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› Duluth Forge Ventless Liquid Propane Gas Log Set DLS-L18T-2 Instruction Manual

Duluth Forge DLS-L18T-2

Duluth Forge Ventless Liquid Propane Gas Log Set

MODEL: DLS-L18T-2 (18 INCH, 30,000 BTU, THERMOSTATIC CONTROL)

Important 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.

- This appliance is designed for use with Liquid Propane (LP) gas only. Do not use with natural gas or any other fuel.
- Installation and service must be performed by a qualified installer, service agency, or gas supplier.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
- Ensure adequate ventilation. This is a vent-free appliance; however, proper air circulation is crucial for safe operation.
- Equipped with a Safety Pilot Oxygen Depletion Sensor (ODS) system, which automatically shuts off the appliance if oxygen levels become too low. Do not tamper with or bypass this safety feature.
- This appliance is ANSI Certified and PFS Approved for indoor use.

Product Overview

The Duluth Forge DLS-L18T-2 Ventless Liquid Propane Gas Log Set provides efficient heating with a realistic wood-burning appearance. It features a thermostatic control for maintaining desired room temperatures and is designed for vent-free operation.



Image: The DLS-L18T-2 gas log set installed within a fireplace, showcasing its operational appearance.



EASILY HEAT A LARGE AREA

Ventless design on the 30,000 BTU burner eliminates the need for an outside duct or chimney to heat up to 1,100 square feet using either natural gas or liquid propane

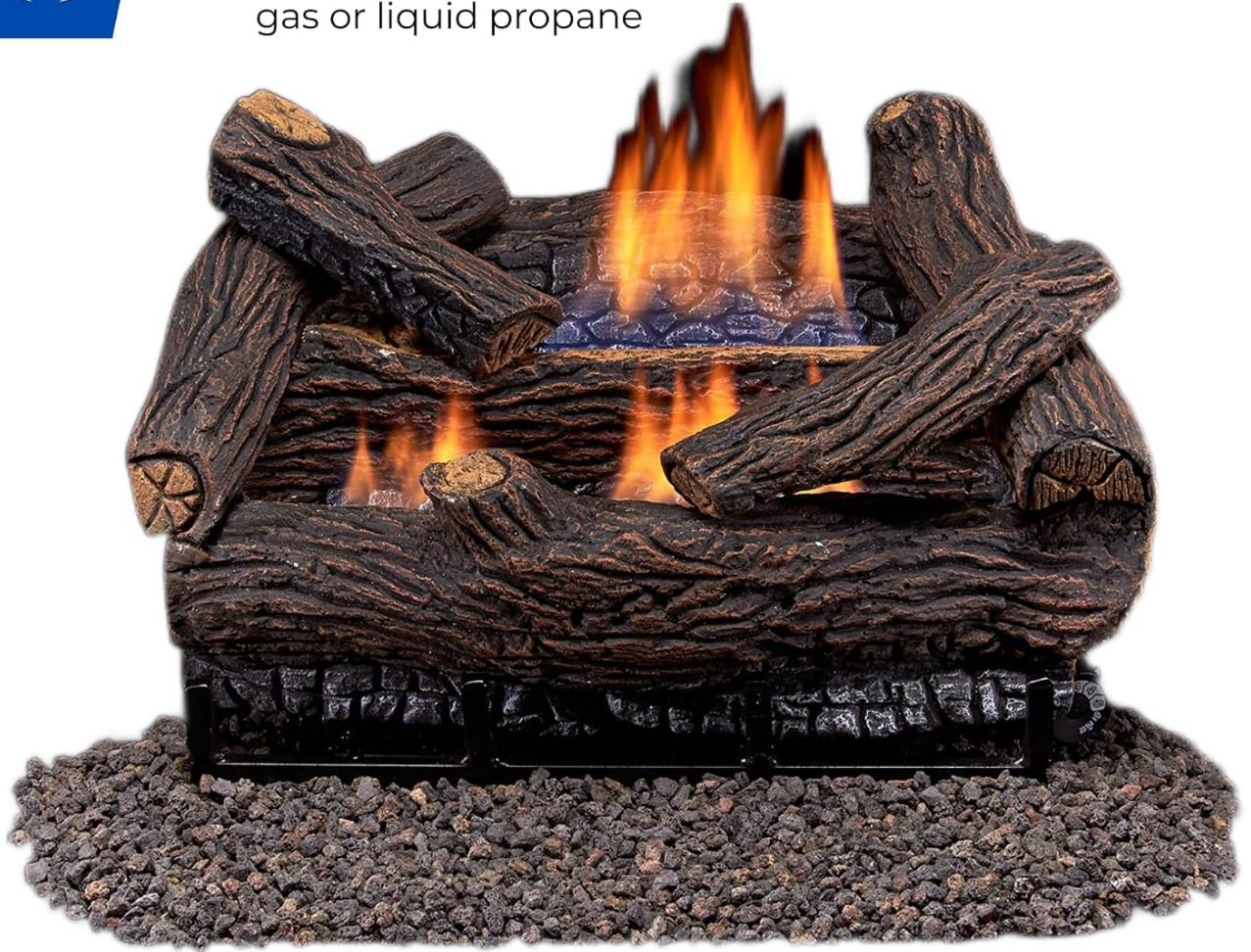


Image: Illustration of the heating capacity and ventless design of the log set.

Key Features:

- **Heat Output:** Up to 30,000 BTUs, capable of heating areas up to 1,100 sq. ft.
- **Fuel Type:** Liquid Propane (LP) only.
- **Control:** Thermostatic control automatically cycles the burner to maintain temperature.
- **Log Design:** 8 hand-painted ceramic fiber logs, molded from real wood for a realistic stacked oak appearance.
- **Burner System:** U-Burner chassis design provides two rows of flames.
- **Efficiency:** 99.9% vent-free efficiency.
- **Ignition:** Battery-assisted Piezo ignition (1 AAA battery included).
- **Safety:** Oxygen Depletion Sensor (ODS) with automatic shut-off.

NATURAL APPEARANCE

Long-lasting hand-painted logs provide a realistic look in your fireplace



7 Hand-Painted Logs



Solid Steel Grate



Image: Detailed view of the hand-painted ceramic logs and solid steel grate, emphasizing the realistic aesthetic.

Setup and Installation

Proper installation is critical for safe and efficient operation. Refer to the detailed installation instructions provided in the separate installation guide for complete steps. This section provides an overview of key requirements and components.

Minimum Firebox Requirements:

- **Height:** 20 inches (H)
- **Width (Front):** 29 inches (W)
- **Width (Rear):** 22 inches (W)
- **Depth:** 13 inches (D)

The log set must be installed in a masonry or agency-approved firebox.

MEASUREMENTS



Minimum Firebox Required:
20"H x 29"W front (22"W rear) x 13"D

Image: Dimensional diagram of the log set and minimum firebox requirements.

Included Components:

Verify all components are present before beginning installation:

- U-Burner Chassis (Qty. 1)
- Hand Painted Ceramic Fiber Logs (Qty. 7)
- Hardware Pack (Qty. 1)
- AAA Battery (Qty. 1) for Piezo ignition

INCLUDES EVERYTHING YOU NEED!



Gas Burner



Hand-Painted Logs



Thermostat Control



Oxygen Depletion Sensor



Hardware Pack

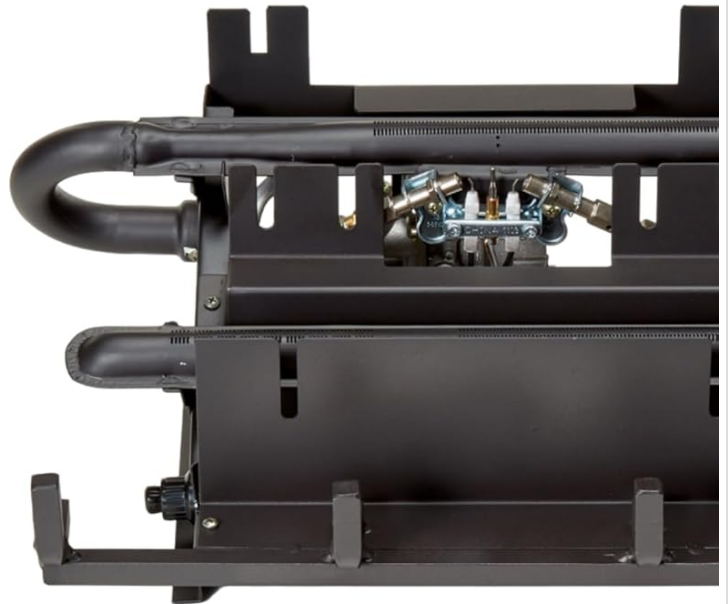


Image: Visual representation of the main components included with the log set.

Log Placement:

Careful placement of the ceramic logs is essential for proper flame appearance and safe operation. Refer to the log placement diagram in the full installation manual. Incorrect log placement can affect burner performance and safety features.

Operating Instructions

Follow these steps to safely operate your Duluth Forge gas log set.

Ignition Procedure:

1. Ensure the gas supply valve is open.
2. Locate the control knob and ignitor button on the unit.
3. Push and hold the control knob in the PILOT position.
4. While holding the knob, repeatedly press the ignitor button until the pilot flame ignites.
5. Continue to hold the control knob in for approximately 30-60 seconds after the pilot ignites to allow the thermocouple to heat up. Release the knob; the pilot should remain lit.
6. Turn the control knob to the desired heat setting (1-5) to engage the main burner.

THERMOSTAT CONTROLS



5 Thermostatic
Heat Settings



Electronic Piezo
Ignition - Requires 1
AAA Battery-Included!

Image: Detailed view of the control knob and ignitor for operating the log set.

Thermostatic Control:

The thermostatic control allows you to set a desired room temperature. The burner will automatically cycle on and off to maintain this temperature. Settings typically range from 1 (lowest heat) to 5 (highest heat).

Shutting Down the Appliance:

1. Turn the control knob to the OFF position.
2. For prolonged shutdown, close the main gas supply valve.

Maintenance

Regular maintenance ensures the longevity and safe operation of your gas log set.

- **Annual Inspection:** Have the appliance inspected annually by a qualified service technician.

- **Cleaning Logs:** Periodically, gently brush the ceramic logs to remove any dust or soot. Handle logs carefully as they are fragile. Do not use liquid cleaners.
- **Pilot and Burner Cleaning:** Keep the pilot and burner ports clean. Dust and debris can obstruct gas flow and affect ignition or flame quality. Use a soft brush or compressed air.
- **ODS Sensor:** Ensure the Oxygen Depletion Sensor (ODS) is free from dust and obstructions. Do not attempt to clean the ODS sensor with liquids or abrasive materials.
- **Battery Replacement:** Replace the AAA battery for the Piezo ignitor annually or when ignition becomes unreliable.

Troubleshooting

If you experience issues with your gas log set, consult the following common troubleshooting steps. For persistent problems, contact a qualified service technician.

Problem	Possible Cause	Solution
Pilot will not light or stay lit.	No gas supply or low gas pressure.	Check LP tank and supply valve.
	Air in gas line.	Purge air from gas line (consult technician).
	Pilot orifice clogged.	Clean pilot (consult technician).
	Thermocouple not heating sufficiently.	Ensure pilot flame engulfs thermocouple. Hold knob longer.
	ODS sensor malfunction.	Clean ODS sensor. If issue persists, contact service.
Main burner does not ignite.	Incorrect log placement.	Verify logs are placed according to manual.
	Pilot not lit.	Light pilot first.
	Main burner orifice clogged.	Clean burner (consult technician).
Unusual odors.	Thermostat setting too low.	Increase thermostat setting.
	New appliance burn-off.	Initial operation may produce slight odor; this should dissipate.
	Gas leak.	IMMEDIATELY SHUT OFF GAS SUPPLY. Evacuate area and call gas supplier.

Specifications

Specification	Detail
Model Name	DLS-L18T-2
Fuel Type	Liquid Propane (LP)
Heat Output	30,000 BTU
Heating Coverage	Up to 1,100 sq. ft.
Product Dimensions (D x W x H)	18"D x 13"W x 12.5"H
Log Set Size	18 Inch
Material	Ceramic, Metal

Specification	Detail
Ignition Type	Battery Assisted Piezo (1 AAA battery included)
Control Type	Thermostatic
Ventilation Type	Vent Free
Safety Features	Oxygen Depletion Sensor (ODS) with automatic shut-off
Certifications	ANSI Certified System, PFS Approved
Item Weight	10.93 kg
UPC	815192024501

Warranty Information

This Duluth Forge gas log set comes with a**Limited Warranty**. Specific terms and conditions of the warranty are typically provided in a separate document included with your purchase or available on the manufacturer's website. Please retain your proof of purchase for warranty claims.

The limited warranty generally covers manufacturing defects in materials and workmanship under normal use and service. It typically does not cover damage resulting from improper installation, misuse, abuse, accident, or unauthorized repairs.

For detailed warranty information, please refer to the warranty card or contact Duluth Forge customer support.

Customer Support

For technical assistance, replacement parts, or warranty inquiries, please contact Duluth Forge customer support.

- **Manufacturer:** Duluth Forge
- **Website:** www.duluthforge.com *(Note: This is a placeholder URL, please refer to your product packaging or official documentation for the correct support contact information.)*
- **Phone:** Refer to the official Duluth Forge website or product documentation for current contact numbers.

When contacting support, please have your model number (DLS-L18T-2) and proof of purchase readily available.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question