manufacturer: MAID O'MIST

UPC: 685296002022

Certifications/Standards Met: ASME, ANSI, ASTM, NSF, FDA, UL, CE, RoHS

First Available Date: June 21, 2007



Figure 3: Dimensions of the Maid-O'-Mist #5 1/8" Angle Steam Vent. This image provides a visual representation of the product's size, indicating a height of approximately 2.5 inches (6 cm).

7. WARRANTY AND SUPPORT

7.1. Warranty Information

Specific warranty details for the Maid-O'-Mist #5 1/8" Angle Steam Vent are not provided in this manual. For information regarding product warranty, please refer to the original product packaging or contact Maid-O'-Mist directly.

7.2. Customer Support

If you require further assistance, have questions about installation, or need to report a product issue, please contact the manufacturer, Maid-O'-Mist, through their official website or customer service channels. Always provide your product model number (5L-1/8) and UPC (685296002022) when seeking support.

