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**e.i.m. leblanc 7716701550**

# ELM LEBLANC EGALIS BALLON iCONDENS 24/48-1MN Boiler User Manual

Model: 7716701550

## INTRODUCTION

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This manual provides essential information for the installation, operation, and maintenance of your ELM LEBLANC EGALIS BALLON iCONDENS 24/48-1MN wall-mounted condensation boiler with integrated tank. Please read these instructions carefully before installation and use to ensure safe and efficient operation.



Image: ELM LEBLANC EGALIS BALLON iCONDENS 24/48-1MN Boiler with its front panel removed, revealing the integrated hot water tank on the left and the main heat exchanger compartment on the right. The control panel is visible at the bottom center.

## SAFETY INFORMATION

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Always adhere to local regulations and safety standards during installation and operation. Installation and maintenance should only be performed by qualified personnel. Ensure proper ventilation and check for gas leaks regularly.

- Do not obstruct ventilation openings.
- Keep flammable materials away from the appliance.
- In case of gas odor, shut off the gas supply immediately and ventilate the area.
- Do not attempt repairs if you are not qualified.

## SETUP AND INSTALLATION

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This boiler is designed for wall-mounting. Ensure the installation location is suitable for the appliance's weight (78 kg) and dimensions (600 x 508 x 900 mm). A dedicated space is provided under the boiler for an RF key for wireless control integration.

## Pre-Installation Checks:

- Verify gas and water supply pressures meet specifications.
- Ensure electrical supply (230 VAC – 50 Hz) is available and correctly wired.
- Confirm the flue system (ventouse type) is correctly sized and installed.

## Mounting:

1. Securely mount the boiler to a load-bearing wall using appropriate fixings.
2. Connect the heating circuit pipes, ensuring the expansion vessel (12 L capacity) is correctly integrated.
3. Connect the domestic hot water (DHW) pipes.
4. Connect the gas supply line.
5. Perform electrical connections according to the wiring diagram.
6. Install the RF key in its designated slot under the boiler for wireless control, if applicable.



Image: Side view of the ELM LEBLANC EGALIS BALLON iCONDENS 24/48-1MN Boiler, highlighting its compact and neutral-colored casing.

## OPERATING INSTRUCTIONS

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### Initial Start-up:

1. Ensure all connections are secure and leak-free.
2. Open the gas supply valve.
3. Fill the heating circuit with water to the recommended pressure (pre-inflation and service pressure: 3 bar).
4. Bleed air from the heating system.
5. Switch on the electrical supply to the boiler.
6. Follow the on-screen prompts or refer to the control panel instructions for initial configuration.

### Heating Operation:

- Set the desired heating temperature. The maximum heating temperature is 82°C.
- The boiler's circulator has a modulating electrical power consumption of 49 W for efficient operation.

### Domestic Hot Water (DHW) Operation:

- The integrated tank provides hot water via a coiled heat exchanger (serpentin).
- The maximum DHW temperature is 65°C.
- The nominal maximum sanitary power is 30.7 kW, with a flow rate of 16.8 l/min.
- Maximum hot water pressure is 7 bar.

### Wireless Control (Optional):

If an RF key is installed, the boiler can be controlled wirelessly using compatible regulation systems. Refer to the specific instructions for your wireless control unit.

## MAINTENANCE

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Regular maintenance is crucial for the longevity and efficient operation of your boiler. It is recommended to have the boiler inspected annually by a qualified technician.

### User Maintenance:

- **Cleaning:** Keep the exterior of the boiler clean. Do not use abrasive cleaners.
- **Pressure Check:** Periodically check the heating circuit pressure. If it falls below the recommended 3 bar, repressurize the system according to installation guidelines.

### Professional Maintenance:

- Annual inspection of the combustion chamber and heat exchanger.
- Checking and cleaning of the condensate trap.
- Verification of safety devices.
- Inspection of gas and water connections for leaks.
- Checking the expansion vessel.
- The lateral panel and heat exchanger casing are removable for easier access during maintenance.

## TROUBLESHOOTING

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Before contacting customer support, review the following common issues and solutions.

Problem	Possible Cause	Solution
No heating or hot water	No gas supply, low system pressure, electrical fault, thermostat setting too low.	Check gas valve, repressurize system, check circuit breaker, adjust thermostat.
Boiler making unusual noises	Air in the system, pump issue, limescale buildup.	Bleed radiators, contact a qualified technician.
Error code displayed	Specific fault detected by the boiler's internal diagnostics.	Refer to the boiler's display for the specific error code and consult the full technical manual or contact support.
Water leak	Loose connection, damaged component.	Immediately turn off water supply and boiler. Contact a qualified technician.

*For persistent issues or complex problems, always contact a certified ELM LEBLANC service technician.*

## TECHNICAL SPECIFICATIONS

<b>Model</b>	EGALIS BALLON iCONDENS 24/48-1MN
<b>Product Number</b>	7716701550
<b>Type</b>	Wall-mounted condensation boiler with integrated tank
<b>Nominal Heating Power</b>	24 kW
<b>Nominal Max Sanitary Power</b>	30.7 kW
<b>Electrical Power (Circulator)</b>	49 W (modulating)
<b>Standby Power</b>	2.2 W
<b>Power Supply</b>	230 VAC – 50 Hz
<b>DHW Production Type</b>	Accumulation via serpentin (coil)
<b>DHW Flow Rate</b>	16.8 l/min
<b>Max Heating Temperature</b>	82°C
<b>Max DHW Temperature</b>	65°C
<b>Max DHW Pressure</b>	7 bar
<b>Heating Expansion Vessel Capacity</b>	12 l
<b>Pre-inflation/Service Pressure</b>	3 bar
<b>Flue Type</b>	Ventouse (balanced flue)
<b>Acoustic Power</b>	46 dB(A)
<b>Dimensions (L x P x H)</b>	600 x 508 x 900 mm
<b>Weight</b>	78 kg

## WARRANTY INFORMATION

Warranty terms and conditions are provided by ELM LEBLANC at the time of purchase. Please retain your proof of purchase for warranty claims. Typically, a manufacturer's warranty covers defects in materials and workmanship under normal use. Regular professional maintenance is often a condition for warranty validity.

*Information regarding spare parts availability is currently unavailable.*

## SUPPORT AND CONTACT

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For technical assistance, spare parts, or service requests, please contact your authorized ELM LEBLANC dealer or a certified service technician.

You can find more information on the official ELM LEBLANC website: [www.elmleblanc.fr](http://www.elmleblanc.fr)

When contacting support, please have your boiler's model number (7716701550) and serial number ready.

