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Harvia ZSS-120

Finlandia Electric Heating Element User Manual

Model: ZSS-120 | Brand: Harvia

1. Introduction

Welcome to the user manual for the Finlandia Electric Heating Element. This document provides essential information for the safe and effective installation, operation, and maintenance of your heating element. Please read this manual thoroughly before attempting any installation or service.

2. Safety Information

Your safety is paramount. Please observe the following safety precautions:

- **Electrical Hazard:** Always disconnect power to the sauna heater at the main circuit breaker before attempting any installation, maintenance, or inspection. Failure to do so can result in serious injury or death.
- **Professional Installation:** Installation and replacement of the heating element should only be performed by a qualified and licensed electrician or sauna technician. Improper installation can lead to electrical shock, fire, or damage to the equipment.
- **High Temperature:** Heating elements become extremely hot during operation. Allow the sauna heater and element to cool completely before handling.
- **Compatibility:** Ensure the replacement element is compatible with your specific sauna heater model (K10G-U3, ZSS-120, 3ph 10kw Finlandia and Harvia Club Sauna Heaters). Using an incompatible element can cause damage or safety hazards.
- **Handling:** Handle the element carefully to avoid bending or damaging the heating coils or terminals.

3. Product Description

The Finlandia Electric Heating Element for Sauna Stove K10G-U3 is a high-quality replacement component designed to restore or maintain the heating performance of your sauna. This element is specifically engineered for 3-phase (3ph) 10kW Finlandia and Harvia Club Sauna Heaters, including the ZSS-120 model.

Crafted from durable stainless steel, this heating element is built to withstand the demanding conditions of a sauna environment, including high temperatures and humidity. Its robust construction ensures longevity and reliable heat generation, providing consistent warmth for your sauna experience.



This image displays the Finlandia Electric Heating Element, characterized by its long, coiled heating tubes and the two electrical connection terminals at the base. The element is designed to fit within compatible sauna stoves.

4. Installation (Replacement)

This heating element is intended as a replacement part. The following steps outline the general procedure for replacing an existing element. **Always consult your sauna heater's specific manual and ensure installation is performed by a qualified professional.**

1. **Disconnect Power:** Turn off the main power supply to the sauna heater at the circuit breaker. Verify that the power is off using a voltage tester.
2. **Allow Cooling:** If the sauna has been in use, allow the heater and existing element to cool down completely before touching.
3. **Access Element:** Carefully open the sauna heater's casing or access panel to expose the heating elements.
4. **Identify and Disconnect Old Element:** Note the wiring connections to the element being replaced. Disconnect the electrical wires from the terminals of the old element.
5. **Remove Old Element:** Unfasten any mounting screws or clips securing the old element in place and carefully remove it from the heater.
6. **Install New Element:** Insert the new Finlandia Electric Heating Element into the heater, ensuring it is correctly seated and aligned with the mounting points. Secure it with any necessary screws or clips.
7. **Connect Wiring:** Reconnect the electrical wires to the terminals of the new element, ensuring a secure and correct connection according to the heater's wiring diagram. Double-check all connections.
8. **Close Casing:** Replace the heater's casing or access panel, ensuring all screws are tightened.
9. **Restore Power and Test:** Restore power to the sauna heater at the circuit breaker. Follow your sauna heater's operating instructions to test the new element's functionality. Observe for proper heating and ensure no unusual noises or smells are present.

5. Operating

The Finlandia Electric Heating Element functions as an integral part of your sauna heater. Once correctly installed within a compatible sauna stove and connected to the power supply, its operation is controlled by the sauna heater's thermostat and timer. The element will heat up when the sauna heater is activated and will maintain the desired temperature set on the heater's controls.

6. Maintenance

Regular maintenance helps ensure the longevity and efficiency of your heating element. Always ensure the power is disconnected and the element is cool before performing any maintenance.

- **Inspection:** Periodically inspect the heating element for any visible signs of damage, such as cracks, corrosion, or deformation. If any damage is observed, the element should be replaced by a qualified professional.
- **Cleaning:** Dust or debris may accumulate on the element over time. Gently brush off any loose particles when the element is cool and dry. Do not use water or harsh chemical cleaners directly on the element.
- **Terminal Connections:** Ensure that the electrical connections to the element terminals remain tight and free from corrosion. This should be checked by a qualified electrician during routine sauna maintenance.

7. Troubleshooting

If your sauna heater is not functioning correctly after element replacement, consider the following:

- **No Heat:**
    - Check if the main power supply to the sauna heater is on.
    - Verify that all electrical connections to the element are secure and correct.
    - Ensure the sauna heater's thermostat and timer settings are correctly configured.
    - If other elements in the heater are working, the newly installed element might be faulty (unlikely for new parts, but possible).
- **Insufficient Heat:**
    - Confirm the element's power rating (10kW) matches the heater's requirements.
    - Check for proper ventilation around the heater.
- **Overheating or Tripping Breaker:**
    - Immediately disconnect power. This indicates a serious electrical issue.
    - Do not attempt to operate the heater until inspected by a qualified electrician.

Important: For any electrical issues or persistent problems, always contact a qualified electrician or sauna technician. Do not attempt complex repairs yourself.

8. Specifications

Attribute	Specification
Model Number	ZSS-120
Power Rating	10 kW
Voltage Compatibility	3-phase (3ph)

Material	Stainless Steel
Compatibility	Finlandia and Harvia Club Sauna Heaters (K10G-U3)
Manufacturer	Harvia

9. Warranty and Support

For information regarding warranty coverage, technical support, or replacement parts, please contact your authorized Harvia dealer or the manufacturer directly. Keep your purchase receipt as proof of purchase for any warranty claims.

For further assistance, refer to the complete user manual of your specific Harvia or Finlandia sauna heater model.

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