Raypak Millivolt Natural Gas Heater 266,000 BTU

Raypak Millivolt Natural Gas Swimming Pool Heater 266,000 BTU - Instruction Manual

1. Introduction

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Raypak Millivolt Natural Gas Swimming Pool Heater, 266,000 BTU. Please read this manual thoroughly before attempting to install, operate, or service the unit. Retain this manual for future reference.

2. 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.

- **Professional Installation:** Installation and service must be performed by a qualified installer, service agency, or gas supplier.
- **Gas Safety:** This appliance uses natural gas. Ensure proper ventilation and check for gas leaks according to local codes. If you smell gas, immediately shut off the gas supply, evacuate the area, and contact emergency services.
- **Water Chemistry:** Maintain proper pool water chemistry to prevent damage to the heater and ensure safe operation.
- **Clearances:** Maintain adequate clearances around the heater for proper ventilation and service access.

3. Product Overview and Features

The Raypak Millivolt Natural Gas Swimming Pool Heater is designed to efficiently heat your pool or spa. Key features include:

- **Durable Cabinet:** Features a polyester-coated, non-corrosive cabinet, offering enhanced durability compared to standard metal cabinets.
- **Low-Profile Design:** Engineered for natural drafting in outdoor installations.
- **Millivolt Ignition:** Utilizes a reliable millivolt ignition system.

- **High Efficiency:** Designed for energy-smart operation, consistently achieving high efficiency ratings.
- **Copper Heat Exchanger:** Equipped with a robust copper heat exchanger for effective heat transfer.



This image displays the Raypak Millivolt Natural Gas Swimming Pool Heater. The unit features a dark gray and black cabinet with the Raypak logo visible on the front panel. On the right side, two pipe connections are visible for water circulation. The top of the unit includes a vent.

4. Setup and Installation

Installation of this gas heater requires specialized knowledge and adherence to local codes. It is strongly recommended that installation be performed by a qualified, licensed professional.

- **Location:** Install the heater outdoors in a location that allows for proper ventilation and drainage. Ensure it is not exposed to corrosive chemicals or excessive wind.
- **Gas Supply:** Connect the heater to a natural gas supply line of adequate size, ensuring all connections are leak-free and comply with local gas codes.

- **Water Connections:** Connect the pool's plumbing to the heater's inlet and outlet ports. Ensure proper water flow and pressure.
- **Electrical Connections:** For millivolt models, minimal electrical connection may be required for controls, if applicable. Consult the specific wiring diagram provided with your unit.
- **Ventilation:** The low-profile design is intended for natural drafting. Ensure no obstructions impede airflow around the unit.

5. Operating Instructions

Before operating, ensure the pool pump is running and water is flowing through the heater.

5.1. Initial Startup (Pilot Ignition)

1. Ensure the gas supply valve to the heater is open.
2. Locate the gas control valve on the heater.
3. Turn the gas control knob to the 'PILOT' position.
4. Press and hold the gas control knob while simultaneously pressing the igniter button (if present) or using a long lighter to ignite the pilot flame. Hold the knob for approximately 30-60 seconds after the pilot lights to ensure it remains lit.
5. Release the knob. If the pilot goes out, repeat steps 3-5.
6. Once the pilot is stable, turn the gas control knob to the 'ON' position.

5.2. Setting Desired Temperature

Adjust the temperature control knob or thermostat to your desired pool or spa water temperature. The heater will cycle on and off to maintain this setting.

5.3. Shutting Down the Heater

- For temporary shutdown, turn the temperature control to its lowest setting or turn the gas control knob to the 'PILOT' position.
- For extended shutdown or service, turn the gas control knob to the 'OFF' position and close the main gas supply valve to the heater.

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your heater. Always disconnect the gas supply before performing any maintenance.

- **Annual Inspection:** Have a qualified service technician inspect the heater annually, preferably before the heating season.
- **Keep Area Clear:** Ensure the area around the heater is free from combustible materials, debris, and obstructions to airflow.
- **Clean Exterior:** Wipe down the exterior cabinet with a damp cloth as needed. Do not use harsh chemicals.
- **Water Chemistry:** Continuously monitor and maintain proper pool water chemistry to prevent scale buildup and corrosion within the heat exchanger.
- **Winterization:** In colder climates, proper winterization is crucial to prevent freeze damage. Consult a professional for specific winterization procedures for your region.

7. Troubleshooting

Before calling for service, review these common issues. For complex problems, contact a qualified service technician.

Problem	Possible Cause	Solution
Heater does not ignite / Pilot light won't stay lit	No gas supply; Pilot orifice clogged; Thermocouple faulty; Insufficient water flow.	Check gas valve; Clean pilot orifice (professional); Replace thermocouple (professional); Ensure pump is running and filter is clean.
Heater cycles on and off frequently	Low water flow; High limit switch tripping; Thermostat setting too low.	Check pump and filter; Inspect for blockages; Adjust thermostat.
Insufficient heating	Incorrect thermostat setting; Low gas pressure; Dirty heat exchanger.	Adjust thermostat; Contact gas supplier; Professional cleaning of heat exchanger.

8. Specifications

- **Brand:** Raypak
- **Model Type:** Millivolt Natural Gas Heater
- **BTU Output:** 266,000 BTU
- **Fuel Type:** Natural Gas
- **Cabinet Material:** Polyester-coated, non-corrosive
- **Heat Exchanger:** Copper
- **Ignition Type:** Millivolt
- **Installation:** Outdoor

9. Warranty and Support

For specific warranty details, please refer to the warranty card included with your product or visit the official Raypak website. For technical support, parts, or service, please contact Raypak customer service or an authorized Raypak service provider in your area.

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

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for

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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