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Bosch Eco 6

Bosch Eco 6 Instantaneous Water Heater User Manual

Model: Eco 6 | Brand: Bosch

1. INTRODUCTION AND OVERVIEW

The Bosch Eco 6 Instantaneous Water Heater is designed to provide unlimited hot water on demand, offering an efficient alternative to traditional water heaters. This model operates with LP Gas and is suitable for indoor installation in a well-ventilated area. Its compact design and advanced features ensure comfort and energy savings. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Bosch Eco 6 water heater. Please read it thoroughly before installation and use.

2. SAFETY INFORMATION

Always prioritize safety during installation and operation. Incorrect installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Consult a qualified installer, service agency, or gas supplier.

- **Gas Type:** This model is designed for LP Gas only. Ensure your gas supply matches the unit's requirements.
- **Ventilation:** Install the water heater in a covered, well-ventilated area. Do not install it in an unventilated space or exposed to direct weather elements.
- **Automatic Ignition:** The unit features automatic ignition, eliminating the need for a pilot light. It requires 2 D-type alkaline batteries for operation.
- **Safety System:** Equipped with a 3+1 safety system to prevent accidents.
- **Overheating Protection:** The unit has a safety block to prevent temperatures exceeding 70°C (158°F) to avoid scalding.

3. PRODUCT FEATURES

- **Instantaneous Hot Water:** Provides hot water immediately upon demand.
- **Unlimited Hot Water:** Enjoy continuous hot water without running out.
- **High and Low Pressure Operation:** Functions effectively even with varying water pressures.
- **Temperature and Flow Regulation:** Independent control knobs for adjusting water temperature and flow rate.
- **Automatic Ignition:** Electronic ignition system for convenience and safety.
- **3+1 Safety System:** Enhanced safety features for user protection.
- **100% Copper Coil:** Durable and efficient heat exchanger.
- **Anti-Scale Technology:** Helps prevent mineral buildup, extending unit lifespan.
- **Energy Efficient:** Up to 78% gas savings compared to traditional water heaters.
- **German Technology:** Engineered with precision and quality.



Figure 3.1: Key features of the Bosch Eco 6 water heater, including 100% copper coil, anti-scale technology, and energy savings.

4. SPECIFICATIONS

Specification	Value
Model	Eco 6
Brand	Bosch
Capacity	5 Liters per minute (LPM)
Fuel Type	LP Gas (Liquid Propane)
Material	Stainless Steel
Dimensions (W x D x H)	30 x 14.5 x 44.5 cm
Weight	5.3 kg
Wattage	8.7 KW
Installation Style	Indoor Installation
Ignition	Automatic, requires 2 D-type alkaline batteries

Medidas:

A: 30cm

B: 44.5cm

C: 14.5cm



Figure 4.1: Dimensions of the Bosch Eco 6 water heater.

5. SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your water heater. It is recommended to have a qualified professional perform the installation.

5.1 Mounting the Unit

1. Select a suitable indoor location that is covered, well-ventilated, and not exposed to direct weather.
2. Drill an appropriate hole in the wall for mounting.
3. Insert a wall anchor into the drilled hole.
4. Place the mounting screw into the anchor, leaving enough space to hang the water heater.
5. Carefully hang the water heater vertically on the screw.

5.2 Connecting Water and Gas Lines

Ensure all valves are closed during installation. Use two adjustable wrenches to tighten connections to prevent other parts from loosening.

- **Gas Inlet:** Connect the gas line to the gas inlet, typically marked with a yellow tag.
- **Hot Water Outlet:** Connect the hot water line to the hot water outlet, typically marked with a red tag.
- **Cold Water Inlet:** Connect the cold water line to the cold water inlet, typically marked with a blue tag.

5.3 Installing Batteries

The water heater requires 2 D-type alkaline batteries for its automatic ignition system.

1. Locate the battery compartment, usually on the right side of the unit's underside.
2. Insert two D-type alkaline batteries, ensuring correct polarity.
3. Close the battery compartment cover.
4. Activate the power switch, usually located near the battery compartment.

Your browser does not support the video tag.

Video 5.1: This video demonstrates the installation process for a similar instantaneous water heater, including mounting, connecting lines, and battery installation. Note: The video shows an AVERA branded product, but the installation steps are generally applicable to this type of water heater.

5.4 Checking for Gas Leaks

After connecting the gas line, it is essential to check for leaks.

1. Open the gas supply valve.
2. Apply soapy water to all gas connections.
3. If bubbles appear, it indicates a leak. Tighten the connection with wrenches until no bubbles are visible.
4. Reapply soapy water to confirm the absence of leaks.

6. OPERATING INSTRUCTIONS

Your Bosch Eco 6 water heater is designed for simple and efficient operation.

6.1 Automatic Ignition

The water heater will automatically ignite when you open a hot water tap, and turn off when the tap is closed. The digital display will show the current water temperature.

6.2 Temperature and Flow Control

The unit features two control knobs on the front panel:

- **Temperature Knob:** Adjusts the gas flow to control the water temperature. Turning it towards 'Alta' (High) increases temperature, while 'Baja' (Low) decreases it.
- **Water Flow Knob:** Adjusts the water flow rate. Turning it towards 'Alto' (High) increases flow, while 'Bajo' (Low) decreases it.

Calentador instantáneo a gas

Eco

6L



Gas LP

Ideal para estrenar o reemplazar un calentador tradicional.



Figure 6.1: Front view of the Bosch Eco 6 water heater showing control knobs.

6.3 Optimal Settings for Temperature Control

The outlet hot water temperature depends on the relationship between the gas flow (temperature knob) and water flow (water flow knob). A higher water flow distributes heat better, allowing the unit to reach a wider temperature range.

- **Comfort Temperature:** A comfortable water temperature is typically between 40°C and 55°C (104°F - 131°F), depending on personal preference.
- **Winter Mode:** For colder incoming water, set the water flow to minimum and temperature to maximum. This restricts water passage, allowing it to absorb more heat from the flame.
- **Summer Mode:** For warmer incoming water, set the water flow to maximum and temperature to minimum. This allows water to pass at maximum capacity, as the ambient temperature is sufficient for a comfortable range.

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Video 6.2: This video illustrates how to adjust the temperature and water flow settings for optimal performance in different seasons.

Note: The video shows an AVERA branded product, but the operating principles are generally applicable.

7. MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your water heater.

- **Cleaning:** Periodically clean the exterior of the unit with a soft, damp cloth. Avoid abrasive cleaners.
- **Ventilation:** Ensure the installation area remains well-ventilated and free from obstructions.
- **Battery Replacement:** Replace D-type alkaline batteries annually or when the ignition becomes inconsistent.
- **Professional Inspection:** It is recommended to have a qualified technician inspect the unit annually to check for wear, leaks, and proper operation of safety features.

8. TROUBLESHOOTING

If you encounter issues with your water heater, refer to the following common problems and solutions.

- **No Hot Water / Unit Not Igniting:**
 - Check if the gas supply is open.
 - Ensure the water flow is sufficient.
 - Verify that the D-type alkaline batteries are correctly installed and have sufficient charge.
 - Check if the power switch is activated.
- **Error Code 'EE' (Overheating):**
 - This error indicates overheating. To resolve, set the water flow knob to maximum and the temperature knob to minimum.
 - Ensure adequate water pressure and flow to prevent the unit from overheating.
- **Gas Smell:**
 - Immediately turn off the gas supply.
 - Ventilate the area.
 - Do not operate any electrical switches or appliances.
 - Contact a qualified gas technician immediately.

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Video 8.1: This video provides troubleshooting tips, including how to address the 'EE' overheating error. Note: The video shows an AVERA branded product, but the troubleshooting steps are generally applicable.

9. WATER PRESSURE CONSIDERATIONS

For optimal performance, adequate water pressure is essential. If your home experiences low water pressure, a booster pump may be necessary.

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Video 9.1: This video explains how to choose a booster pump for your water heater to ensure optimal water pressure. Note: The video shows an AVERA branded product, but the information on booster pumps is generally applicable.

10. WARRANTY AND SUPPORT

Your Bosch Eco 6 Instantaneous Water Heater comes with a comprehensive warranty and dedicated support services.

- **Warranty:** The product includes a 2-year warranty. Please retain your proof of purchase for warranty claims.
- **Technical Service:** Access to expert technical service for any installation, operation, or maintenance queries.
- **Personalized Attention:** Receive personalized support to ensure your satisfaction.

For further assistance, please refer to the contact information provided in your product packaging or visit the official Bosch website.



Incluye:

Garantía
2
Años + 2

- ▶ Servicio técnico experto
- ▶ Atención personalizada



Figure 10.1: Warranty and support information for the Bosch Eco 6 water heater.

