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Raypak 009216

Raypak 206,000 BTU Digital Electronic Ignition Natural Gas Pool Heater User Manual

Model: 009216

INTRODUCTION

The Raypak Digital Gas Pool and Spa Heater, Model 009216, is engineered to maintain optimal pool or spa temperatures. This unit features a low-profile design, a corrosion-resistant galvanized metal cabinet, and a copper fin tube heat exchanger, providing efficient and reliable performance in various weather conditions.



Image: Cutaway view of the Raypak Digital Pool Heater, highlighting its internal components and robust construction.

SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your Raypak pool heater. It is highly recommended that installation be performed by a qualified professional to ensure compliance with all local codes and safety standards, especially for gas and electrical connections.

Installation Tips

- Ensure the heater is installed after the pump and filter in your pool's circulation system.
- Verify the existing gas line size and the distance from the gas source to the heater to confirm it is adequately sized for the unit's requirements.
- For saltwater pools, install a swing check valve after the heater but before the salt cell to prevent corrosion.

INSTALL TIPS

- 1** Make sure heater is installed after the pump and filter
- 2** Check the existing gas line size and distance from the gas source to the heater to ensure it's properly sized to run the unit
- 3** For saltwater pools, install a swing check valve after the heater before the salt cell



Image: Visual guide for key installation considerations, including placement relative to pump/filter, gas line sizing, and saltwater pool precautions.

Dimensions and Clearances

The heater requires adequate space for proper ventilation and maintenance access. Refer to the diagram and table below for specific dimensions and recommended clearances.

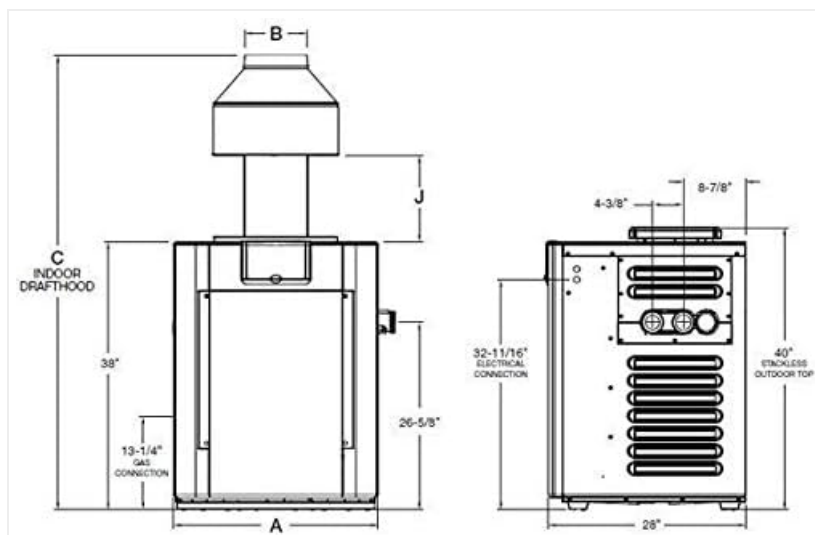


Image: Engineering diagram detailing the physical dimensions and connection points for the pool heater, including flue, gas, and water connections.

Heater Model Specifications (R206A)

Heater Model	BTUH Input (000)	Cabinet Width (A)	Flue Diameter (B)	Indoor Drafthood (C)	(J) Minimum	Gas Conn.	Water Conn.	Shipping Weights (lbs) w/ Polymer Headers and Stackless Top	Indoor Drafthood (lbs)
R206A	199.5	20"	6"	61-5/8"	11-7/8"	3/4"	2"	187	14
R266A	266.0	23"	7"	62"	11"	3/4"	2"	210	16
R336A	332.5	26"	8"	63"	10-5/8"	3/4"	2"	230	19
R406A	399.0	29"	9"	64-1/2"	12-5/16"	3/4"	2"	249	21

Table: Detailed specifications for various Raypak heater models, including BTUH input, physical dimensions, connection sizes, and shipping weights.

OPERATING INSTRUCTIONS

The Raypak pool heater features a user-friendly digital control panel for easy operation and temperature management. The unit is designed for intermittent spark ignition, meaning the pilot only activates when there is a demand for heat.

Digital Control Panel Overview

The control panel, located on the top of the unit, provides access to all operational settings. It typically includes:

- **On/Off Switch:** To power the unit on or off.
- **Service Button:** For accessing diagnostic information or service modes.
- **Mode Button:** To switch between different operating modes (e.g., pool, spa).
- **Up/Down Arrows:** To adjust the desired water temperature.
- **Connect Button:** For integrating with a remote control application, allowing you to set and adjust pool temperatures remotely.

The digital display shows the current pool temperature and the set temperature. Ensure the unit is connected to a standard electrical outlet for power. For detailed instructions on specific functions and settings, refer to the complete user manual provided with your heater.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Raypak pool heater. Adhering to these tips will help prevent common issues and maintain efficiency.

Key Maintenance Practices

- Maintain balanced pool water chemistry to prevent scaling and corrosion within the heater's components.
- Keep the area around the heater clean and clear of debris to ensure proper airflow and ventilation.
- Regularly inspect the unit for any signs of water or gas leaks. Address any leaks immediately.
- If the heater will not be used for extended periods, install a bypass valve to protect the unit.

MAINTENANCE TIPS

- 1** Balance pool water chemistry to prevent scaling and corrosion
- 2** Keep area around heater clean and open
- 3** Inspect for water and gas leaks regularly
- 4** Install a bypass valve if heater will not be used for long periods of time



Image: Visual guide for essential maintenance tasks, including water chemistry, clear surroundings, leak inspection, and bypass valve use.

TROUBLESHOOTING

Should you encounter issues with your Raypak pool heater, consult the comprehensive troubleshooting guide in the full product manual. Common issues may include ignition problems, temperature discrepancies, or error codes on the digital display. For complex problems or if you are unsure, contact a certified pool heater technician or Raypak customer support.

SPECIFICATIONS

- **Product Dimensions:** 43 x 31 x 26.3 inches
- **Manufacturer:** Raypak
- **Model Number:** 009216 (P-R206A-EN-C)
- **BTUH Input:** 206,000 BTU (Digital Electronic Ignition Natural Gas)
- **Ignition Type:** Intermittent spark ignition
- **Heat Exchanger:** Copper fin tube
- **Cabinet Material:** Corrosion-resistant galvanized metal

- **Features:** High efficiency, small footprint, digital control panel, app connectivity.



Image: Overview of the benefits of using a pool heater, such as extending the swimming season and maintaining a controlled water temperature.

WARRANTY AND SUPPORT

Raypak recommends professional installation for this pool heater. Please note that self-installation may affect warranty coverage. For warranty claims, technical support, or service inquiries, please contact Raypak customer service directly. Always refer to your purchase documentation for specific warranty terms and conditions.