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› Sannover Modulating Electric Boiler 15 kW Single-Phase Heating Only User Manual

Sannover ChElecSannover15M

Sannover Modulating Electric Boiler 15 kW Single-Phase Heating Only User Manual

Model: ChElecSannover15M

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Sannover Modulating Electric Boiler, model ChElecSannover15M. Please read this manual thoroughly before installation and use, and keep it for future reference. Adherence to these instructions is crucial for optimal performance and to ensure warranty validity.

2. SAFETY INFORMATION AND WARRANTY CONDITIONS

Important Safety Notice:

- **Professional Installation Required:** For your safety and to ensure the manufacturer's 2-year parts warranty, this electric boiler **must be installed by a qualified professional**.
- **Professional Diagnosis and Repair:** In case of a malfunction, a diagnosis performed by a qualified professional will be required. All maintenance and potential repairs must also be carried out by a qualified professional. Failure to comply with these conditions will void the warranty.
- **Package Inspection:** It is imperative to verify the good condition of the package upon delivery, both externally and internally. Without a claim made at the time of delivery, no product exchange or refund will be possible for damage incurred during transit.
- **Electrical Safety:** Ensure the boiler is connected to a properly grounded electrical supply as per local regulations.
- **Water Pressure:** Do not exceed the maximum permissible water pressure for the system.

3. PRODUCT OVERVIEW AND COMPONENTS

The Sannover Modulating Electric Boiler is a compact and quiet heating-only unit designed for central heating systems. It features electronic modulation with multiple power stages for efficient operation.





Image 1: Front view of the Sannover Modulating Electric Boiler. This image displays the boiler's sleek white casing with a digital display and control buttons located at the bottom front. The display shows "38" which likely indicates temperature or power setting, along with

various icons.

Included Components:

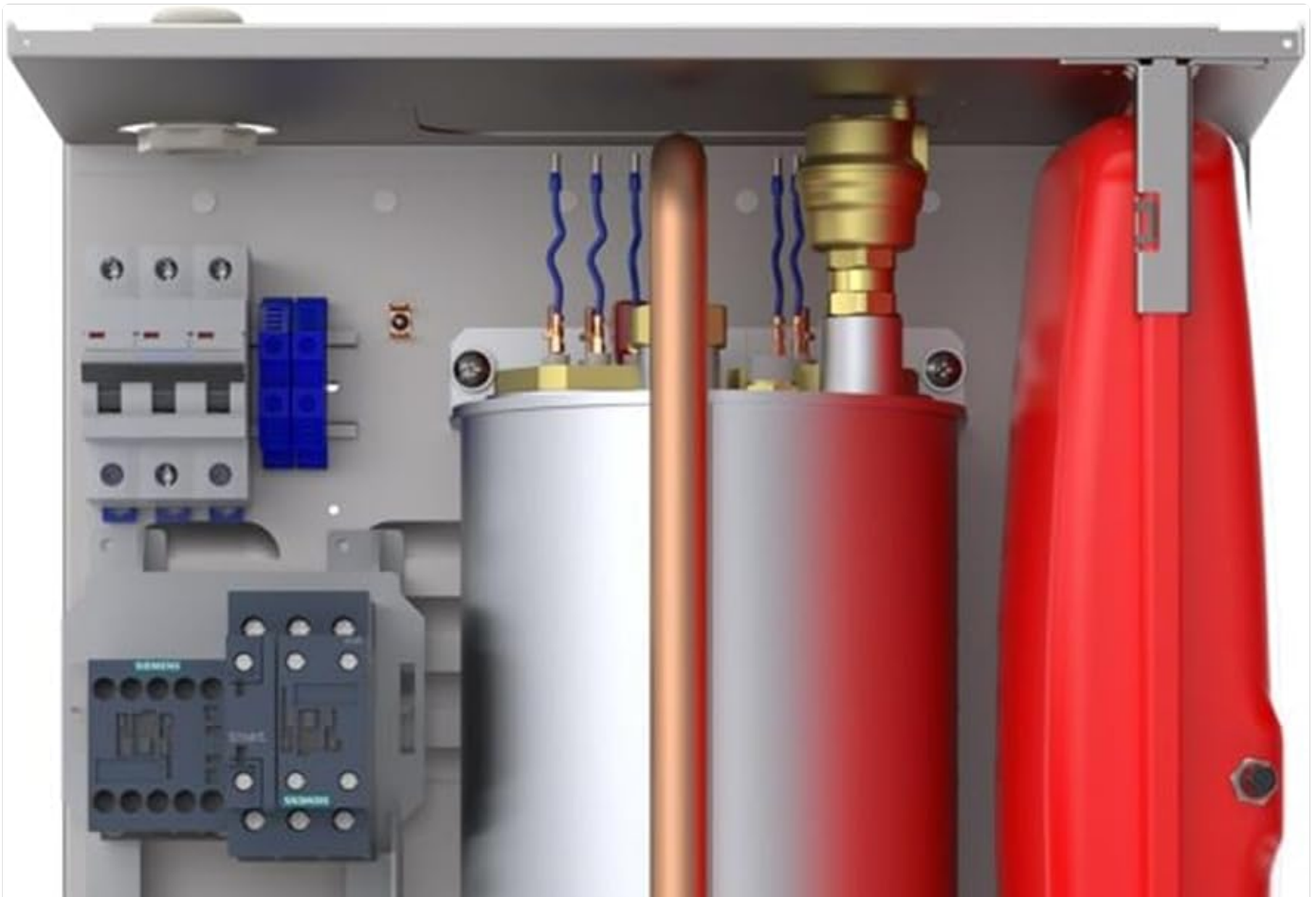
- Integrated outdoor temperature sensor
- 6-liter expansion vessel
- Electronic circulator pump
- 3 Bar safety valve
- Pressure gauge
- Automatic air vent

Key Features:

- Equipped with both indoor and outdoor temperature sensors for precise control.
- Adjustable temperature range from 20°C to 85°C.
- Copper heating element for durability and efficiency.
- Can operate autonomously or be controlled by an optional room thermostat.
- Designed for central heating (domestic hot water preparation possible with an optional indirect hot water tank equipped with a coil).
- Compact and quiet operation.
- Electronic modulation (semiconductors) with 6 power stages.
- Thermal switch for emergency power cut-off.

Optional Components (for Domestic Hot Water coupling):

- 3-way valve with servo motor
- DHW sensor



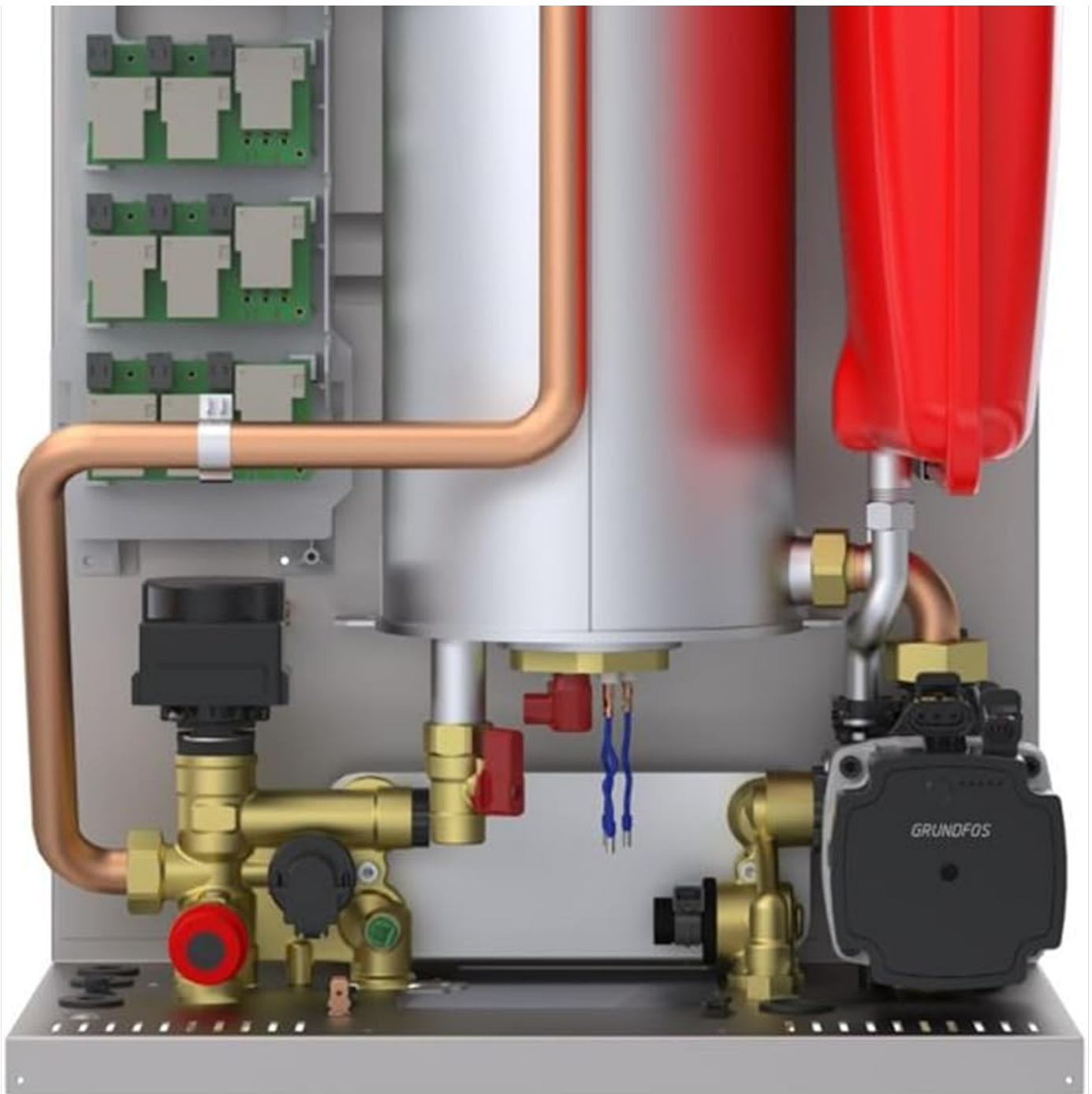


Image 2: Internal view of the Sannover Modulating Electric Boiler. This image shows the internal layout of the boiler, revealing the copper piping, heating element (silver cylinder), expansion vessel (red component), electronic control board, and the Grundfos circulator pump at the bottom right.

4. SETUP AND INSTALLATION

Installation of this appliance must be performed by a qualified and certified heating engineer in accordance with all local and national regulations and standards.

- **Location:** Choose a suitable location that allows for proper ventilation, access for maintenance, and is protected from freezing temperatures.
- **Mounting:** Securely mount the boiler to a sturdy wall using appropriate fixings.
- **Water Connections:** Connect the heating system flow and return pipes to the boiler's G 3/4" water connections. Ensure all connections are watertight.
- **Electrical Connection:** Connect the boiler to a dedicated single-phase (230V) electrical circuit with appropriate overcurrent protection. Wiring must comply with local electrical codes.

- **System Filling:** Fill the heating system with water and vent all air from the system. Check for leaks.
- **Initial Startup:** Follow the qualified installer's instructions for the initial startup procedure, including checking system pressure and functionality.



Image 3: Sannover Modulating Electric Boiler installed on a wall in a kitchen setting. This image demonstrates the compact size and aesthetic integration of the boiler into a modern living space, mounted above a countertop.

5. OPERATING INSTRUCTIONS

Once installed and commissioned by a professional, your Sannover electric boiler is designed for user-friendly operation.

- **Power On/Off:** Use the main power switch on the boiler (or the ON/OFF button on the control panel) to turn the unit on or off.
- **Temperature Adjustment:** Use the '+' and '-' buttons on the control panel to adjust the desired heating water temperature. The temperature can be set between 20°C and 85°C.
- **Modulation:** The boiler automatically modulates its power output across 6 stages to maintain the set temperature

efficiently, adapting to the heating demand.

- **Room Thermostat (Optional):** If an optional room thermostat is connected, the boiler will operate according to the thermostat's settings, providing room temperature control.
- **Display:** The digital display shows the current operating status, temperature, and any error codes. Refer to the installer for specific error code interpretations.

6. MAINTENANCE

Regular maintenance by a qualified professional is essential to ensure the longevity, efficiency, and safe operation of your Sannover electric boiler.

- **Annual Inspection:** It is recommended to have the boiler inspected and serviced annually by a qualified heating engineer.
- **Pressure Check:** Periodically check the system pressure gauge. If the pressure is too low, consult your installer for instructions on how to repressurize the system or to identify potential leaks.
- **Cleaning:** Keep the exterior of the boiler clean. Do not use abrasive cleaners.
- **Do Not Attempt Internal Repairs:** Any internal cleaning, inspection, or repair must be performed by a qualified professional.

7. TROUBLESHOOTING

If you experience issues with your boiler, please refer to the following general troubleshooting steps. For complex problems or error codes displayed on the unit, contact a qualified professional.

Problem	Possible Cause	Action
Boiler not heating	No power, low system pressure, thermostat setting too low, safety lockout.	Check power supply. Check system pressure. Verify thermostat setting. If locked out, consult professional.
No display	No power, internal electrical fault.	Check main power switch and circuit breaker. Contact professional if power is present.
System pressure too low	Water leak, system not adequately filled.	Consult your installer for repressurization or leak detection.
Unusual noises	Air in system, pump issue, component malfunction.	Contact a qualified professional for diagnosis.

8. TECHNICAL SPECIFICATIONS

Feature	Specification
Model	ChElecSannover15M
Type	Modulating Electric Boiler (Heating Only)
Heating Power	15 kW

Feature	Specification
Power Supply	230 V, Single-Phase
Maximum Heating Temperature	100 °C
Maximum Pressure	0.3 MPa (3 Bar)
Water Connection	G 3/4"
Expansion Vessel Capacity	6 Liters
Electrical Safety Class	IP 21
Dimensions (H x W x D)	67.8 x 41 x 28.8 cm
Weight	27 kg
Heating Element Material	Copper

Note: Some specifications (Power, Power Supply) are aligned with the product title and model number (15 kW, Single-Phase) due to conflicting information in the general product description.

9. WARRANTY AND SUPPORT

The Sannover Modulating Electric Boiler comes with a**2-year parts warranty** from the manufacturer.

Warranty Conditions:

- Installation must be performed by a qualified professional.
- Any malfunction diagnosis must be performed by a qualified professional.
- All maintenance and repairs must be carried out by a qualified professional.
- Failure to meet these conditions will invalidate the warranty.

For technical support, warranty claims, or to locate a qualified service professional, please contact your point of purchase or the official Sannover support channels.

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