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› [Mr. Heater 30,000 BTU Vent Free Blue Flame Dual Fuel Heater User Manual](#)

Mr. Heater MHVFDF30BFT

Mr. Heater 30,000 BTU Vent Free Blue Flame Dual Fuel Heater User Manual

Model: MHVFDF30BFT

IMPORTANT SAFETY INFORMATION

Read and understand all instructions and warnings in this manual before installing, operating, or servicing this heater. Failure to follow these instructions may result in fire, explosion, property damage, personal injury, or death. This heater is designed for supplemental heating of residential and commercial spaces. Do not use this heater in recreational vehicles or mobile homes.

- Always ensure proper ventilation.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Keep children and pets away from the heater.
- Never operate the heater without the safety guard in place.
- Ensure the gas supply is turned off before any maintenance or service.

PRODUCT OVERVIEW

The Mr. Heater MHVFDF30BFT is a 30,000 BTU Vent Free Blue Flame Dual Fuel Heater designed to provide efficient supplemental heating for areas up to 1,000 sq. ft. It operates on either Propane (LP) or Natural Gas (NG) and features a push-button electronic ignition system. The unit incorporates a patented vent-free dual fuel system with dual valves and dual oxygen depletion sensors for enhanced safety. A manual selector switch ensures correct fuel type installation. This heater can be wall-mounted using the included brackets.

Key Features:

- 30,000 BTU/HR heating capacity.
- Heats up to 1,000 sq. ft.
- Battery-operated electronic spark ignition (AAA battery included).
- Built-in adjustable thermostat.
- No electricity required for basic operation (fan kit sold separately).
- No outdoor venting required.
- Indoor safe design.
- Dual LP/NG Low Oxygen Detection Systems.
- Low oxygen safety shut-off system.

- Optional blower fan kit (F299201) sold separately for enhanced heat circulation.



Image: Front view of the Mr. Heater 30,000 BTU Vent Free Blue Flame Dual Fuel Heater, showing the blue flame burner behind a protective grate.

SETUP AND INSTALLATION

Unpacking:

- Carefully remove the heater from its packaging.
- Inspect for any shipping damage. Do not install if damaged.
- Ensure all components are present: heater unit, wall mounting hardware, AAA battery.

Location Requirements:

- Install on a non-combustible vertical wall.
- Maintain minimum clearances to combustible materials as specified in the manual (refer to the full product manual for exact distances).
- Ensure adequate ventilation in the installation area.
- Do not install in bathrooms, bedrooms, or recreational vehicles.

Gas Connection:

This heater is dual fuel. A manual selector switch is provided to select between Natural Gas (NG) and Propane (LP). Ensure the correct fuel type is selected and connected. If you are not comfortable with gas line installation, consult a qualified professional.

Your browser does not support the video tag.

Video: A user demonstrates the installation of a natural gas line to the Mr. Heater unit, highlighting the connection points and the importance of a shut-off valve. This video provides a visual guide for gas line setup.

Wall Mounting:

- Use the provided wall mounting brackets.
- Securely fasten the brackets to wall studs or use appropriate anchors for drywall.
- Hang the heater unit onto the installed brackets.

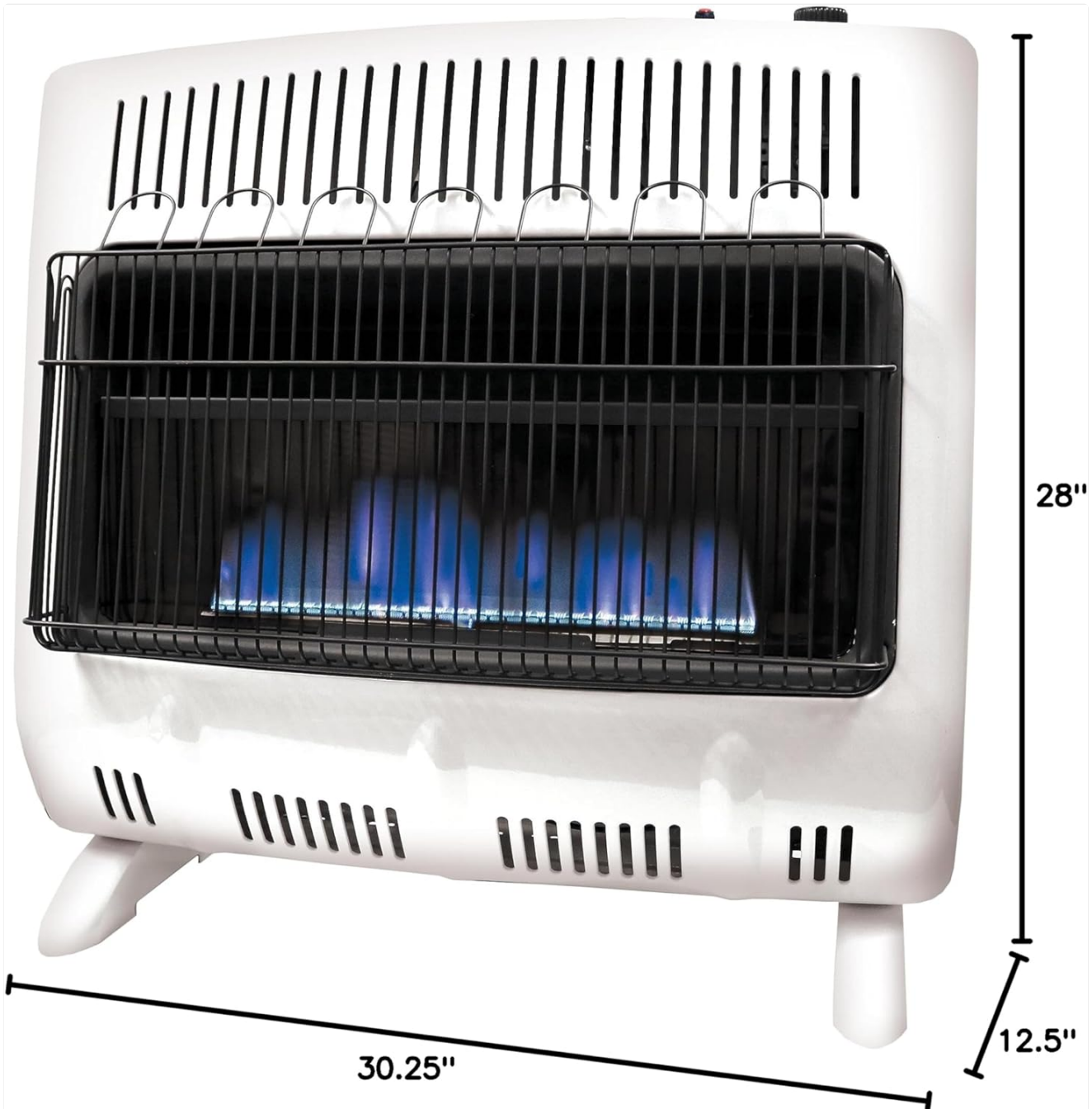


Image: Diagram showing the dimensions of the Mr. Heater 30,000 BTU Vent Free Blue Flame Dual Fuel Heater, useful for planning installation space.

OPERATING INSTRUCTIONS

Lighting the Pilot:

1. Ensure the gas supply valve is open.
2. Turn the control knob to the "PILOT" setting.
3. Press and hold the control knob down.

4. While holding the knob, repeatedly press the electronic igniter button until the pilot flame ignites.
5. Continue to hold the control knob down for 30-60 seconds after ignition to allow the thermocouple to heat up. Release the knob; the pilot should remain lit. If not, repeat steps 3-5.

Your browser does not support the video tag.

Video: A user demonstrates the process of lighting the pilot and main burner on the Mr. Heater unit, showing the control knob and igniter button. This video provides a visual guide for initial startup.

Operating the Main Burner:

1. Once the pilot is lit, slowly turn the control knob from "PILOT" to the desired heat setting (1-5).
2. The main burner will ignite. The flame size will adjust based on the thermostat setting.
3. To turn off the main burner, turn the control knob to the "PILOT" position. The pilot will remain lit.
4. To completely turn off the heater, turn the control knob to the "OFF" position.

Thermostat Operation:

The built-in thermostat modulates the flame size as the room temperature approaches the set point. When the set temperature is reached, the main burner will turn off, leaving only the pilot lit. The burner will automatically reignite when the room temperature drops below the set point. Settings 1-5 correspond to increasing temperatures. The "HI" setting will keep the burner continuously on.

MAINTENANCE

Regular maintenance ensures safe and efficient operation of your heater. Always turn off the gas supply and allow the heater to cool completely before performing any maintenance.

Cleaning:

- **Exterior:** Wipe the exterior surfaces with a soft, damp cloth. Do not use abrasive cleaners.
- **Burner and Pilot:** Periodically inspect the burner and pilot assembly for dust, lint, or debris. Use a soft brush or vacuum cleaner to gently remove any obstructions.
- **Air Intake/Outlet:** Ensure the air intake and outlet grilles are free from blockages.

Annual Inspection:

It is recommended to have a qualified service technician inspect the heater annually to ensure proper operation and safety.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Pilot will not light or stay lit.	No gas supply. Pilot orifice clogged. Thermocouple not heating sufficiently. Low oxygen sensor activated.	Check gas supply valve. Clean pilot orifice (consult manual or technician). Hold control knob longer after ignition. Ensure adequate ventilation.
Main burner will not ignite.	Pilot not lit. Thermostat set too low. Gas supply issue.	Light pilot first. Increase thermostat setting. Check gas supply.
Heater produces unusual odors.	New unit burn-off. Dust accumulation. Improper combustion.	Normal for first few hours of operation. Clean burner and pilot area. Contact a qualified technician.

For further troubleshooting or issues not listed, contact Mr. Heater customer support or a qualified service technician.

SPECIFICATIONS

Feature	Detail
Brand	Mr. Heater
Model Number	MHVDFD30BFT
Heating Capacity	30,000 BTU/HR
Heating Coverage	Up to 1,000 sq. ft.
Fuel Type	Natural Gas, Propane (Dual Fuel)
Ignition Type	Battery Operated Electronic Spark Ignition (1 AAA battery included)
Special Feature	Adjustable Thermostat, Low Oxygen Safety Shut-off System
Mounting Type	Wall Mount (hardware included)
Product Dimensions	11.42"D x 27.36"W x 25.51"H
Item Weight	26.1 pounds
Indoor/Outdoor Usage	Indoor

WARRANTY AND SUPPORT

Warranty Information:

This Mr. Heater product comes with a **1 Year Limited Warranty**. For detailed terms and conditions, please refer to the warranty card included with your product or visit the official Mr. Heater website.

Customer Support:

For technical assistance, troubleshooting, or to inquire about replacement parts, please contact Mr. Heater customer support. Contact information can typically be found on the manufacturer's website or on the product packaging.

Always provide your model number (MHVDFD30BFT) and serial number when contacting support for faster service.

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This manual is for informational purposes only. Specifications are subject to change without notice.