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Duluth Forge DFS-400R-2GR

Duluth Forge DFS-400R-2GR Dual Fuel Ventless Gas Fireplace System User Manual

Model: DFS-400R-2GR

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Duluth Forge Dual Fuel Ventless Gas Fireplace System, Model DFS-400R-2GR. This system is designed to operate using either Natural Gas or Liquid Propane, offering a versatile heating solution for areas up to 1,500 square feet with a heat output of 32,000 BTU.

The fireplace features a furniture-grade mantel and a vent-free gas insert, providing both aesthetic appeal and functional warmth. It includes realistic ceramic fiber logs and a remote control for convenient operation.



Figure 1: Duluth Forge DFS-400R-2GR Ventless Gas Fireplace System with Slate Gray Mantel.

This image displays the complete Duluth Forge ventless gas fireplace system, featuring a slate gray mantel, a black fireplace insert with mesh doors, and glowing ceramic logs simulating a real fire.

2. SAFETY INFORMATION

Read and understand all instructions in this manual before installing, operating, or servicing this appliance. Failure to follow these instructions may result in fire, explosion, property damage, personal injury, or loss of life.

2.1 General Safety Precautions

- This appliance is for indoor use only.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Installation and service must be performed by a qualified installer, service agency, or gas supplier.
- Ensure adequate ventilation in the room where the fireplace is installed.
- Keep children and pets away from the fireplace when it is in operation.

2.2 Safety Features

The Duluth Forge Ventless Gas Fireplace System is equipped with the following safety features:

- **Oxygen Depletion Sensor (ODS):** This system automatically shuts off the fireplace if the oxygen level in the room falls below a safe threshold.
- **Battery-Assisted Piezo Ignition:** Provides a reliable ignition method.

WARNING: This product can expose you to chemicals including carbon monoxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

DEPENDABLE SOURCE OF HEAT!



32,000 BTU/HR



No Venting Required



Works on Propane
or Natural Gas!



No Electricity
Required



Safe, Clean Burning
Heat



Quality Furniture
Grade Finish



Figure 2: Key Features and Safety Aspects.

This diagram highlights the fireplace's features: 32,000 BTU/HR heat output, no venting required, works on Propane or Natural Gas, no electricity required for operation, safe and clean burning heat, and a quality furniture-grade finish.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with assembly and installation. If any items are missing or damaged, contact customer support.

- Vent-Free Fireplace Insert - Qty. 1

- Hand Painted Ceramic Fiber Logs - Qty. 6
- Remote Control - Qty. 1
- Remote Receiver - Qty. 1
- AA Batteries - Qty. 4
- AAA Batteries - Qty. 3
- Hardware Package - Qty. 1

INCLUDES EVERYTHING YOU NEED!



Oxygen Depletion Sensor



Assembly Required



Solid Wood Mantel



Hand-Painted Logs



Figure 3: Included Components.

This image illustrates key components and features of the fireplace system, including the Oxygen Depletion Sensor, the requirement for assembly, the solid wood mantel, and the hand-painted logs.

4. SETUP AND INSTALLATION

Some assembly of the fireplace mantel and insert is required. Follow the detailed assembly instructions provided in the separate assembly guide for your specific model. Ensure all gas connections are made by a qualified professional.

4.1 Location Requirements

- The fireplace must be installed on a level, non-combustible surface.

- Maintain a minimum clearance of 42 inches from the top of the fireplace to the ceiling.
- Do not install in a bedroom or bathroom.
- Ensure the room has adequate air for combustion and ventilation.

4.2 Dimensions

The overall dimensions of the assembled fireplace system are:

- Width: 45 inches (114.3 cm)
- Height: 45 inches (114.3 cm)
- Depth: 15 inches (38.1 cm)

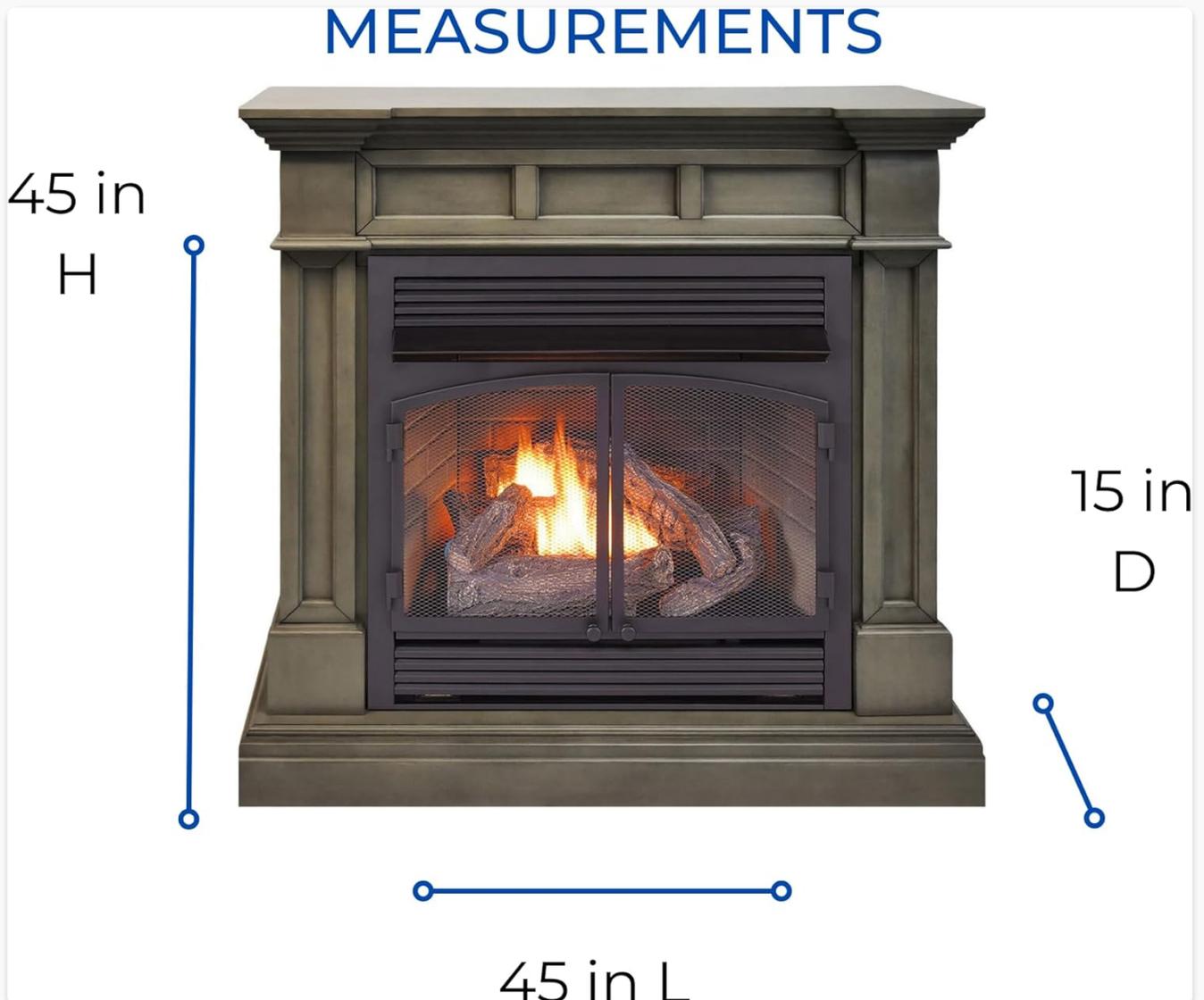


Figure 4: Product Measurements.

This image provides a visual representation of the fireplace's dimensions, indicating a height of 45 inches, a width of 45 inches, and a depth of 15 inches.

5. OPERATING INSTRUCTIONS

Your Duluth Forge fireplace system is designed for ease of use with a remote control.

5.1 Initial Startup

1. Ensure the gas supply is connected and turned on.
2. Install the provided batteries into the remote control and remote receiver.
3. Follow the specific ignition procedure outlined in your detailed assembly guide to light the pilot light.

5.2 Remote Control Operation

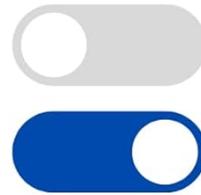
The remote control allows you to manage the fireplace settings from a distance.

- **ON/OFF:** Press the 'ON' button to turn the burner on and the 'OFF' button to turn it off.
- **Temperature Control:** Use the 'MODE' button to switch between manual and thermostat control. In thermostat mode, use the 'SET' button to adjust the desired temperature. The fireplace will cycle on and off to maintain this temperature.

CONVENIENT REMOTE CONTROL



Included remote control makes it easy to control the environment from anywhere in the room!



Turn on and off



Temperature Control

Figure 5: Remote Control.

This image displays the remote control for the fireplace, featuring an LCD screen that shows the temperature and buttons for 'ON', 'OFF', 'MODE', and 'SET' to control the unit.



Figure 6: Realistic Ceramic Logs and Flame.

A detailed view of the fireplace interior, showcasing the six hand-painted ceramic fiber logs and the realistic flame pattern produced by the gas burner.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your fireplace system.

6.1 Cleaning

- Ensure the fireplace is completely off and cool before cleaning.
- Wipe the mantel and exterior surfaces with a soft, damp cloth. Avoid abrasive cleaners.
- Periodically inspect the ceramic logs for any damage or soot buildup. Clean gently with a soft brush if necessary. Do not wash the logs.

6.2 Annual Inspection

It is recommended to have a qualified service technician inspect the gas connections, burner, and safety devices annually to ensure proper function and safety.

7. TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, or if solutions do not resolve the issue, contact customer support or a qualified service technician.

7.1 Pilot Light Issues

- **Pilot light will not light:** Check gas supply, ensure pilot orifice is clear, and verify proper battery installation in the igniter.
- **Pilot light will not stay lit:** This could indicate an issue with the thermocouple or ODS sensor. Do not attempt to repair yourself; contact a qualified technician.

7.2 Burner Issues

- **Burner does not ignite:** Ensure pilot light is lit. Check remote control batteries and receiver connection.
- **Irregular flame pattern:** Inspect logs for proper placement. Ensure burner ports are clear of debris.

7.3 Remote Control Issues

- **Remote not responding:** Replace batteries in both the remote and receiver. Ensure the remote is within range and there are no obstructions.

8. SPECIFICATIONS

Feature	Specification
Brand	Duluth Forge
Model Name	DFS-400R-2GR
Gas Fireplace Model Number	FDF400RT-ZC
Fireplace Mantel Model Number	CM400-2-GR
Power Source	Gas Powered (Natural Gas or Liquid Propane)
Heat Output	32,000 British Thermal Units (BTU)
Heating Coverage	Up to 1,500 sq. ft.
Efficiency	99.9%
Ventilation Type	Vent Free
Product Dimensions (W x H x D)	45" x 45" x 15"
Item Weight	160 lbs
Material	Ceramic (logs), Wood (mantel)
Color	Slate Gray
Special Feature	Oxygen Depletion Sensor (ODS), Remote Control
UPC	815192025034

9. WARRANTY AND SUPPORT

9.1 Limited Warranty

This Duluth Forge fireplace system comes with a 1-Year Limited Warranty. Please refer to the warranty documentation included with your product for specific terms and conditions.

9.2 Customer Support

For technical assistance, missing parts, or warranty claims, please contact Duluth Forge customer support. Contact information can typically be found on the manufacturer's website or in your product packaging.

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Related Documents - DFS-400R-2GR

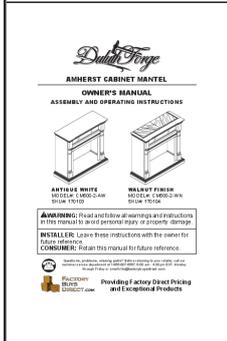
	<p>Duluth Forge Vented Natural Gas Log Installation Instructions</p> <p>Comprehensive installation guide for Duluth Forge vented natural gas log sets, models FNL18L103B, FN24L103B, and FN30L103B. Covers safety, log placement, operation, curing, and parts. Approved to ANSI Z21.11.2 and Z21.60 standards.</p>
	<p>Duluth Forge FDLR24/30-1 Dual Fuel Vent-Free Gas Log Chassis Owner's Operation and Installation Manual</p> <p>This comprehensive manual provides detailed instructions for the operation and installation of the Duluth Forge FDLR24/30-1 Dual Fuel Vent-Free Gas Log Chassis. It covers safety precautions, specifications, installation procedures, operating instructions, troubleshooting, parts replacement, and warranty information.</p>
	<p>Duluth Forge FDLR18-1 Vent-Free Gas Log Chassis Owner's Operation and Installation Manual</p> <p>Comprehensive guide for the Duluth Forge FDLR18-1 Vent-Free Gas Log Chassis, covering safety, specifications, installation, operation, maintenance, and troubleshooting.</p>



[Duluth Forge FDLR24/30-1 Vent-Free Gas Log Chassis Owner's Operation and Installation Manual](#)
Comprehensive guide for the Duluth Forge FDLR24/30-1 Vent-Free Gas Log Chassis, covering installation, operation, safety, maintenance, and troubleshooting for natural and propane gas. Includes detailed instructions and warnings.



[Duluth Forge Delano Cabinet Mantel Owner's Manual & Assembly Instructions](#)
Owner's manual and assembly instructions for the Duluth Forge Delano Cabinet Mantel. Includes product details, safety warnings, step-by-step assembly guide, hardware and component lists, and warranty information for models CM300-2-AW and CM300-2-AC. Features two finishes: Antique White and Auburn Cherry.



[Amherst Cabinet Mantel Owner's Manual: Assembly and Operating Instructions](#)
Owner's manual and assembly instructions for the Duluth Forge Amherst Cabinet Mantel, including warranty information and contact details for Factory Buys Direct.