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› Hayward H200FDN Universal H-Series 200,000 BTU Pool and Spa Heater Instruction Manual

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INTRODUCTION

This manual provides essential instructions for the safe and efficient installation, operation, and maintenance of your Hayward H200FDN Universal H-Series 200,000 BTU Pool and Spa Heater. This unit is designed to provide reliable heating for your pool or spa, featuring an energy-efficient design and low NOx emissions. Please read all instructions carefully before proceeding.



Figure 1: Hayward H200FDN Universal H-Series Pool and Spa Heater. This image shows the exterior of the heater unit, including the control panel and plumbing connections.

SETUP AND INSTALLATION

Installation of the Hayward H200FDN heater requires specialized knowledge of gas, electrical, and plumbing systems. It is strongly recommended that installation be performed by a qualified and licensed professional to ensure safety and compliance with local codes.

Key Installation Considerations:

- **Location:** Ensure the heater is installed in a well-ventilated area, away from combustible materials, and with adequate clearance for service.
- **Plumbing Connections:** The unit features 2-inch x 2 1/2-inch CPVC union plumbing connections. Ensure proper sizing and sealing to prevent leaks and optimize water flow. The patented polymer header provides superior hydraulic performance.
- **Gas Connection:** Connect the heater to a natural gas supply line according to local codes. Verify gas pressure and perform leak tests.
- **Electrical Connection:** Provide the correct voltage and amperage as specified in the electrical requirements section of the full manual. All wiring must comply with national and local electrical codes.
- **Ventilation:** The forced draft system constantly moves air through the combustion chamber at a precise flow rate, eliminating outside weather variables. Ensure proper venting is established.

Proposition 65 Warning: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

OPERATING INSTRUCTIONS

Once properly installed and connected, operating your Hayward H200FDN heater is straightforward. The unit is designed for user-friendly control.

Starting the Heater:

1. **Power On:** Ensure the main power switch to the heater is in the "ON" position.
2. **Set Desired Temperature:** Use the easy-to-read LED control panel to set your desired water temperature for the pool or spa. The digital temperature readout will display the current and set temperatures.
3. **Pump Operation:** Ensure your circulation pump is running. The heater will only activate when there is sufficient water flow.
4. **Ignition:** The heater will automatically ignite and begin heating the water to the set temperature.

Key Operational Features:

- **Energy Efficiency:** An industry-leading hydraulic design reduces circulation pump run-time, potentially providing energy savings of up to 18% compared to less efficient models.
- **Low NOx Emissions:** This heater meets clean air quality standards, contributing to environmental responsibility.
- **Diagnostic Display:** The LED control panel provides diagnostics for quick identification of components that might need service, simplifying troubleshooting.

MAINTENANCE

Regular maintenance is crucial for the longevity and efficient operation of your Hayward H200FDN heater. Adhering to a maintenance schedule will help prevent issues and ensure consistent performance.

Recommended Maintenance Practices:

- **Annual Inspection:** It is recommended to have a qualified service technician inspect the heater annually, preferably before the heating season begins.
- **Cleanliness:** Keep the area around the heater clear of debris, leaves, and other obstructions to ensure proper airflow and prevent fire hazards.
- **Water Chemistry:** Maintain proper pool/spa water chemistry. Imbalanced water can lead to corrosion and scaling, particularly affecting the heat exchanger. The standard cupro nickel heat exchanger offers excellent salt water and chemical corrosion resistance, but proper water balance is still essential.
- **Heat Exchanger:** The patented single header "V" baffle design heat exchangers allow for long life and fast heating. While designed for durability, regular checks for any signs of wear or corrosion are advisable.

TROUBLESHOOTING

The Hayward H200FDN heater is equipped with diagnostic capabilities to assist in identifying potential issues. Refer to the LED control panel for error codes and messages.

Common Issues and Solutions:

- **Heater Not Starting:**
 - Check if the main power switch is ON.

- Verify the circulation pump is running and providing adequate water flow.
- Ensure the gas supply valve is open.
- Check the LED display for any error codes.

- **Insufficient Heating:**

- Confirm the set temperature on the control panel is higher than the current water temperature.
- Inspect for proper gas pressure.
- Ensure the heat exchanger is not obstructed or scaled.

- **Error Codes:**

Consult the full product manual for a comprehensive list of error codes and their corresponding troubleshooting steps. Many issues can be resolved by following the instructions provided by the diagnostic system.

For complex issues or if you are unsure about a repair, contact a qualified service technician.

SPECIFICATIONS

Feature	Detail
Model Number	H200FDN
Heating Capacity	200,000 BTU
Fuel Type	Natural Gas
Emissions	Low NOx
Heat Exchanger Material	Cupro Nickel
Plumbing Connections	2 in x 2 1/2 in CPVC Union
Item Weight	161 pounds
Manufacturer	Hayward
ASIN	B002EL4112

WARRANTY & SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official Hayward website. Keep your proof of purchase for warranty claims.

For technical support, service, or to locate an authorized service center, please contact Hayward customer service. You can also visit the [Hayward Store on Amazon](#) for additional product information and resources.

