

Rasmussen DF-BF4220

Rasmussen Bonfire Gas Logs (DF-BF4220) Instruction Manual

Model: DF-BF4220

INTRODUCTION

This manual provides essential instructions for the safe and effective setup, operation, and maintenance of your Rasmussen Bonfire Gas Logs, model DF-BF4220. These 42-inch artificial log sets are designed to enhance the aesthetic of your gas fireplace, particularly peninsula fireplaces with Rasmussen CS burners, by replicating a classic campfire appearance with bark logs and artificial pine cones.

IMPORTANT SAFETY INFORMATION

WARNING: Failure to follow these instructions exactly may result in a fire or explosion causing property damage, personal injury, or loss of life.

- Read all instructions thoroughly before installation and use.
- This log set is for use with approved gas fireplace burners only. Do not use with solid fuels.
- Ensure adequate ventilation. Never obstruct the fireplace opening.
- Keep children and pets away from the fireplace when in operation.
- Do not place combustible materials on or near the log set.
- Always turn off the gas supply and allow logs to cool completely before handling or performing maintenance.
- Installation and service must be performed by a qualified installer, service agency, or gas supplier.

SETUP AND INSTALLATION

The Rasmussen Bonfire Gas Logs (DF-BF4220) are designed for placement within an existing gas fireplace with an approved burner system. This log set is specifically recommended for peninsula fireplaces with a Rasmussen CS burner.

1. **Unpacking:** Carefully remove all logs and packaging materials from the box. Inspect logs for any damage. Do not use damaged logs.
2. **Burner Preparation:** Ensure your gas burner is properly installed and connected according to its manufacturer's instructions. The burner must be clean and free of debris.
3. **Log Placement:** Arrange the logs on the burner grate according to the recommended pattern. The goal is to create a natural-looking bonfire effect while ensuring proper flame distribution and avoiding obstruction of the burner ports. Refer to the diagram below for a typical arrangement.
4. **Airflow:** Ensure there is sufficient space between logs for proper airflow and flame development. Do not stack logs too tightly.
5. **Pilot Light Access:** Confirm that the pilot light and thermocouple/thermopile are not obstructed by the logs and remain accessible for lighting and maintenance.



Image: Rasmussen Bonfire Gas Logs (DF-BF4220) showing a typical arrangement of the bark logs and artificial pine cones within a fireplace setting. The logs are varied in size to create a realistic campfire appearance.

OPERATING INSTRUCTIONS

Once the logs are properly installed, follow these steps to operate your gas fireplace:

1. **Verify Gas Supply:** Ensure the main gas supply valve to the fireplace is open.

- 2. **Light Pilot (if applicable):** If your system has a standing pilot, light it according to your burner's instructions.
- 3. **Turn On Burner:** Slowly turn the control knob or wall switch to the "ON" position to ignite the main burner.
- 4. **Adjust Flame:** Adjust the flame height as desired using the control knob. Observe the flames to ensure they are burning cleanly and not impinging excessively on the logs, which can cause sooting.
- 5. **Shut Down:** To turn off, reverse the steps: turn the burner control to "OFF," and if desired, turn off the pilot light and main gas supply.

Always refer to your specific gas burner's instruction manual for detailed operating procedures.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Rasmussen Bonfire Gas Logs.

- **Cleaning:** Periodically, when the logs are completely cool, gently brush off any dust or soot accumulation using a soft brush. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Annually, or if you notice any changes in flame pattern or log appearance, inspect the logs for cracks or deterioration. Replace any damaged logs immediately. Also, check the burner for any obstructions or signs of wear.
- **Professional Service:** It is recommended to have your gas fireplace system, including the burner and log set, inspected by a qualified service technician annually.

TROUBLESHOOTING

This section addresses common issues you might encounter with your gas log set. For complex problems, consult a qualified technician.

Problem	Possible Cause	Solution
Excessive Sooting	Logs too close to burner ports; improper gas pressure; dirty burner.	Adjust log placement for better flame clearance; consult technician for gas pressure or burner cleaning.
Weak or Irregular Flames	Low gas pressure; partially clogged burner ports; logs obstructing airflow.	Check gas supply valve; clean burner ports (when cool); rearrange logs for better airflow.
Logs appear damaged	Physical impact; prolonged exposure to extreme heat (rare).	Replace damaged logs.

SPECIFICATIONS

- **Model:** DF-BF4220
- **Brand:** Rasmussen
- **Product Dimensions:** 18 x 42 x 12 inches
- **Item Weight:** 116 pounds
- **Material:** Pine Wood (Note: This refers to the material description provided, but gas logs are typically

ceramic fiber or refractory cement for heat resistance. Please verify actual material if this is a critical detail.)

- **Set Width:** 42 inches
- **Compatibility:** Designed for gas fireplaces, recommended for peninsula fireplaces with Rasmussen CS burners.

WARRANTY AND SUPPORT

For warranty information or technical support regarding your Rasmussen Bonfire Gas Logs, please contact Rasmussen customer service directly or refer to the documentation provided with your purchase. Keep your purchase receipt for warranty claims.

Manufacturer: Rasmussen