

Cosmogas Mydens 24P

Cosmogas Mydens 24P Methane Condensing Gas Boiler User Manual

Model: Mydens 24P | Brand: Cosmogas

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1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Cosmogas Mydens 24P Methane Condensing Gas Boiler. The Mydens 24P is a new-generation wall-mounted double condensation boiler designed for residential use, offering high efficiency in both heating and domestic hot water (DHW) production. Please read this manual thoroughly before attempting any installation or operation.



Figure 1: Front view of the Cosmogas Mydens 24P boiler. This image shows the compact white casing and the integrated digital control panel.

2. SAFETY INFORMATION

Important: Installation, initial startup, and any servicing of this appliance must be performed by a qualified and certified professional in accordance with all local and national regulations and standards. Failure to comply can result in serious injury, property damage, or death.

- Ensure adequate ventilation in the installation area.
- Do not store flammable materials near the boiler.
- Regularly check for gas leaks. If a gas odor is detected, immediately shut off the gas supply, open windows, and contact emergency services.
- Keep children and unauthorized personnel away from the appliance.
- Always disconnect power before performing any maintenance or inspection.

3. SETUP AND INSTALLATION

The Cosmogas Mydens 24P boiler is designed for indoor installation. A mounting kit is included for secure wall mounting. Due to the nature of gas appliances, professional installation is mandatory.

3.1 Professional Installation

A certified technician will handle the following:

1. **Site Selection:** Ensuring the installation location meets ventilation, space, and safety requirements.
2. **Mounting:** Securely attaching the boiler to the wall using the provided mounting kit.
3. **Gas Connection:** Connecting the boiler to the methane gas supply.
4. **Water Connections:** Connecting to the heating system (radiators, radiant panels, convectors) and domestic hot water supply.
5. **Flue Gas System:** Installing the exhaust system for safe removal of combustion products.
6. **Electrical Connection:** Wiring the boiler to the electrical supply.
7. **System Filling and Venting:** Filling the heating system with water and bleeding air.
8. **Initial Startup and Testing:** Performing safety checks and verifying proper operation.

3.2 Wi-Fi Connectivity (DIMMI / EcoHOME Life App)

The Mydens 24P boiler features integrated Wi-Fi for remote management via the EcoHOME Life application (also referred to as DIMMI). This app is available for both Android and Apple iOS devices.

- **Download the App:** Search for "EcoHOME Life" or "DIMMI" in your device's app store.
- **Pairing:** Follow the in-app instructions to pair your smartphone with the boiler's Wi-Fi module. This typically involves putting the boiler into a pairing mode and connecting to its temporary Wi-Fi network before configuring it to join your home Wi-Fi network.
- **Configuration:** Once connected, you can configure heating schedules, domestic hot water temperatures, and monitor system pressure.



Figure 2: Side view of the Cosmogas Mydens 24P boiler. This image highlights the slim design suitable for wall mounting.

4. OPERATING INSTRUCTIONS

The Mydens 24P boiler is designed for user-friendly operation, both directly via its integrated display and remotely via the EcoHOME Life app.

4.1 Basic Operation (Control Panel)

- **Power On/Off:** Use the designated power button on the control panel to turn the boiler on or off. The backlit display will illuminate upon activation.
- **Heating Temperature Adjustment:** Navigate through the menu using the control buttons to adjust the desired heating circuit temperature.
- **Domestic Hot Water (DHW) Temperature Adjustment:** Similarly, adjust the DHW temperature setting. The boiler is capable of providing a large quantity of hot water at a constant temperature, supporting up to two consecutive showers.
- **Monitoring:** The display shows current operating status, temperatures, and system pressure.

4.2 Smart Control (EcoHOME Life App)

The EcoHOME Life app provides comprehensive control and monitoring features:

- **Remote Temperature Control:** Adjust heating and DHW temperatures from anywhere.
- **Scheduling:** Set up daily or weekly heating schedules to optimize energy consumption.
- **System Monitoring:** View real-time system pressure, operating modes, and any diagnostic messages.
- **Voice Assistant Integration:** The app is compatible with Google Assistant and Amazon Alexa, allowing for voice commands to control your boiler.

5. MAINTENANCE

Regular maintenance is crucial for ensuring the longevity, efficiency, and safe operation of your Cosmogas Mydens 24P boiler. All maintenance procedures, especially those involving internal components, must be performed by a qualified service technician.

5.1 User Maintenance (Limited)

- **Visual Inspection:** Periodically check the boiler for any visible signs of damage, leaks, or unusual noises.
- **Pressure Monitoring:** Regularly check the system pressure on the boiler's display or via the EcoHOME Life app. Maintain pressure within the recommended range (typically 1.0-1.5 bar when cold). Consult your installer for specific pressure requirements.
- **Cleaning:** Keep the exterior of the boiler clean and free from dust and obstructions. Do not use abrasive cleaners.

5.2 Professional Servicing

It is recommended to have your boiler professionally serviced annually. A qualified technician will perform:

- Combustion analysis to ensure efficient and safe operation.
- Cleaning of the heat exchanger and burner.
- Inspection of all gas and water connections for leaks.
- Checking and testing of safety devices.
- Verification of system pressure and expansion vessel.
- General inspection of all components.

The Mydens 24P is designed for easy accessibility and maintenance, which simplifies professional servicing.

6. TROUBLESHOOTING

This section provides general guidance for common issues. For detailed troubleshooting or if you encounter persistent problems, always consult a qualified technician or the comprehensive technical manual.

Problem	Possible Cause	Solution
No heating or hot water	- Boiler off or in standby - Low system pressure - Thermostat setting too low - Gas supply interrupted	- Check power and turn on boiler - Check pressure gauge; repressurize if low (consult manual/technician) - Increase thermostat setting - Check gas valve and supply
Boiler displaying an error code	Internal fault or specific system issue	Note the error code and consult the full technical manual or contact a qualified technician. Do not attempt to repair internal components yourself.
No Wi-Fi connectivity	- Home Wi-Fi network issue - Incorrect app pairing - Router too far	- Check your home Wi-Fi router and internet connection - Re-attempt the pairing process via the EcoHOME Life app - Ensure boiler is within Wi-Fi range

If you are unsure about any troubleshooting step or if the problem persists, contact a qualified Cosmogas service technician.

7. TECHNICAL SPECIFICATIONS

Feature	Detail
Model	Cosmogas Mydens 24P
Product Type	Wall-mounted Double Condensation Gas Boiler
Application	Residential, Indoor
Fuel Type	Methane Gas
Power Output	24 kW
Dimensions (L x W x H)	10 x 10 x 10 cm (approximate, refer to installation manual for precise measurements)
Weight	40 kg
Color	White
Heat Exchanger (Primary)	C.R.V. AISI 316 Ti Stainless Steel (seamless, up to 3 bar operating pressure)
DHW Heat Exchanger	Enlarged 320 mm Stainless Steel Plate Exchanger
DHW Capacity	Supports 2 consecutive showers at constant temperature
Modulation Ratio	1:8
Efficiency	Certified 108.5%
NOx Emissions	Class 6 (31 mg/kWh for Mydens 24)
Burner Type	Fecralloy Fiber Premixed Ecological Burner
Connectivity	Integrated Wi-Fi for EcoHOME Life App (DIMMI), compatible with Google Assistant & Amazon Alexa

Feature	Detail
Included Components	Mounting Kit
Product Codes	1A650008 / 1A6900008

8. WARRANTY & SUPPORT

8.1 Warranty Information

Specific warranty terms and conditions for the Cosmogas Mydens 24P boiler are provided at the time of purchase. Please refer to your purchase documentation, warranty card, or contact your installer/supplier for detailed information regarding warranty coverage, duration, and claims procedures. Keep your proof of purchase in a safe place.

8.2 Technical Support

For technical assistance, servicing, or spare parts, please contact your authorized Cosmogas installer or the supplier from whom you purchased the boiler. They have the necessary expertise and access to genuine Cosmogas parts to ensure proper support. For issues related to the EcoHOME Life (DIMMI) app or Wi-Fi connectivity, refer to the app's help section or the Cosmogas official website for support resources.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

