

ODM 50202676-PUG

ODM Ferroli Pegaso Eco 11 Liter LPG Water Heater User Manual

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your ODM Ferroli Pegaso Eco 11 liter LPG instantaneous water heater. Please read this manual thoroughly before installation and use, and keep it for future reference.

2. SAFETY INFORMATION

Important Safety Instructions:

- Installation and service must be performed by a qualified technician in accordance with local codes and regulations.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Ensure adequate ventilation for the appliance, especially for open chamber models.
- Never obstruct the flue gas outlet.
- If you smell gas, immediately shut off the gas supply, open windows, and do not operate any electrical switches or phones. Contact your gas supplier or a qualified technician.
- This appliance is designed for LPG (Liquefied Petroleum Gas) only. Do not attempt to use other gas types without proper conversion by an authorized service.

3. PRODUCT OVERVIEW

The Ferroli Pegaso Eco is an efficient and environmentally friendly instantaneous water heater designed to provide hot water on demand. It features a compact design, user-friendly controls, and advanced functions for energy saving and comfort.

Key Features:

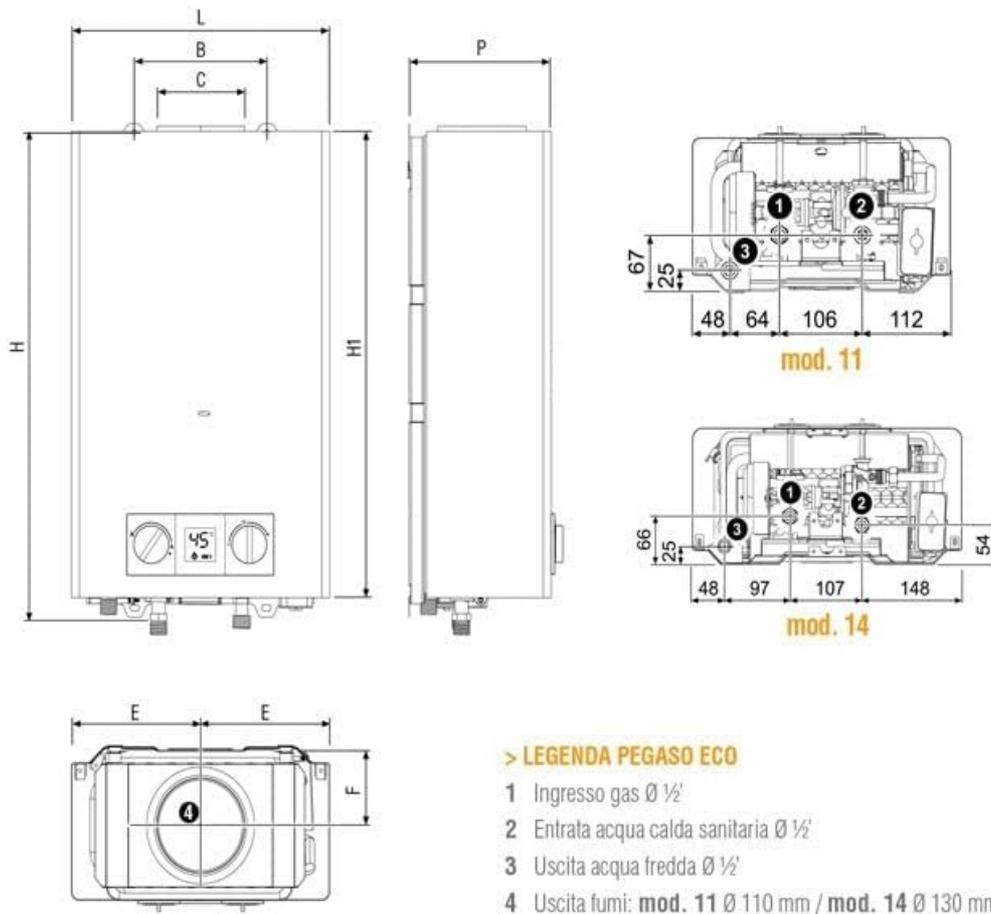
- **Capacity:** 11 liters per minute hot water production.
- **Fuel Type:** LPG (Liquefied Petroleum Gas).
- **Chamber Type:** Open chamber with natural draft.
- **Efficiency:** Developed according to European ErP directive efficiency parameters, offering low emissions (Low Nox – class 6).
- **Heat Exchanger:** Copper heat exchanger with ribbed tubes, externally treated with anti-corrosion aluminum.

- **Modulating Power:** Modulates performance based on incoming water temperature for stable hot water and energy savings.
- **Solar Integration (SUN EASY):** Designed to integrate seamlessly with thermal solar systems (natural or forced circulation) to maximize efficiency and comfort.
- **ECO Function:** Allows fixing hot water temperature at 42°C for comfort while reducing maximum power output (80% Pmax) for energy saving. Parameters are adjustable.
- **User Interface:** Easy-to-read display with indicators for operation and battery charge. Ergonomic knobs for power and temperature adjustment.

4. SETUP AND INSTALLATION

The Ferroli Pegaso Eco water heater is designed for wall mounting. Ensure the installation location is suitable, with proper ventilation and access for maintenance.

Dimensions and Connections:



PEGASO ECO	L (mm)	B (mm)	C (mm)	P (mm)	E (mm)	F (mm)	H (mm)	H1 (mm)
11	330	170	110	180	165	91	550	575
14	400	220	130	187	200	93	650	678

Figure 1: Product dimensions and connection points for Pegaso Eco models 11 and 14.

The image above illustrates the physical dimensions and connection points for the Pegaso Eco water heater. For model 11, the dimensions are as follows:

L (Length): 330 mm

B (Width): 170 mm

C (Mounting Width): 110 mm

P (Depth): 180 mm

E (Connection Spacing): 165 mm

F (Connection Depth): 91 mm

H (Height to top of casing): 550 mm

H1 (Total Height including connections): 575 mm

Connection Legend:

1. **Gas Inlet:** Ø 1/2"
2. **Domestic Hot Water Outlet:** Ø 1/2"
3. **Cold Water Inlet:** Ø 1/2"
4. **Flue Outlet:** Ø 110 mm (for model 11)

Ensure all connections are properly sealed and tested for leaks before operation. The appliance operates on batteries for ignition.

Gas Type Conversion: The product is sold in methane and LPG versions. It can be converted to use propane-air (50% air - 50% propane) by an authorized technical service. A conversion fee may apply.

5. OPERATING INSTRUCTIONS

The Ferroli Pegaso Eco water heater is designed for user-friendly operation with intuitive controls.

Controls:

- **Ergonomic Knobs:** Use the rotary knobs on the front panel to adjust the power output and the desired hot water temperature.
- **Display:** The interface display provides necessary information regarding the appliance's operation and battery charge status.

Functions:

- **ECO Function:** Activate the ECO function to set the hot water temperature to an ideal 42°C, while simultaneously reducing the maximum power output to 80%. This optimizes comfort and energy savings. Both temperature and power reduction parameters can be adjusted according to user preferences.
- **SUN EASY Integration:** When integrated with a solar thermal system, the water heater continuously monitors the temperature of the water from the solar circuit. The burner will only activate if the solar-heated water is not hot enough to reach the desired setpoint temperature. This ensures maximum utilization of solar energy, leading to significant savings even in colder seasons.

To operate, ensure the gas supply is open and the appliance has sufficient battery power. Adjust the desired water temperature using the control knobs. The water heater will automatically ignite when hot water is demanded.

6. MAINTENANCE

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

- **Cleaning:** Keep the exterior of the appliance clean. Do not use abrasive cleaners.
- **Flue System:** Ensure the flue gas outlet is clear of obstructions. Regular checks of the flue system are crucial for safety.
- **Water Quality:** In areas with hard water, consider periodic descaling by a professional to maintain efficiency.
- **Battery Replacement:** Replace batteries as indicated by the display or when ignition becomes unreliable.
- **Professional Inspection:** An authorized service technician should check all components, including the heat exchanger, gas connections, and safety devices, at least once a year.

7. TROUBLESHOOTING

This section provides solutions to common issues. For problems not listed here or if issues persist, contact a qualified technician.

Problem	Possible Cause	Solution
No hot water / Appliance does not ignite	No gas supply, low water pressure, dead batteries, flue obstruction.	Check gas valve, ensure sufficient water flow (above 11 liters/minute for ignition), replace batteries, check flue for blockages.
Water not hot enough	Temperature setting too low, ECO function active, insufficient gas pressure, scale buildup.	Increase temperature setting, adjust ECO function parameters, check gas supply, consider professional descaling.
Unusual noises	Air in the system, scale buildup, loose components.	Bleed air from water lines, professional descaling, contact technician for inspection.
Gas smell	Gas leak.	Immediately shut off gas supply, ventilate area, do not operate electrical switches, contact emergency services and a qualified technician.

8. SPECIFICATIONS

Detailed technical specifications for the ODM Ferroli Pegaso Eco 11 Liter LPG Water Heater (Model 50202676-PUG):

Brand: ODM (Ferroli series: Pegaso ECO)

Model Number: 50202676-PUG

Capacity: 11 Liters/minute (hot water production)

Fuel Type: LPG (Liquefied Petroleum Gas)

Chamber Type: Open chamber with natural draft

Product Dimensions (W x H x D): 330 mm x 575 mm x 180 mm (for model 11)

Mounting Type: Wall

Heat Exchanger: Copper with ribbed tubes, anti-corrosion treatment

Special Features: Power modulation, solar integration (SUN EASY), ECO function

Power Supply: Battery operated for ignition

UPC: 615402815116

ASIN: B0DFQ4STPX

9. WARRANTY AND SUPPORT

Your ODM Ferroli Pegaso Eco water heater comes with a **2-year warranty** from Ferroli Italia, covering manufacturing defects.

For warranty claims, technical assistance, or professional service (e.g., gas type conversion, annual inspection), please contact an authorized Ferroli technical service center. Always ensure that any service or repair work is carried out by qualified personnel using original spare parts.

For further support, refer to the contact information provided with your purchase documentation or visit the official Ferroli website.

