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QUICK 119869

QUICK Boiler 60 LT User Manual

Model: 119869

1. Introduction

This manual provides essential information for the safe installation, operation, and maintenance of your QUICK Boiler 60 LT, Model 119869. Please read this manual thoroughly before installing or using the boiler to ensure proper function and to prevent injury or damage.
The QUICK Boiler 60 LT is designed for marine applications, featuring a composite casing and an AISI 316 stainless steel tank for durability and corrosion resistance in demanding environments.

2. Safety Instructions

WARNING: Failure to follow these safety instructions could result in electric shock, fire, serious injury, or property damage.

- **Electrical Safety:** Ensure the boiler is installed by a qualified technician. Disconnect power before performing any maintenance or installation. The unit operates on 220 Volts.
- **Water Pressure:** Do not exceed the maximum operating pressure of 6 Bar (600 kPa). A safety valve is supplied and must be installed.
- **Temperature:** Hot water can cause severe burns. Exercise caution when using hot water from the boiler.
- **Installation Environment:** Install the boiler in a well-ventilated area, protected from freezing temperatures. Ensure proper drainage.
- **Maintenance:** Only qualified personnel should perform repairs. Use only genuine QUICK replacement parts.

3. Package Contents

Upon unpacking, verify that all components are present and undamaged. If any parts are missing or damaged, contact your supplier immediately.

Figure 1: Key components of the QUICK Boiler system. This image displays the mixing valve assembly, a heating element, a safety valve, and an optional explosion protection unit. Each component is crucial for the boiler's safe and efficient operation.

Typical components include:

- QUICK Boiler 60 LT Unit
- Mixing Valve (for regulating water temperature)
- Heating Element (pre-installed or separate, 1200W for this model)
- Safety Valve (calibrated to 6 Bar)
- Mounting Brackets (if supplied)
- Instruction Manual (this document)
- Optional: Explosion Protection Unit (if ordered)

4. Setup and Installation

Installation should be performed by a qualified marine technician in accordance with local regulations and marine standards.

4.1 Mounting

- Select a suitable location that is easily accessible for maintenance, protected from freezing, and structurally sound to support the boiler's weight when full (approx. 14.6 kg empty + 60 kg water = 74.6 kg).
- Securely mount the boiler using appropriate marine-grade fasteners and brackets.

4.2 Water Connections

- Connect the cold water inlet to the boiler.
- Install the supplied safety valve (rated at 6 Bar) on the cold water inlet line or as specified by local codes. Ensure the discharge line from the safety valve is routed to a safe location where water can drain without causing damage.
- Connect the hot water outlet from the boiler to the vessel's hot water distribution system.
- Install the mixing valve on the hot water outlet to regulate the desired output temperature, blending hot water from the boiler with cold water.
- Ensure all connections are watertight using appropriate sealants and fittings.

4.3 Electrical Connection

- Ensure the main power supply to the vessel is disconnected.
- Connect the boiler to a dedicated 220V AC circuit, protected by an appropriately sized circuit breaker (e.g., 10A for 1200W).
- Ensure proper grounding of the unit.
- Verify all electrical connections are secure and insulated.

4.4 Filling the Boiler

- Before applying power, open a hot water faucet on the vessel to allow air to escape.
- Open the cold water supply valve to the boiler.
- Allow the boiler to fill completely until water flows steadily from the open hot water faucet. Close the faucet.
- Check all water connections for leaks.

5. Operating Instructions

5.1 Initial Start-up

- Ensure the boiler is completely filled with water (as per Section 4.4).
- Restore power to the boiler's circuit. The heating element will begin to heat the water.
- Allow sufficient time for the water to reach the desired temperature (typically 20-40 minutes for a full tank,

depending on initial water temperature).

5.2 Temperature Regulation

- The mixing valve allows you to adjust the temperature of the hot water delivered to your faucets. Turn the adjustment knob or lever on the mixing valve to achieve the desired output temperature.
- **CAUTION:** Do not set the mixing valve to deliver excessively hot water to prevent scalding.

5.3 Shutting Down

- To turn off the boiler, disconnect power at the circuit breaker.
- For extended periods of non-use or during winterization, drain the boiler completely to prevent freezing damage.

6. Maintenance

Regular maintenance ensures the longevity and efficient operation of your QUICK Boiler.

- **Annual Inspection:** Have a qualified technician inspect the boiler annually. Check for leaks, corrosion, and proper operation of the safety valve.
- **Safety Valve Test:** Periodically (e.g., every 6 months), test the safety valve by lifting the lever briefly to ensure it operates freely and discharges water. Release the lever to reseat the valve.
- **Draining and Winterization:** Before periods of freezing temperatures or extended storage, completely drain the boiler.
    a. Disconnect electrical power.
    b. Close the cold water supply valve.
    c. Open a hot water faucet on the vessel.
    d. Open the drain valve on the boiler (if present) or disconnect a water line at the lowest point to allow all water to drain.
    e. Ensure all water is removed to prevent freeze damage.
- **Anode Rod (if applicable):** Some boilers include an anode rod to protect the tank from corrosion. Consult a technician for inspection and replacement if your model is equipped with one.
- **Cleaning:** Do not use abrasive cleaners on the exterior. Wipe with a damp cloth.

7. Troubleshooting

Before attempting any repairs, disconnect power to the boiler.

Problem	Possible Cause	Solution
No hot water	No power to boiler Heating element failure Thermostat issue	Check circuit breaker. Ensure boiler is plugged in. Contact qualified technician for element replacement. Contact qualified technician for thermostat check.
Water not hot enough	Mixing valve set too low Insufficient heating time Partial heating element failure	Adjust mixing valve setting. Allow more time for heating. Contact qualified technician.
Water leaking from boiler	Loose connections Faulty safety valve Tank leak	Tighten connections. Use thread sealant. Inspect/replace safety valve. Contact qualified technician; tank leaks may require replacement.

Problem	Possible Cause	Solution
Safety valve dripping	Normal expansion during heating Excessive water pressure Faulty safety valve	This is normal. If excessive, check expansion tank (if installed). Check vessel's water pressure regulator. Replace safety valve.

8. Specifications

The following table details the specifications for the QUICK Boiler series, with specific focus on the 60 LT model (Item No. 2400760).

Figure 2: Detailed specifications for various QUICK Boiler models. This table provides critical data such as capacity (Lt.), voltage (Volts), power (Watt), maximum pressure (Bar), diameter (Ø mm.), length (Lung. mm.), and empty weight (Kg. (a vuoto)) for different article numbers.

Feature	Specification (60 LT Model)
Model Number	119869
Item Number (from table)	2400760
Capacity	60 Liters
Voltage	220 Volts
Power	1200 Watts
Max. Pressure	6 Bar
Diameter	400 mm
Length	721 mm
Weight (empty)	14.6 kg
Casing Material	Composite
Tank Material	AISI 316 Stainless Steel

9. Warranty and Support

For warranty information, please refer to the terms and conditions provided at the time of purchase or contact your authorized QUICK dealer. Keep your proof of purchase for warranty claims.
For technical support, spare parts, or service, please contact your local QUICK distributor or the retailer from whom you purchased the product. Provide your model number (119869) and serial number (if applicable) when seeking assistance.

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