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> [AVERA CM10NAT Natural Gas Modulating Instant Water Heater User Manual](#)

AVERA CM10NAT

AVERA CM10NAT Natural Gas Modulating Instant Water Heater User Manual

Model: CM10NAT | Brand: AVERA

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your AVERA CM10NAT Natural Gas Modulating Instant Water Heater. Please read this manual thoroughly before installation and use, and keep it for future reference.

The AVERA CM10NAT is a modulating instant water heater designed for natural gas systems. It delivers continuous hot water with high efficiency and advanced safety features. With a capacity of 10 liters per minute, it can supply up to two simultaneous services without temperature fluctuations. Its modulating technology automatically adjusts the water temperature between 35-65 °C, eliminating the need to mix cold water. The unit features a digital panel and LED screen for easy and precise temperature control. Progressive ignition and forced draft ensure efficient operation and gas savings. It is designed to operate with low water pressure (0.080 MPa), making it compatible with various plumbing systems.

Key Features:

- Instantaneous hot water delivery for up to 2 services.
- Modulating temperature control (35-65 °C) for consistent output.
- Digital panel and LED display for intuitive operation.
- Efficient progressive ignition and forced draft system.
- Low water pressure activation (0.080 MPa).
- Multiple safety features including temperature sensor, double gas valve, and flame protection.
- Compact and slim design for indoor installation.

2. SAFETY INFORMATION

Always adhere to local codes and regulations for gas and water heater installation. Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment.

- **Professional Installation:** Installation and service must be performed by a qualified installer, service agency, or gas supplier.

- **Gas Type:** This model (CM10NAT) is designed exclusively for Natural Gas. Do not attempt to use it with LP gas.
- **Ventilation:** Ensure adequate ventilation as specified in the installation guidelines.
- **Water Pressure:** While designed for low pressure, ensure your plumbing system can handle the required flow.
- **Leak Detection:** Regularly check for gas and water leaks.
- **Overheating Protection:** The unit is equipped with overheating protection. Do not bypass or tamper with safety devices.
- **Flame Protection:** The anti-flame protection system will cut off gas supply if the flame extinguishes unexpectedly.
- **Freezing Protection:** Take necessary precautions to prevent freezing in cold environments, as freezing can damage the unit.



Image: The AVERA CM10NAT water heater features protection against gas leaks, overheating, and freezing, ensuring safe operation.

3. PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the main components and dimensions of your AVERA CM10NAT water heater.

Exclusivo Gas Natural



Peso
8.5 kg



Alto
56 cm

Ancho
35 cm

Profundidad
14.5 cm

Image: Front view of the AVERA CM10NAT water heater, highlighting its dimensions: 56 cm (height), 35 cm (width), 14.5 cm (depth), and a weight of 8.5 kg. This model is exclusively for Natural Gas.

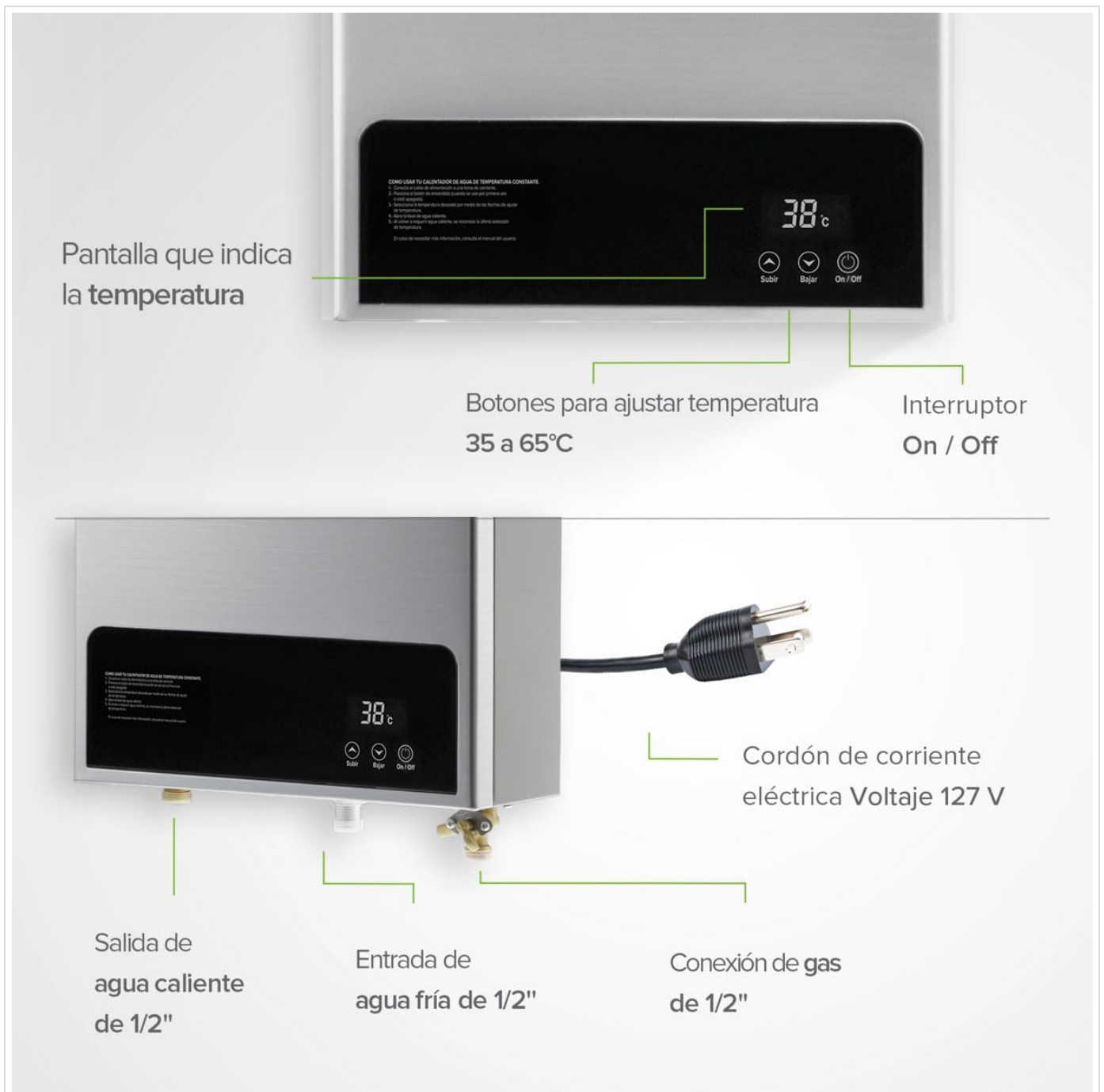


Image: Detailed view of the AVERA CM10NAT control panel and connections. It shows the LED display indicating temperature, buttons for adjusting temperature (35 to 65°C), an On/Off switch, a 1/2" hot water outlet, a 1/2" cold water inlet, a 1/2" gas connection, and a 127V electrical power cord.

Main Components:

- **LED Display:** Shows current water temperature and error codes.
- **Temperature Adjustment Buttons:** Used to set desired water temperature (35-65 °C).
- **On/Off Switch:** Powers the unit on or off.
- **Hot Water Outlet:** 1/2 inch connection for hot water supply.
- **Cold Water Inlet:** 1/2 inch connection for cold water supply.
- **Gas Connection:** 1/2 inch connection for natural gas supply.
- **Electrical Power Cord:** 127V power supply.

4. INSTALLATION GUIDELINES

Proper installation is crucial for the safe and efficient operation of your water heater. It is highly recommended that installation be performed by a certified professional.

4.1 Choosing the Right Location

- The unit is designed for indoor installation in a well-ventilated area.
- It can also be installed in a covered outdoor area, protected from direct weather exposure.
- Ensure the location allows for easy access for maintenance and service.
- Avoid areas prone to freezing temperatures.



Image: Examples of suitable installation locations: a ventilated interior space with a flue, and a covered exterior space, both for Natural Gas models.

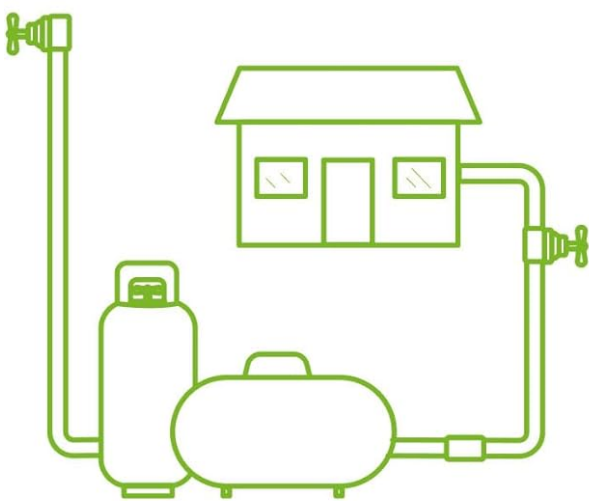
4.2 Gas Type Identification

This model (CM10NAT) is specifically for Natural Gas. Ensure your home's gas service matches this requirement.

Identifica tu servicio de gas

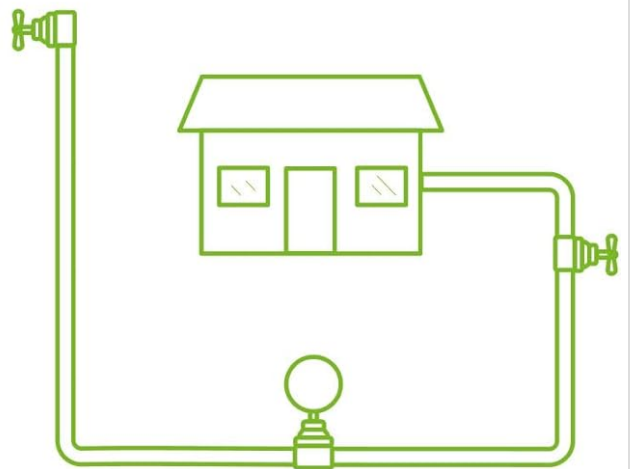
Gas LP

Se almacena en tanques estacionarios (grandes y horizontales) o cilindros portátiles que son llenados por un proveedor.



Gas natural

Llega a tu hogar a través de una red de tuberías subterráneas, sin necesidad de tanques visibles.



¡Ahora ya lo sabes!

Escoge tu calentador según tu tipo de gas, en Avera tenemos uno a tu medida

Image: Diagram showing the difference between LP Gas (stored in tanks) and Natural Gas (supplied via underground pipelines). Confirm your gas type before installation.

4.3 Plumbing and Gas Connections

- Maintain a minimum distance of 2 meters between the showerhead and the water tank/supply.
- Maintain a maximum distance of 5 meters between the showerhead and the water heater.
- Ensure all connections are sealed properly to prevent leaks.
- If water pressure is consistently low, consider installing a water pressure booster (e.g., AVERA PR26L) for optimal performance.

Considera lo necesario para una buena instalación

Mantén al menos 2 metros entre tu regadera y el depósito de agua, y un máximo de 5 metros entre tu regadera y el calentador.



Avera recomienda:

Si la presión de tu regadera resulta ser baja, te recomendamos adquirir el Presurizador de agua PR26L para un mejor desempeño.



*Imágenes ilustrativas, los productos adicionales se venden por separado.

Image: Installation diagram illustrating recommended distances: a minimum of 2 meters between the water supply tank and the shower, and a maximum of 5 meters between the shower and the water heater. It also suggests considering a pressure booster for low water pressure.

5. OPERATING INSTRUCTIONS

Operating your AVERA CM10NAT water heater is straightforward with its digital controls.

5.1 Initial Startup

1. Ensure all gas and water connections are secure and leak-free.
2. Open the main gas supply valve.
3. Open a hot water faucet to allow water to flow through the unit, purging any air from the system.
4. Plug the power cord into a 127V electrical outlet.
5. Press the On/Off switch on the control panel to power on the unit.
6. The LED display will illuminate, showing the current water temperature.

5.2 Adjusting Water Temperature

- Use the temperature adjustment buttons (+ and -) on the digital panel to set your desired water temperature.
- The temperature can be set between 35°C and 65°C.
- The modulating function will automatically adjust the gas flow to maintain the set temperature, providing a consistent hot water supply.



Image: The AVERA CM10NAT water heater demonstrating its modulating function, allowing programmable water temperatures from 35°C to 65°C for comfortable bathing.

5.3 Normal Operation

When a hot water faucet is opened, the unit will automatically ignite and begin heating water to the set temperature. When the faucet is closed, the unit will turn off.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficient performance of your water heater.

- **Annual Inspection:** It is recommended to have the unit inspected by a qualified technician annually.

- **Cleaning:** Keep the exterior of the unit clean. Do not use abrasive cleaners.
- **Ventilation:** Ensure the ventilation system is clear of obstructions.
- **Water Filter (if applicable):** Check and clean any inline water filters to prevent sediment buildup.
- **Descaling:** In areas with hard water, periodic descaling may be necessary to remove mineral buildup. Consult a professional for this procedure.
- **Leak Checks:** Periodically check all gas and water connections for any signs of leaks.

7. TROUBLESHOOTING

The LED display can show error codes to help diagnose issues. Refer to the full manual for a complete list of error codes and their solutions. Below are some common issues and basic troubleshooting steps.

Problem	Possible Cause	Solution
No hot water / Unit does not ignite	<ul style="list-style-type: none"> • No gas supply • No water flow / Low water pressure • Power supply issue • Flame sensor error 	<ul style="list-style-type: none"> • Check gas valve is open. • Ensure water supply is on and pressure is adequate. • Check power cord connection and circuit breaker. • Contact a qualified technician.
Inconsistent water temperature	<ul style="list-style-type: none"> • Fluctuating water pressure • Sediment buildup • Multiple hot water demands 	<ul style="list-style-type: none"> • Consider a pressure booster. • Perform descaling (professional recommended). • Reduce simultaneous hot water usage.
Error code displayed	<ul style="list-style-type: none"> • Specific system malfunction 	<ul style="list-style-type: none"> • Note the error code and consult the comprehensive troubleshooting guide in the full product manual or contact customer support.

8. SPECIFICATIONS

Detailed technical specifications for the AVERA CM10NAT water heater.

Specification	Value
Model Number	CM10NAT
Brand	AVERA
Gas Type	Natural Gas
Capacity	10 Liters/Minute
Simultaneous Services	Up to 2
Temperature Range	35-65 °C
Power Source	Natural Gas, 127 Volts (Electrical)

Specification	Value
Wattage	32 watts
Material	Alloy Steel
Color	Gray
Dimensions (L x W x H)	35 x 35 x 56 cm
Item Weight	10.18 kg
Maximum Pressure	800000 Pascal
Special Features	Digital Display, Automatic Ignition, LED Screen, Overheating Protection

MODELO: CM10NAT

Exclusivo Gas Natural



2 servicios



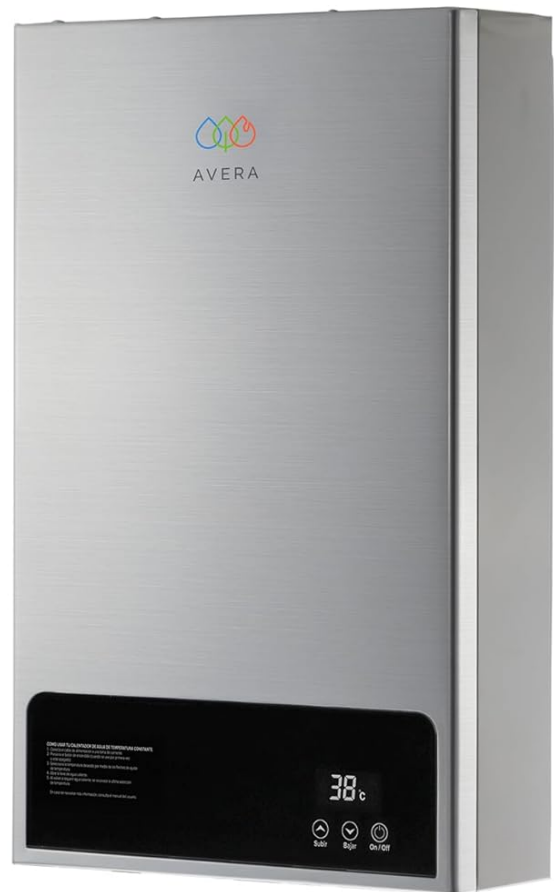
Panel digital



Encendido automático
127 V



Tiempo de calentamiento:
10 Litros por minuto



10  Litros por minuto* Hasta 80% Ahorro de gas 2  AÑOS DE GARANTÍA

Image: Overview of the AVERA CM10NAT water heater's main features, including its 10 L/min capacity, suitability for 2 services, digital panel, 127V automatic ignition, and up to 80% gas savings.

Elige el calentador ideal para tu hogar








Modelo		Capacidad 	Energía 	Servicios 
CM10		10 L/min.	Gas LP	2
CM10NAT		10 L/min.	Gas Natural	2
CM14		14 L/min.	Gas LP	2.5
CM24		24 L/min.	Gas LP	4

Image: A comparison table of AVERA water heater models, including CM10 (10 L/min, LP Gas, 2 services), CM10NAT (10 L/min, Natural Gas, 2 services), CM14 (14 L/min, LP Gas, 2.5 services), and CM24 (24 L/min, LP Gas, 4 services).

9. WARRANTY AND SUPPORT

The product description mentions a 2-year warranty. For detailed warranty terms and conditions, please refer to the official warranty document included with your purchase or visit the AVERA official website.

For technical support, service, or to report any issues, please contact AVERA customer service through their official channels.

10. PRODUCT VIDEOS

Watch these official videos for additional information and visual guidance on your AVERA water heater.

Your browser does not support the video tag.

Video: Product overview and features of the AVERA instant water heater (0:56).

Your browser does not support the video tag.

Video: Demonstration of the water heater's operation (0:27).

Your browser does not support the video tag.

Video: Detailed installation guide for the AVERA water heater (4:08).

Your browser does not support the video tag.

Video: Features and benefits of the AVERA instant water heater (1:00).

Your browser does not support the video tag.

Video: Guide on selecting the correct water heater for your needs (1:39).

Your browser does not support the video tag.

Video: Quick overview of the water heater's advantages (0:43).

