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FAIS VERTICALE8001255896020

FAIS 80-Liter Vertical Electric Water Heater

Instruction Manual

1. Introduction

Thank you for choosing the FAIS 80-liter Vertical Electric Water Heater. This manual provides detailed instructions for the proper installation, operation, and maintenance of your appliance. Please read this manual thoroughly before installation and use, and keep it for future reference. Proper adherence to these instructions will ensure safe operation and extend the lifespan of your water heater.
This model features a vitrified enamel boiler and a magnesium anode for enhanced durability and corrosion protection.



Image 1.1: Front view of the FAIS 80-liter Vertical Electric Water Heater. The unit is white with the red 'Fais' logo near the bottom and

a temperature dial at the top.

2. Safety Information

Always observe the following safety precautions to reduce the risk of fire, electric shock, injury, or damage to the appliance.

- **Electrical Safety:** Ensure the water heater is connected to a properly grounded electrical outlet. Do not use extension cords. Disconnect power before any maintenance or repair.
- **Water Pressure:** Do not operate the water heater without water. Ensure proper water pressure is maintained as per local regulations.
- **Installation:** Installation must be performed by a qualified technician in accordance with all local and national electrical and plumbing codes.
- **Temperature:** Hot water can cause severe burns. Exercise caution when using hot water and consider installing anti-scald devices if necessary.
- **Maintenance:** Regular maintenance, including anode inspection and replacement, is crucial for safe and efficient operation.
- **Children and Pets:** Keep children and pets away from the water heater, especially during operation and maintenance.

3. Setup and Installation

This section outlines the general steps for installing your FAIS vertical electric water heater. Professional installation is highly recommended.

3.1 Unpacking

Carefully remove the water heater from its packaging. Inspect the unit for any signs of damage incurred during transit. Report any damage to your supplier immediately.

3.2 Location Selection

Choose a suitable location for installation. The water heater is designed for vertical wall mounting. The location should be:

- Close to the main hot water usage points to minimize heat loss.
- On a wall capable of supporting the full weight of the water heater when filled with water (approx. 80 kg + unit weight).
- Protected from freezing temperatures.
- Equipped with a floor drain or suitable means to manage potential water leaks.

3.3 Plumbing Connections

1. Install a pressure relief valve (T&P valve) according to local codes.
2. Connect the cold water inlet to the designated port (usually marked blue or 'C').
3. Connect the hot water outlet to the designated port (usually marked red or 'H').
4. Ensure all connections are watertight.
5. Fill the water heater completely with water before connecting to power. Open a hot water faucet in your home to allow air to escape until water flows steadily.

3.4 Electrical Connection

The water heater operates at 80 Volts AC and consumes 2000 Watts. Ensure your electrical supply matches these requirements.

1. Ensure the main power supply to the installation area is turned off at the circuit breaker.
2. Connect the water heater to a dedicated, grounded electrical circuit as per local electrical codes.
3. Verify all electrical connections are secure and properly insulated.
4. Once plumbing is complete and the tank is full, restore power to the unit.

4. Operating Instructions

Once installed and filled with water, your FAIS electric water heater is ready for operation.

4.1 Temperature Adjustment

The water heater is equipped with a temperature control dial, typically located on the front or bottom of the unit. To adjust the water temperature:

- Rotate the dial clockwise to increase the temperature.
- Rotate the dial counter-clockwise to decrease the temperature.
- Start with a moderate setting and adjust as needed for comfort and energy efficiency. Avoid excessively high temperatures to prevent scalding and reduce energy consumption.

4.2 Initial Heating

After initial power-up, the water heater will begin heating the water to the set temperature. This process may take several hours depending on the initial water temperature and the set temperature. The indicator light (if present) will illuminate during heating and turn off once the set temperature is reached.

5. Maintenance

Regular maintenance is essential for the longevity and efficient operation of your water heater.

5.1 Anode Rod Inspection and Replacement

The magnesium anode rod protects the tank from corrosion. It should be inspected annually and replaced every 3-5 years, or more frequently in areas with hard water.

1. Turn off the power supply to the water heater.
2. Turn off the cold water supply to the water heater.
3. Drain a portion of the water from the tank to reduce pressure.
4. Locate and carefully remove the anode rod.
5. Inspect the rod for significant deterioration. If more than half of the rod's core wire is exposed, it needs replacement.
6. Install a new anode rod, ensuring it is securely tightened.
7. Refill the tank, check for leaks, and restore power.

5.2 Draining and Flushing

To remove sediment buildup, it is recommended to drain and flush the tank annually.

1. Turn off power and cold water supply.

2. Connect a hose to the drain valve at the bottom of the tank and direct it to a suitable drain.
3. Open the drain valve and open a hot water faucet in your home to allow air into the tank.
4. Allow the tank to drain completely.
5. Once drained, briefly open the cold water supply to flush out any remaining sediment.
6. Close the drain valve, disconnect the hose, and refill the tank before restoring power.

6. Troubleshooting

This section provides solutions to common issues you might encounter with your water heater.

Problem	Possible Cause	Solution
No hot water or insufficient hot water	• No power to the unit • Thermostat set too low • Heating element failure • Tank too small for demand	• Check circuit breaker/fuse • Adjust thermostat setting • Contact qualified technician for element replacement • Reduce hot water usage
Water leaking from tank	• Loose plumbing connections • Pressure relief valve discharge • Tank corrosion	• Tighten connections • Check water pressure, ensure T&P valve is not faulty • Contact qualified technician; tank may need replacement
Noisy operation (rumbling, popping)	Sediment buildup in tank	Drain and flush the tank (refer to Section 5.2)
Water has an odor	Bacterial growth in tank (often due to anode rod)	Flush tank and consider replacing anode rod with an aluminum/zinc alloy rod if problem persists.

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

7. Specifications

Feature	Detail
Brand	FAIS
Model Number	VERTICALE8001255896020
Capacity	80 Liters
Type	Vertical Electric Water Heater
Voltage	80 Volts AC

Feature	Detail
Wattage	2000 Watts
Energy Efficiency Class	C
Color	White
Special Features	Vitrified enamel boiler, Magnesium anode
Item Weight	8 grams (Note: This weight is for the packaging or a component, not the full unit.)

8. Warranty and Support

Your FAIS 80-liter Vertical Electric Water Heater comes with a**2-year warranty** from the date of purchase. This warranty covers manufacturing defects under normal use and service.
For warranty claims, technical support, or service inquiries, please contact your retailer or the FAIS customer service department with your proof of purchase and model number.

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