

CENTRO AT110

CENTRO CLIMAX AT110 Propane Atmospheric Water Heater User Manual

Model: AT110 | Brand: CENTRO

1. PRODUCT OVERVIEW

The CENTRO CLIMAX AT110 is a 10-liter propane atmospheric instantaneous water heater designed to provide hot water efficiently for residential and light commercial applications. This model features electronic ignition, automatic operation, and a compact design for easy installation.

Key features include:

- High efficiency and low energy consumption.
- Instantaneous hot water delivery.
- Electronic ignition system.
- Mechanical temperature adjustment.
- Reduced dimensions for flexible installation.
- Suitable for outdoor installation when properly protected.



Figure 1: CLIMAX AT110 Product Overview with Energy Class A label.

2. SAFETY INFORMATION

Read all instructions carefully before installation and use. Failure to follow these instructions could result in property damage, personal injury, or death. Keep this manual for future reference.

General Safety Precautions:

- **Professional Installation:** Installation, adjustment, alteration, service, or maintenance must be performed by a qualified installer or service agency.
- **Ventilation:** Ensure adequate ventilation for the appliance. Improper ventilation can lead to carbon monoxide poisoning.
- **Gas Leaks:** If you smell gas, immediately shut off the gas supply, open windows and doors, and do not

operate any electrical switches or appliances. Contact a qualified technician.

- **Battery Requirement:** The unit requires two AA batteries (not included) for the electronic ignition system. Ensure batteries are correctly installed and replaced when needed.
- **Water Pressure:** Do not operate the water heater if the water pressure is outside the specified range.
- **Children and Pets:** Keep children and pets away from the appliance during operation.
- **Flammable Materials:** Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

3. SETUP AND INSTALLATION

The CLIMAX AT110 water heater is designed for easy installation, but it is crucial that all gas and water connections are made by a certified professional to ensure safety and proper operation.

3.1 Unpacking

1. Carefully remove the water heater from its packaging.
2. Inspect the unit for any signs of damage during transit. Do not install a damaged unit.
3. Ensure all components listed in the packing list are present.

3.2 Location Requirements

- Install the unit in a well-ventilated area.
- If installing outdoors, ensure the unit is adequately protected from weather elements.
- Maintain specified clearances from combustible materials.

3.3 Mounting

Mount the water heater securely to a solid wall using appropriate fasteners. Refer to the dimensional diagram for mounting points and clearances.



Figure 2: CLIMAX AT110 Dimensional Diagram (Measurements in mm).

3.4 Gas and Water Connections

- Connect the propane gas supply to the gas inlet. Ensure all connections are tight and leak-free.
- Connect the cold water inlet and hot water outlet pipes.
- Install a pressure relief valve as required by local codes.

3.5 Battery Installation

The electronic ignition system requires two 1.5V AA batteries. Open the battery compartment, insert the batteries according to the polarity markings, and close the compartment securely.

4. OPERATING INSTRUCTIONS

Once installed and connected, the CLIMAX AT110 is designed for straightforward operation.

4.1 Initial Startup

1. Ensure the gas supply valve is open.
2. Open a hot water tap in your home. The water heater will automatically detect the water flow.

- The electronic ignition system will activate, and the burner will ignite, providing instant hot water.

4.2 Temperature Adjustment

The water heater features a mechanical temperature adjustment control. Rotate the knob on the front panel to increase or decrease the desired water temperature. Start with a moderate setting and adjust as needed for comfort and energy efficiency.

4.3 Shutting Down

To turn off the water heater, simply close all hot water taps. The unit will automatically cease operation. For extended periods of non-use, it is recommended to close the main gas supply valve.

5. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your CLIMAX AT110 water heater. Always disconnect the gas supply before performing any maintenance.

- **Battery Replacement:** Replace the AA batteries annually, or sooner if the ignition becomes unreliable.
- **Cleaning:** Periodically clean the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners.
- **Ventilation Check:** Ensure that the ventilation openings are clear and unobstructed.
- **Gas and Water Connections:** Annually inspect all gas and water connections for leaks or corrosion. Contact a qualified technician for any repairs.
- **Professional Inspection:** It is recommended to have the water heater inspected by a qualified technician every 1-2 years.

6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your water heater. For problems not listed here, or if solutions do not resolve the issue, contact a qualified service technician.

Problem	Possible Cause	Solution
No hot water / Unit does not ignite	No gas supply Low water flow Dead batteries Ignition electrode issue	Check gas valve Ensure sufficient water pressure and flow Replace AA batteries Contact service technician
Water not hot enough	Temperature setting too low High water flow rate Gas pressure issue	Adjust temperature knob higher Reduce water flow at the tap Contact service technician

Problem	Possible Cause	Solution
Unit makes unusual noises	Sediment buildup Loose components	Contact service technician for descaling Contact service technician
Gas smell	Gas leak	Immediately shut off gas supply, ventilate area, do not operate electrical switches, contact emergency services/qualified technician.

7. SPECIFICATIONS

Detailed technical specifications for the CLIMAX AT110 Propane Atmospheric Water Heater.



Figure 3: CLIMAX AT110 Technical Specifications Table.

Specification	Value (CLIMAX AT110 Propane)
Brand	CENTRO
Model	AT110
Fuel Type	Propane (G30/G37)
Nominal Heat Input	19.4 kW
Minimum Heat Input	5.5 kW
Nominal Useful Power	16.8 kW
Minimum Useful Power	5.8 kW
Gas Pressure	28-30/37 mbar
Energy Classification	A
Load Profile	M
Sanitary Flow Rate ($\Delta T=25K$)	10 L/min
Pressure Range	0.03-1.0 MPa
Ignition Flow Rate	3 L/min

Specification	Value (CLIMAX AT110 Propane)
Hydraulic Connection	1/2" ISO 228 M
Gas Connection	1/2" ISO 228 M
Electrical Power Supply	2 x 1.5V batteries (AA)
Flue Gas Evacuation Diameter	110 mm
Dimensions (H x W x D)	550 x 320 x 190 mm
Color	White
Special Features	Automatic heater, Low energy consumption, Electronic ignition, Instant hot water, Efficient heater, No accumulator, Temperature control, Silent heater, High quality, Easy installation, Compact heater, No pilot light, Adjustable thermostat, Fast heater, No tank, Safe system, Durable heater.

8. WARRANTY AND SUPPORT

Warranty information for the CENTRO CLIMAX AT110 water heater is typically provided at the point of purchase or included with the product documentation. Please refer to these documents for specific warranty terms and conditions.

For technical support, service, or warranty claims, please contact the retailer or the manufacturer directly. Ensure you have your product model number (AT110) and purchase date available when contacting support.