

## Foset 47354

# Foset 13L Natural Gas Tankless Water Heater

Model: 47354 - Instruction Manual

## 1. INTRODUCTION

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Thank you for choosing the Foset 13L Natural Gas Tankless Water Heater. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new water heater. Please read this manual thoroughly before attempting to install or operate the unit. Keep this manual for future reference.

## 2. SAFETY INFORMATION

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**WARNING: 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:** This appliance must be installed by a qualified and licensed professional in accordance with all local codes and regulations.
- **Gas Safety:** Ensure all gas connections are properly sealed and tested for leaks. Never use an open flame to check for gas leaks.
- **Ventilation:** Adequate ventilation is crucial for gas appliances. Ensure the unit is installed in a well-ventilated area and that the flue system is correctly installed and free from obstructions. Carbon monoxide is odorless and deadly.
- **Water Pressure:** Do not operate the unit if water pressure is below the minimum required specification.
- **Children and Pets:** Keep children and pets away from the water heater, especially during operation.
- **Flammable Materials:** Do not store or use flammable materials, gasoline, or other combustible vapors and liquids in the vicinity of this or any other appliance.

## 3. PRODUCT OVERVIEW

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The Foset 13L Natural Gas Tankless Water Heater is designed to provide instantaneous hot water for two services, offering efficiency and convenience. It features a compact design suitable for indoor installation.

### 3.1. Product Components



**Figure 1:** Front view of the Foset 13L Tankless Water Heater, highlighting key components. The top features the flue connection for exhaust gases. On the front panel, a control knob allows for temperature or mode adjustments, and a digital display shows the current temperature or operational status.

### 3.2. Dimensions



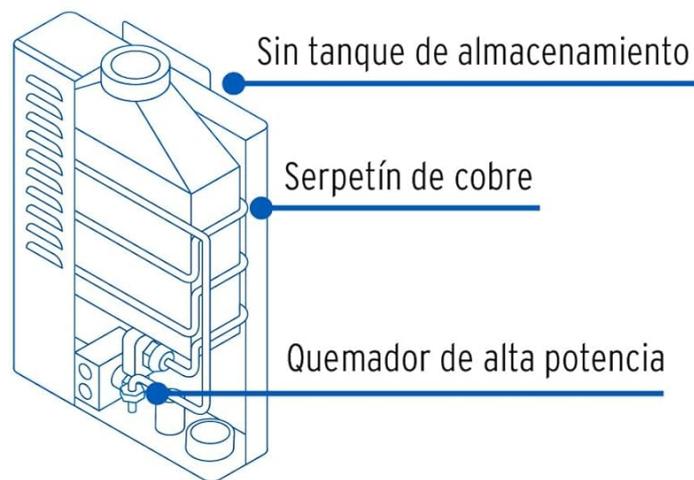
**Figure 2:** Side view of the Foset 13L Tankless Water Heater showing its physical dimensions. The unit measures approximately 61 cm (24 inches) in height, 35 cm (13.8 inches) in width, and 19 cm (7.5 inches) in depth.

### 3.3. Key Features

# De paso instantáneos, de gas

- Sin tanque de almacenamiento de agua
- Encienden al momento de abrir la llave de agua caliente
- Sistemas de seguridad que les permiten operar en automático con un calentador solar.
- Agua caliente limitada sin tiempos de espera hasta 70° C.
- Presión mínima de operación: 0.25 kgf/cm<sup>2</sup> (se recomienda altura mínima de 2 m del tinaco a la regadera).

HASTA  
**70%**  
AHORRO DE GAS  
Contra un calentador de depósito tradicional



Servicios simultáneos	Capacidad
2 1/2 a 3	13 L/min

**Figure 3:** Internal diagram and feature highlights. This instantaneous gas water heater operates without a storage tank, heating water on demand. It features a durable copper coil and a high-power burner for efficient heating. Benefits include up to 70% gas savings compared to traditional tank heaters and reliable operation even under low water pressure conditions (minimum 0.25 kgf/cm<sup>2</sup>).

- **Instantaneous Heating:** Heats water only when needed, eliminating standby energy loss.
- **Natural Gas Powered:** Efficient operation using natural gas.
- **13 Liter Capacity:** Provides hot water for up to two simultaneous services.
- **Compact Design:** Space-saving for indoor wall-mounted installation.
- **Digital Display:** For easy temperature monitoring.

## 4. SETUP AND INSTALLATION

**IMPORTANT:** Installation must be performed by a qualified and licensed professional. Failure to comply with this warning may result in property damage, serious injury, or death, and will void the product warranty.

1. **Location Selection:** Choose an indoor location with adequate ventilation, protected from freezing temperatures, and close to gas and water lines. Ensure sufficient clearance around the unit for maintenance.
2. **Mounting:** Securely mount the water heater to a sturdy wall using appropriate hardware, ensuring it is level.
3. **Gas Connection:** Connect the natural gas supply line to the unit's gas inlet. Use approved gas fittings and sealants. Perform a leak test after connection.
4. **Water Connections:** Connect the cold water inlet and hot water outlet lines. Install shut-off valves on both lines for easy maintenance. Flush the water lines before connecting to the unit to remove debris.
5. **Flue System:** Install the flue pipe according to local codes to ensure proper exhaust of combustion gases. Ensure the flue is securely connected and extends to the outside atmosphere without obstruction.
6. **Power Supply:** Connect the unit to the specified electrical power supply (if applicable for ignition/controls).
7. **Initial Startup:** After all connections are made and checked, slowly open the water supply valves to fill the unit. Check for water leaks. Then, slowly open the gas supply valve. Follow the operating instructions for initial startup.

## 5. OPERATING INSTRUCTIONS

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1. **Turning On:** Ensure the gas and water supply valves are fully open. The unit will typically enter a standby mode.
2. **Activating Hot Water:** Open a hot water faucet. The water heater will detect the flow and automatically ignite to heat the water.
3. **Adjusting Temperature:** Use the control knob on the front panel to adjust the desired water temperature. The digital display will show the set temperature or the current output temperature. Refer to the markings on the control knob for specific settings (e.g., minimum, maximum, specific temperature values).
4. **Turning Off:** To turn off the unit, close the hot water faucet. The unit will cease operation and return to standby mode. For extended periods of non-use, it is recommended to close the main gas and water supply valves to the unit.
5. **Freeze Protection:** If the unit is installed in an area prone to freezing, ensure proper freeze protection measures are in place as per installation guidelines.

## 6. MAINTENANCE

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Regular maintenance ensures the longevity and efficient operation of your water heater. It is recommended to have the unit inspected by a qualified professional annually.

- **Cleaning the Exterior:** Wipe the exterior casing with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Ventilation Check:** Periodically inspect the flue system for any obstructions, damage, or signs of leakage. Ensure proper airflow around the unit.
- **Water Inlet Filter:** Check and clean the water inlet filter periodically to prevent sediment buildup, which can affect water flow and heating efficiency. Turn off water supply before cleaning.
- **Gas Connections:** Annually inspect gas connections for any signs of corrosion or leaks. This should

be done by a professional.

- **Descaling:** In areas with hard water, mineral buildup (scaling) can occur inside the heat exchanger. Descaling should be performed by a qualified technician as needed to maintain efficiency.

## 7. TROUBLESHOOTING

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Before contacting customer support, please review the following common issues and their solutions:

Problem	Possible Cause	Solution
No hot water / Unit not igniting	No gas supply No water flow Low water pressure Ignition failure	Check if gas valve is open. Ensure hot water faucet is open. Verify water supply and pressure. Contact a qualified technician.
Water not hot enough	Temperature setting too low Excessive water flow Scaling in heat exchanger	Adjust temperature setting higher. Reduce water flow at the faucet. Contact a qualified technician for descaling.
Unit cycles on and off rapidly	Insufficient water flow Air in water lines	Increase water flow. Purge air from the water lines.
Error code displayed	Specific malfunction	Refer to the specific error code in the full technical manual or contact customer support.

If the problem persists after attempting these solutions, please contact a qualified service technician or Foset customer support.

## 8. SPECIFICATIONS

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Feature	Specification
Brand	Foset
Model Number	47354 (CALE-13I-N)
Capacity	13 Liters/minute (for two services)
Power Source	Natural Gas
Mounting Type	Wall
Installation Style	Indoor Installation
Color	White
Item Weight	23.9 pounds (approx. 10.8 kg)

Feature	Specification
Product Dimensions (L x W x H)	18 x 10.4 x 29 inches (approx. 45.7 x 26.4 x 73.7 cm)
Minimum Operating Pressure	0.25 kgf/cm <sup>2</sup> (approx. 3.55 PSI)
Batteries Required	Yes (for ignition/controls)

## 9. WARRANTY AND SUPPORT

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Foset products are manufactured to high-quality standards and are backed by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Foset website.

For technical assistance, service, or to inquire about replacement parts, please contact Foset customer support. Ensure you have your product model number (47354) and purchase date available when contacting support.

**Customer Support:** Please refer to the contact information provided on the product packaging or the official Foset website.