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## Hayward H250FDN

# Hayward H250FDN Universal H-Series Pool and Spa Heater

MODEL: H250FDN

## Introduction

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The Hayward Universal H-Series 250,000 BTU Natural Gas Pool and Spa Heater (Model H250FDN) is designed for efficient and reliable heating of your pool or spa. This heater features an industry-leading hydraulic design that contributes to reduced circulation pump run time, potentially offering energy savings. It incorporates low NOx emissions and a standard Cupro nickel heat exchanger for enhanced durability and performance. The design offers ultimate installation flexibility for both new and existing equipment pads.



Image: Hayward H250FDN Universal H-Series Pool and Spa Heater. This image displays the compact, rectangular design of the heater unit, featuring a control panel on the front and plumbing connections on the side.

## Setup

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Proper installation is crucial for the safe and efficient operation of your Hayward H250FDN heater. Due to the nature of gas appliances, professional installation by a qualified technician is highly recommended to ensure compliance with local codes and safety standards.

Key installation features include:

- **Flexible Plumbing:** The heater is designed for left or right-side plumbing connections, allowing for versatile placement on your equipment pad.
- **Gas Hookup:** Gas connections can be configured for either the left or right side to accommodate various gas line layouts.
- **Electrical Connections:** Electrical wiring can also be routed from either the left or right side, simplifying the electrical hookup process.

These flexible options are intended to make installation on any pad configuration simple and efficient.

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Video: Hayward H200FDN Universal H-Series Pool and Spa Heater Overview. This video provides an overview of the Hayward H-Series heater, highlighting its features and installation flexibility, which are largely consistent across the Universal H-Series models.

## Operating Instructions

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The Hayward H250FDN heater features a user-friendly digital control panel for easy operation. The panel typically includes buttons for selecting modes (Pool/Spa), adjusting temperature settings, and viewing status indicators.

To operate the heater:

1. **Power On:** Ensure the heater has power and the gas supply is open.
2. **Select Mode:** Use the 'MODE' button to switch between 'POOL' and 'SPA' heating modes.
3. **Set Temperature:** Use the 'TEMP SET' up and down arrows to adjust your desired water temperature. The digital display will show the current water temperature and your set point.
4. **Monitor Status:** Observe the 'SERVICE' and 'HEAT' indicators. 'HEAT' illuminates when the burner is active. If a fault occurs, the 'SERVICE' light may illuminate, and an error code might appear on the display.

Refer to the detailed owner's manual for specific instructions on advanced settings and error code interpretations.

## Maintenance

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Regular maintenance ensures the longevity and optimal performance of your Hayward H250FDN heater. The standard Cupro nickel heat exchanger is designed for durability, but proper care is still essential.

Recommended maintenance practices:

- **Regular Inspection:** Periodically inspect the heater for any visible signs of wear, corrosion, or blockages around the air intake and exhaust vents.
- **Keep Area Clear:** Ensure the area around the heater is free from debris, leaves, and any combustible materials to maintain proper airflow and prevent fire hazards.
- **Water Chemistry:** Maintain proper pool/spa water chemistry. Imbalanced water can lead to corrosion or scaling within the heat exchanger, reducing efficiency and lifespan.
- **Professional Servicing:** Schedule annual professional servicing by a qualified pool heater technician. They can inspect internal components, clean the heat exchanger, and verify gas pressure and combustion efficiency.
- **Winterization:** In colder climates, follow proper winterization procedures to protect the heater from freezing damage.

## Troubleshooting

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If your Hayward H250FDN heater is not operating as expected, consider the following common troubleshooting steps before contacting a service professional:

- **No Heat/Low Heat:** Check the set temperature on the control panel to ensure it is higher than the current water temperature. Verify that the heater is in the correct mode (Pool or Spa).
- **Heater Not Firing:** Confirm that the gas supply valve is open and that there is sufficient gas pressure. Check the electrical breaker for the heater to ensure it has not tripped.
- **Error Codes:** If an error code is displayed on the control panel, consult your full owner's manual for specific diagnostic information related to that code.

- **Water Flow Issues:** Ensure the pool pump is running and providing adequate water flow to the heater. Low flow can prevent the heater from activating. Check for clogged filters or closed valves.
- **Unusual Noises:** Any unusual sounds should be investigated by a qualified technician.

For persistent issues or complex problems, always contact a certified Hayward service technician.

## Specifications

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<b>Model Number</b>	H250FDN
<b>BTU Output</b>	250,000 BTU
<b>Fuel Type</b>	Natural Gas
<b>NOx Emissions</b>	Low NOx
<b>Heat Exchanger Material</b>	Cupro Nickel (Standard)
<b>Product Dimensions</b>	29 x 28 x 24 inches
<b>Item Weight</b>	165 pounds
<b>Manufacturer</b>	Hayward

## Warranty

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Hayward products are backed by a manufacturer's warranty. Specific warranty terms and conditions, including coverage duration and claim procedures, are detailed in the warranty card included with your product and on the official Hayward website. Please retain your proof of purchase for warranty claims.

## Support

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For further assistance, technical support, or to locate an authorized service provider, please visit the official Hayward website:

**[www.haywardpool.com](http://www.haywardpool.com)**

You may also find helpful resources, FAQs, and additional product documentation on their support pages.