

Manuals+

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

manuals.plus /

> [Duluth Forge](#) /

> [Duluth Forge Dual Fuel Ventless Gas Fireplace Insert FDF400T-ZC User Manual](#)

Duluth Forge FDF400T-ZC

Duluth Forge Dual Fuel Ventless Gas Fireplace Insert FDF400T-ZC User Manual

Brand: Duluth Forge | Model: FDF400T-ZC

[Introduction](#) [Safety Information](#) [Package Contents](#) [Setup & Installation](#) [Operation](#) [Maintenance](#) [Troubleshooting](#)
[Specifications](#) [Warranty & Support](#)

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation of your Duluth Forge Dual Fuel Ventless Gas Fireplace Insert, Model FDF400T-ZC. This insert is designed for zero-clearance installations, allowing it to be framed directly into a wall or paired with a face mantel. It operates on either Natural Gas or Liquid Propane, providing up to 32,000 BTU of heat, capable of warming areas up to 1,500 square feet.

Please read all instructions carefully before installation and use. Retain this manual for future reference.

2. IMPORTANT SAFETY INFORMATION

WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause injury or property damage. Refer to this manual. For assistance or additional information, consult a qualified installer, service agency, or the gas supplier.

WARNING: Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

WARNING: This product contains ceramic fiber logs. Avoid direct contact with skin and eyes. Wear gloves and eye protection during handling.

Professional Installation Recommended

It is highly recommended that this product be installed and serviced by professionals certified in the U.S. by NFI (National Fireplace Institute). Always check local regulations before purchasing and installation.

Oxygen Depletion Sensor (ODS)

This fireplace insert is equipped with an Oxygen Depletion Sensor (ODS) which automatically shuts off the unit if oxygen levels in the room fall below a safe threshold. This is a critical safety feature for vent-free appliances.

3. PACKAGE CONTENTS

- Vent-Free Fireplace Insert - Qty. 1
- Hand Painted Ceramic Fiber Logs - Qty. 6
- Iron Grate
- 1 AAA Battery (for Piezo ignition)

4. SETUP & INSTALLATION

Placement

This zero-clearance fireplace insert can be framed directly into a wall or integrated with a face mantel. Ensure a minimum clearance of 42 inches from the top of the fireplace to the ceiling.



Image: Duluth Forge fireplace insert installed within a decorative white mantel, showcasing its integration into a living space.

Gas Connection

The unit features patented Dual Fuel Technology, allowing operation with either Natural Gas or Liquid Propane. Ensure the correct fuel type is connected and all gas line connections are secure and leak-free. Professional installation is strongly advised for gas connections.

INCLUDES EVERYTHING YOU NEED!



Oxygen Depletion Sensor



Minimal Assembly



Safety Mesh Guard



Hand-Painted Logs



Image: Close-up view of the gas connection point on the side of the fireplace insert, indicating where the gas line attaches.

Log Placement

Carefully arrange the 6 hand-painted ceramic fiber logs on the iron grate according to the diagram in the full installation manual to ensure proper flame distribution and appearance.

ELEGANT CONSTRUCTION

This fireplace insert includes stylish screen doors and a dual burner which produces generous flames, creating a stunning home experience.



Ceramic Gas Log Set



Faux Liner Pattern

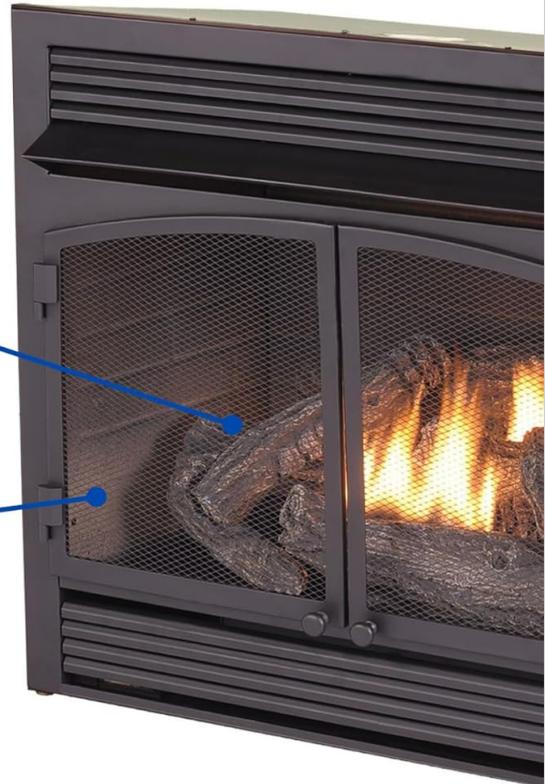


Image: An illustration detailing the correct placement of the ceramic gas logs and the faux liner pattern within the fireplace insert.

5. OPERATION

Ignition

The unit features a battery-assisted Piezo ignition system. To ignite, ensure the gas supply is open, then follow the instructions for lighting the pilot and main burner.

THERMOSTAT CONTROLS



5 Thermostatic
Heat Settings



Electronic Piezo
Ignition - Requires 1
AAA Battery-Included!

Image: A close-up of the control panel, highlighting the 5 thermostatic heat settings and the electronic Piezo ignition button.

Thermostat Control

The thermostat control automatically cycles the fireplace insert on and off to maintain your desired room temperature. Adjust the setting using the control knob.

Your browser does not support the video tag.

Video: This video demonstrates the Duluth Forge Dual Fuel Gas Fireplace Insert (FDF400T-ZC) in operation, showcasing the flames and overall appearance.

Your browser does not support the video tag.

Video: This video shows the Duluth Forge Vent Free Dual Fuel Log Set, highlighting the realistic flames and log appearance.

6. MAINTENANCE

Regular cleaning of the exterior surfaces and occasional inspection of the logs for damage are recommended. Ensure the area around the fireplace is kept clear of combustible materials.

For detailed cleaning instructions and component inspection, refer to the comprehensive manual provided with your unit.

7. TROUBLESHOOTING

Common Issues

- **Pilot light not igniting:** Check gas supply, ensure battery in piezo igniter is fresh.
- **Main burner not lighting:** Ensure pilot light is lit and gas control knob is set correctly.
- **Unit shuts off unexpectedly:** The Oxygen Depletion Sensor (ODS) may have activated due to low oxygen. Ensure adequate ventilation.
- **Unusual odors:** A slight odor may be present during initial use. If persistent or strong, shut off gas and consult a professional.

For further troubleshooting steps, consult the full product manual or contact a certified service technician.

8. SPECIFICATIONS

Feature	Detail
Brand	Duluth Forge
Model Number	FDF400T-ZC
Power Source	Gas Powered (Natural Gas or Liquid Propane)
Heat Output	32,000 BTU
Heating Coverage	Up to 1,500 sq. ft.
Efficiency	99.9%
Product Dimensions	29.5" H x 29.1" W x 15.6" D
Item Weight	69.5 lbs.
Installation Type	Insert (Zero Clearance)
Ventilation Type	Vent Free
Control Type	Thermostat Control
Safety Features	Oxygen Depletion Sensor (ODS)
Included Components	6 Ceramic Fiber Logs, Iron Grate, 1 AAA Battery

9. WARRANTY & SUPPORT

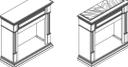
This Duluth Forge product comes with a Limited Warranty. For specific details regarding your warranty coverage, please refer to the warranty documentation included with your purchase.

For technical support, service, or to inquire about replacement parts, please contact Duluth Forge customer service.

We recommend that all service and repairs be performed by qualified and certified professionals.

Related Documents - FDF400T-ZC

 <p>DULUTH FORGE DUAL FUEL VENT-FREE GAS LOG CHASSIS MODEL NUMBER: FDLR24/30-1 OWNER'S OPERATION AND INSTALLATION MANUAL</p> <p>WARNING: If the information in this manual is not followed exactly, fire or explosion may result causing property damage, personal injury or loss of life.</p> <p>— Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.</p> <p>WHAT TO DO IF YOU SMELL GAS</p> <ul style="list-style-type: none"> • Do not try to light any appliance. • Do not touch any electrical switch; do not use any phone in your building. • Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions. • If you cannot reach your gas supplier, call the fire department. <p>— Installation and service must be performed by a qualified installer, service agency or the gas supplier.</p> <p>WARNING: This appliance is not intended for use as a room heater.</p> <p>Propane gas: Flammable concentrations do not penetrate other than broken metal or pipe gas joints.</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>VENTED NATURAL GAS LOG INSTALLATION INSTRUCTIONS</p> <p>MODELS FNL18L103B, FN24L103B & FN30L103B LOG SETS</p> <p>For Use With FNL18L, FN24L, & FN30L-1 Chassis</p>  <p>FNL18L103B 30mm</p> 	<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>VENT-FREE GAS LOG CHASSIS</p> <p>MODELS FDLR24/30-1</p> <p>OWNER'S OPERATION AND INSTALLATION MANUAL</p>  <p>WARNING: If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.</p> <ul style="list-style-type: none"> Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance. WHAT TO DO IF YOU SMELL GAS <ul style="list-style-type: none"> Do not try to light any appliance. Do not touch any electrical switches; do not use any phone or any radio. Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions. If you cannot reach your gas supplier, call the fire department. Installation and service must be performed by a qualified installer, service agency or the gas supplier. <p>WARNING: This appliance is designed for natural gas and propane gas. Field conversion is not permitted without the proper label on propane gas.</p> 	<p>Duluth Forge FDLR24/30-1 Vent-Free Gas Log Chassis Owner's Operation and Installation Manual</p> <p>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.</p>
 <p>DUAL FUEL, YELLOW FLAME RESISTE MODEL FDLR18-1</p> <p>VENT-FREE GAS LOG CHASSIS</p> <p>OWNER'S OPERATION AND INSTALLATION MANUAL</p>  <p>WARNING: If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.</p> <ul style="list-style-type: none"> Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance. WHAT TO DO IF YOU SMELL GAS <ul style="list-style-type: none"> Do not try to light any appliance. Do not touch any electrical switches; do not use any phone or any radio. Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions. If you cannot reach your gas supplier, call the fire department. Installation and service must be performed by a qualified installer, service agency or the gas supplier. <p>WARNING: This appliance is designed for natural gas and propane gas. Field conversion is not permitted without the proper label on propane gas.</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>
 <p>DELANO CABINET MANTEL</p> <p>OWNER'S MANUAL ASSEMBLY AND OPERATING INSTRUCTIONS</p>  <p>ANTIQUE WHITE MODEL # CM300-2-AW SIZE: 1700</p> <p>AUBURN CHERRY MODEL # CM300-2-AC SIZE: 1700</p> <p>WARNING: Read and follow all warnings and instructions in this manual to avoid personal injury or property damage.</p> <p>INSTALLER: Leave these instructions with the owner for future reference.</p> <p>CONSUMER: Retain this manual for future reference.</p>  <p>Providing Factory Direct Pricing and Exceptional Products</p>	<p>Duluth Forge Delano Cabinet Mantel Owner's Manual & Assembly Instructions</p> <p>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.</p>
 <p>AMHERST CABINET MANTEL</p> <p>OWNER'S MANUAL ASSEMBLY AND OPERATING INSTRUCTIONS</p>  <p>ANTIQUE WHITE MODEL # CM300-2-AW SIZE: 1700</p> <p>WALNUT FINISH MODEL # CM300-2-WF SIZE: 1700</p> <p>WARNING: Read and follow all warnings and instructions in this manual to avoid personal injury or property damage.</p> <p>INSTALLER: Leave these instructions with the owner for future reference.</p> <p>CONSUMER: Retain this manual for future reference.</p>  <p>Providing Factory Direct Pricing and Exceptional Products</p>	<p>Amherst Cabinet Mantel Owner's Manual: Assembly and Operating Instructions</p> <p>Owner's manual and assembly instructions for the Duluth Forge Amherst Cabinet Mantel, including warranty information and contact details for Factory Buys Direct.</p>