Pentair 460731

Pentair MasterTemp 200K BTU Propane Gas High Performance Eco-Friendly Heater User Manual

Model: 460731

Introduction

Congratulations on your purchase of the Pentair MasterTemp 200K BTU Propane Gas High Performance Eco-Friendly Heater. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your new heater. Please read this manual thoroughly before installation or operation and keep it for future reference. The MasterTemp heater is designed for rapid heating of pools and spas, offering best-in-class energy efficiency and low NOx emissions. Its robust design ensures durability and reliable performance.



Image: Pentair MasterTemp 200K BTU Propane Gas Heater, showing its compact, beige-colored casing with a grey front panel and water connections on the right side.

Safety Information

WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment.

- Always ensure proper ventilation around the heater.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Keep the area around the heater clear and free from combustible materials, debris, and obstructions.
- Only qualified personnel should install, service, or repair this heater.
- Ensure all gas and electrical connections are made according to local codes and regulations.
- Always shut off the gas supply to the heater when service is required.

Setup and Installation

Pre-Installation Checks

- Verify that the heater model (460731) matches your requirements and is designed for propane gas.
- Ensure the installation site meets all local and national building codes, especially regarding gas and electrical connections, ventilation, and clearances.
- Confirm adequate space for installation and future maintenance.
- Inspect the heater for any shipping damage before installation.

Installation Steps (General)

1. **Site Selection:** Choose a level, non-combustible surface for the heater, ensuring proper drainage and clearance from walls and other structures.
2. **Water Connections:** Connect the pool/spa plumbing to the heater's inlet and outlet ports. Ensure all connections are watertight.
3. **Gas Connection:** A qualified gas technician must connect the propane gas supply line to the heater. Ensure proper sizing of the gas line and installation of a manual shut-off valve.
4. **Electrical Connection:** A licensed electrician must connect the heater to the appropriate power supply. Follow all wiring diagrams and local electrical codes.
5. **Ventilation:** Ensure the heater is installed in an area with adequate airflow for combustion and exhaust.
6. **Initial Startup:** After all connections are secure and checked for leaks, follow the initial startup procedure outlined in the full installation manual (not provided here, but implied for a complex device).

Operating Instructions

Digital Display and Controls

The MasterTemp heater features a rotating digital display for easy viewing and control.

- **Power On/Off:** Use the designated power button or switch to turn the heater on or off.
- **Temperature Setting:** Use the up/down arrows or rotary dial on the control panel to set your desired water temperature. The display will show the current water temperature and the set temperature.
- **Mode Selection:** If applicable, select between pool and spa heating modes.
- **Status Indicators:** The display will show various status messages or error codes if issues arise. Refer to the troubleshooting section for common codes.

Normal Operation

Once powered on and a temperature is set, the heater will automatically ignite and begin heating the water to the desired temperature. The heater will cycle on and off to maintain the set temperature.

Maintenance

Regular maintenance ensures the longevity and efficient operation of your MasterTemp heater.

- **Annual Inspection:** It is recommended to have a qualified service technician inspect and service your heater annually, preferably before the heating season.
- **Keep Area Clear:** Regularly clear any debris, leaves, or obstructions from around the heater to ensure proper airflow.

- **Clean Exterior:** Wipe down the exterior of the heater with a damp cloth to keep it clean. Avoid using harsh chemicals.
- **Water Chemistry:** Maintain proper pool/spa water chemistry to prevent scaling or corrosion within the heater's heat exchanger.
- **Gas Shut-off for Service:** As specified, the heater requires manual gas shut-off when service is required. Always turn off the gas supply valve before any maintenance or repair work.
- **Winterization:** If you live in an area subject to freezing temperatures, proper winterization of the heater is crucial to prevent freeze damage. Consult a pool professional for specific winterization procedures.

Troubleshooting

This section provides solutions to common issues you might encounter. For more complex problems or if the issue persists, contact a qualified service technician.

Problem	Possible Cause	Solution
Heater not igniting	No gas supply, low water flow, electrical issue, thermostat setting too low.	Check gas valve, ensure pump is running and filter is clean, verify power supply, increase set temperature.
Low heat output	Incorrect gas pressure, dirty burner, heat exchanger scaling.	Contact a qualified technician to check gas pressure and clean components. Maintain proper water chemistry.
Error code on display	Various sensor or system faults.	Note the specific error code and consult the full manual or contact customer support for diagnosis.
Pilot light not staying lit	Thermocouple issue, gas supply problem.	Contact a qualified gas technician.

Specifications

Model Number: 460731

BTU Rating: 200,000 BTU

Fuel Type: Propane Gas

Dimensions (L x W x H): 36 inches x 25 inches x 30 inches

Item Weight: 152 pounds

Energy Efficiency: Best-in-class

Emissions: Low NOx certified

Display: Rotating digital display

Exterior: Tough, rustproof

Warranty and Support

For specific warranty details, please refer to the warranty card included with your product or visit the official Pentair website. Keep your proof of purchase for warranty claims.
For technical support, parts, or service, please contact Pentair Customer Support. You can find contact information on the Pentair website or in the documentation provided with your heater.
Pentair Official Website: www.pentair.com

© 2023 Pentair. All rights reserved. Information subject to change without notice.

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