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Junkers Cerapur ZWBC 24-2C

Junkers Cerapur ZWBC 24-2C Condensing Boiler User Manual

1. Introduction

This manual provides essential information for the installation, operation, and maintenance of your Junkers Cerapur ZWBC 24-2C condensing boiler. Designed for high energy efficiency, this boiler provides both heating and domestic hot water. Please read these instructions carefully before installation and use to ensure safe and optimal performance.

2. Product Overview

The Junkers Cerapur ZWBC 24-2C is a condensing boiler featuring micro-accumulation technology, designed for combined heating and domestic hot water supply. Key features include:

- **Heating Output:** 22 kW
- **Sanitary Hot Water Output:** 24 kW
- **High Sanitary Comfort:** Equipped with the QuickTap pre-maintenance system.
- **Advanced Control:** Heatronic 3 electronics offer a wide range of adjustable settings for both professional and end-users.
- **Simplified Installation:** Designed for easy installation in two separate blocks.



Image 1: Front view of the Junkers Cerapur ZWBC 24-2C Condensing Boiler. The unit is white with the Junkers logo visible at the top center.

3. Setup and Installation

Installation of the Junkers Cerapur ZWBC 24-2C boiler is designed for efficiency. It is strongly recommended that installation be performed by a qualified professional to ensure compliance with all local regulations and safety standards.

3.1 Installation Process

The boiler can be installed in two distinct blocks, simplifying the process:

1. **Frame Installation:** First, the lightweight frame (approximately 11.5 kg) is mounted.
2. **Boiler Unit Placement:** Subsequently, the main boiler unit (approximately 28 kg) is placed onto the installed frame.

This modular design allows for easier handling and positioning by a single professional.

4. Operating Instructions

The Junkers Cerapur ZWBC 24-2C boiler features the Bosch Heatronic 3 electronic control system, allowing for flexible operation in two distinct modes. Users can manage these modes and other settings via the integrated internal clock.

4.1 Domestic Hot Water (DHW) Operation - QuickTap System

The Eco-system, known as QuickTap, optimizes hot water delivery and energy savings. The boiler recognizes when hot water is requested and initiates heating, preventing unnecessary water warming and ensuring rapid availability.

- **Instant Hot Water:** This system provides hot water within seconds to meet immediate needs.
- **Showering Procedure:** To ensure continuous hot water during showering, briefly open a hot water tap for a few seconds. This communicates to the boiler that a longer hot water demand is anticipated, optimizing its operation for sustained use.

4.2 Heating Operation

The Heatronic 3 system allows for precise control over your heating system. Consult the detailed user interface instructions for setting desired temperatures, operating modes, and programming schedules via the internal clock.

5. Maintenance

Regular maintenance is crucial for the longevity, efficiency, and safe operation of your Junkers Cerapur ZWBC 24-2C boiler. It is recommended to have the boiler inspected and serviced annually by a certified heating technician.

- **Annual Inspection:** A professional technician will check for wear and tear, clean components, verify safety devices, and ensure optimal combustion.
- **User Checks:** Periodically check the system pressure gauge. If the pressure is too low, consult your installation professional or the detailed manual for instructions on repressurizing the system.

6. Troubleshooting

If your boiler is not functioning as expected, perform the following basic checks before contacting a service technician:

- **No Power:** Check if the boiler is plugged in and if the circuit breaker has tripped.
- **No Hot Water/Heating:** Ensure the gas supply is open and that the system pressure is within the recommended range (typically 1.0 to 1.5 bar).
- **Error Codes:** If an error code is displayed, refer to the comprehensive user manual for specific code meanings and recommended actions.

If the issue persists after these checks, contact a qualified service technician.

7. Specifications

Feature	Specification
Manufacturer	Junkers
Model Number	Cerapur (Item Model Number) / 7738100480 (Part Number)
Dimensions (H x W x D)	760 x 440 x 360 mm (approximate, based on package dimensions)
Weight	28 kg
Energy Source	Natural Gas (Aardgas) / Solar Energy compatible
Flow Rate (DHW)	11.4 Liters Per Minute
Mounting Type	Wall Mount
Special Features	Condensing Technology, Micro-accumulation, Quick Tap System, Heatronic 3 Electronics
Recommended Use	Bathroom (Bad/toilet)
Indoor/Outdoor Use	Indoor

8. Warranty and Support

For warranty information, please refer to the documentation provided with your purchase or contact your seller. For technical support, service, or spare parts, please contact your authorized Junkers dealer or customer service representative.
Manufacturer: Junkers

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