

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [Royal Range](#) /
- › [Royal Range 28019 50 and 60-Pound Diffuser Assembly Instruction Manual](#)

Royal Range 28019

Royal Range 28019 50 and 60-Pound Diffuser Assembly Instruction Manual

Model: 28019

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Royal Range 28019 Diffuser Assembly. This component is a genuine OEM replacement part designed for 50 and 60-pound commercial ranges, broilers, fryers, and ovens manufactured by Royal Range. Adhering to these instructions will help ensure the safety, reliability, and optimal performance of your equipment.

IMPORTANT SAFETY INFORMATION

Always observe basic safety precautions when installing, operating, or maintaining commercial kitchen equipment. Failure to follow these instructions could result in property damage, personal injury, or death.

- **Professional Installation:** Installation and service should only be performed by a qualified service technician.
- **Disconnect Power:** Always disconnect the appliance from its power source before performing any installation, maintenance, or service.
- **Hot Surfaces:** Commercial cooking equipment can reach high temperatures. Allow equipment to cool completely before handling parts.
- **Genuine Parts:** Use only genuine OEM replacement parts to ensure safety, reliability, and performance.
- **Personal Protective Equipment (PPE):** Wear appropriate PPE, such as heat-resistant gloves and safety glasses, when working with commercial kitchen equipment.

PACKAGE CONTENTS

Verify that all components are present and undamaged upon receipt.

- One (1) Royal Range 28019 Diffuser Assembly

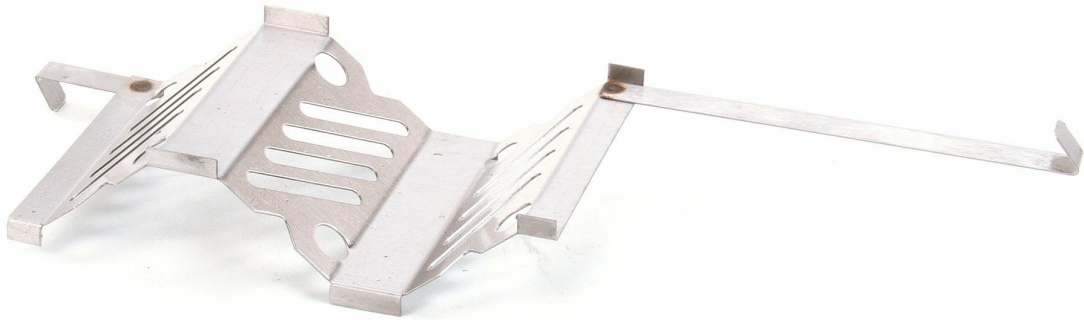


Image: Royal Range 28019 Diffuser Assembly. This image shows the complete diffuser assembly, a metal component designed to distribute heat evenly within commercial cooking equipment.

SETUP AND INSTALLATION

The Royal Range 28019 Diffuser Assembly is an internal component of commercial cooking equipment. Its installation requires specific technical knowledge and tools. It is strongly recommended that installation be performed by a certified technician.

1. **Preparation:** Ensure the appliance is completely cooled and disconnected from all power and gas supplies.
2. **Access:** Carefully open or disassemble the necessary panels of the commercial range, broiler, fryer, or oven to gain access to the existing diffuser assembly. Refer to your specific appliance's service manual for detailed access procedures.
3. **Removal of Old Part:** Unfasten and remove the old diffuser assembly. Note its orientation and connections for proper reinstallation.
4. **Installation of New Part:** Position the new Royal Range 28019 Diffuser Assembly in the correct orientation. Secure it using the appropriate fasteners. Ensure all connections are tight and secure.
5. **Reassembly:** Reassemble any panels or components that were removed.
6. **Testing:** After installation, reconnect power and gas supplies. Perform a thorough operational test to ensure the diffuser is functioning correctly and heat distribution is even. Check for any gas leaks if applicable.

OPERATING INSTRUCTIONS

The diffuser assembly itself does not have direct operating controls. Its function is integral to the overall operation of the commercial cooking equipment it is installed within. Once properly installed, the diffuser works automatically to distribute heat from the burners or heating elements evenly across the cooking surface or within the oven cavity.

Ensure that the main appliance is operated according to its own instruction manual. Proper operation of the main appliance will ensure the diffuser assembly performs its intended function effectively.

MAINTENANCE

Regular maintenance of the diffuser assembly contributes to the longevity and efficiency of your commercial cooking equipment.

- **Inspection:** Periodically inspect the diffuser assembly for signs of wear, corrosion, or damage. This should be done during routine maintenance checks of the main appliance.
- **Cleaning:** If accessible and safe to do so, gently clean any accumulated grease or debris from the diffuser surface. Ensure the appliance is cool and disconnected from power before cleaning. Use appropriate commercial kitchen cleaning agents and follow their instructions. Avoid abrasive cleaners that could damage the metal.
- **Replacement:** If the diffuser assembly shows significant signs of damage, warping, or corrosion that could impede heat distribution, it should be replaced with a genuine Royal Range 28019 part.

TROUBLESHOOTING

Issues related to the diffuser assembly typically manifest as problems with heat distribution or cooking performance of the main appliance.

Problem	Possible Cause	Solution
Uneven heating or cooking	Damaged, warped, or obstructed diffuser assembly.	Inspect the diffuser for physical damage or blockages. Clean if obstructed. Replace if damaged or warped.
Appliance not reaching desired temperature	Inefficient heat transfer due to diffuser issues.	Ensure the diffuser is correctly installed and free from obstructions. Verify other appliance components (burners, thermostats) are functioning.
Excessive smoke or odor	Grease buildup on the diffuser.	Clean the diffuser assembly thoroughly. Ensure proper ventilation in the kitchen.

If troubleshooting steps do not resolve the issue, contact a qualified service technician for further assistance.

SPECIFICATIONS

Brand: Royal Range

Model Number: 28019

Item Weight: 6.4 ounces (approx. 181 grams)

Product Dimensions: 24 x 6 x 6 inches (approx. 61 x 15 x 15 cm)

Part Number: 28019

Compatibility: Designed for 50 and 60-pound commercial ranges, broilers, fryers, and ovens.

WARRANTY AND SUPPORT

For specific warranty information regarding your Royal Range 28019 Diffuser Assembly, please refer to the documentation provided with your original Royal Range appliance or contact Royal Range customer support directly. As an OEM replacement part, its warranty may be tied to the original appliance's warranty or a separate parts warranty.

For technical support, replacement parts, or service inquiries, please contact Royal Range customer service or an authorized service provider.

Note: Always provide the model number (28019) and the model/serial number of your main Royal Range appliance when seeking support.