

Manuals.plus /

› Sannover /

› Sannover Sun 30 kW Oil-Fired Cast Iron Boiler (Model 91NouvoModele) User Manual

Sannover 91NouvoModele

Sannover Sun 30 kW Oil-Fired Cast Iron Boiler User Manual

Model: 91NouvoModele

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Sannover Sun 30 kW oil-fired cast iron boiler. Please read these instructions carefully before installation and use to ensure safe and efficient operation.

This boiler is designed for central heating applications only.



Image: Front view of the Sannover Sun 30 kW oil-fired cast iron boiler, showcasing its compact design and control panel.

2. IMPORTANT SAFETY INFORMATION

- Installation, commissioning, maintenance, and any repairs must be performed by a qualified professional.
- Failure to comply with professional installation and maintenance requirements may void the product warranty.
- Upon delivery, it is imperative to check the condition of the package, both exterior and interior. No product exchange or refund will be possible without a claim made at the time of delivery for any damage.
- Ensure proper ventilation and adherence to all local building codes and regulations.

3. SETUP AND INSTALLATION

The Sannover Sun 30 kW boiler is a floor-standing, low-temperature oil-fired boiler designed for chimney connection.

3.1 Unpacking and Inspection

Carefully unpack the boiler and inspect it for any damage incurred during transit. Report any damage immediately to the carrier and supplier.

3.2 Placement

Position the boiler on a level, stable surface in a suitable location, ensuring adequate clearance for maintenance and operation.



Image: The Sannover Sun 30 kW boiler positioned in a workshop environment, demonstrating its compact footprint and typical installation setting. This image illustrates the boiler's physical appearance and scale.

3.3 Connections

- **Heating Flow Connection:** 1" 1/4 M
- **Heating Return Connection:** 1" 1/4 M
- **Flue Gas Evacuation:** Chimney connection. Ensure the chimney is correctly sized and installed according to local regulations.
- **Burner Connection:** The boiler is supplied without a burner. A suitable oil burner must be purchased separately and installed by a qualified professional. The control panel is pre-cut and pre-wired for burner integration.



Image: Technical diagram illustrating the dimensions and connection points of the Sannover Sun 30 kW boiler. Key measurements include height (845mm), width (455mm), and depth, along with the positions for heating flow (IC), return (RC), and flue gas outlet (Ø150).

3.4 Initial Commissioning

Commissioning must be performed by a qualified professional. A combustion analysis sheet from the burner's commissioning is required to validate the warranty.

4. OPERATING INSTRUCTIONS

The boiler's control panel provides essential functions for operation.

4.1 Control Panel Features

- **On/Off Switch:** To power the boiler on or off.
- **Summer/Winter Switch:** Selects operating mode.
- **Operation Indicator Light:** Indicates the boiler's operational status.
- **Aquastat:** Controls the boiler water temperature.
- **Boiler Thermometer:** Displays the current boiler water temperature.
- **Safety Aquastat (Overheat Protection):** Automatically shuts down the boiler if the temperature exceeds safe limits.
- **Burner Socket:** Pre-wired connection for the oil burner.

4.2 Starting the Boiler

1. Ensure the oil supply to the burner is open.
2. Turn the On/Off switch to the "On" position.
3. Set the desired temperature using the aquastat.
4. The burner will ignite, and the operation indicator light will illuminate.

4.3 Shutting Down the Boiler

1. Turn the On/Off switch to the "Off" position.
2. If shutting down for an extended period, close the oil supply valve.

4.4 Optional Controls

The boiler is pre-wired for integration with external regulation systems. Optional accessories include:

- Room Thermostat (e.g., Trl elm Leblanc or Trl If elm Leblanc)
- Expansion Vessel
- Heating Circulator

5. MAINTENANCE

Regular maintenance is crucial for the efficient and safe operation of your boiler. All maintenance and repairs must be carried out by a qualified professional.

5.1 Annual Maintenance

- An annual inspection and cleaning of the boiler and burner are recommended.
- This includes cleaning the heat exchanger, checking the burner's combustion, and verifying safety devices.
- A professional diagnostic report is required in case of a breakdown for warranty claims.

5.2 Cleaning

The cast iron heat exchanger with its triple flue gas path design requires periodic cleaning to maintain high efficiency.

6. TROUBLESHOOTING

This section provides general guidance for common issues. For any persistent problems, contact a qualified heating technician.

6.1 Boiler Not Starting

- Check if the On/Off switch is in the "On" position.
- Verify the oil supply to the burner.
- Check if the safety aquastat has tripped (overheat protection).
- Ensure the burner has power and is not in lockout mode.

6.2 Insufficient Heating

- Check the aquastat setting; increase if necessary.
- Verify that the heating circulator is operating correctly.
- Ensure radiators are bled and system pressure is adequate.
- A professional should check burner performance and boiler cleanliness.

6.3 Unusual Noises

- Contact a qualified technician to diagnose and resolve any unusual noises from the boiler or heating system.

7. TECHNICAL SPECIFICATIONS

Feature	Detail
Model Number	91NouvoModele
Manufacturer	Sannover
Product Dimensions (L x W x H)	40.5 x 45.5 x 84.5 cm
Weight	110 kg
Material	Cast Iron (GG20 Quality)
Finish	Lacquered
Color	Grey
Power Source	Oil-fired
Installation Method	Floor Mount
Special Features	Triple flue gas path
Usage	Indoor, Heating only
Nominal Power	29 kW
Max. Heating Flow Temperature	85°C
Energy Class (Heating)	B
Seasonal Energy Efficiency	86%
Heating Flow Connection	1" 1/4 M
Heating Return Connection	1" 1/4 M
Flue Gas Evacuation	Chimney

8. WARRANTY AND SUPPORT

The manufacturer offers a 2-year parts warranty for the boiler. The cast iron heat exchanger is guaranteed for 3 years.

8.1 Warranty Conditions

- To benefit from the warranty, a combustion analysis sheet from the burner's commissioning, performed by a qualified professional, is required.
- In case of a breakdown, a diagnostic report performed by a qualified professional will be requested.
- All maintenance and repairs must be carried out by a qualified professional.
- Failure to meet these conditions will void the warranty.
- It is essential to verify the condition of the package upon delivery. No product exchange or refund will be possible without a claim made at the time of delivery for any damage.

8.2 Technical Support

For technical assistance or warranty claims, please contact your installer or the point of purchase. Ensure you have your boiler's model number (91NouvoModele) and purchase details available.