



## Operating and installation instruction book




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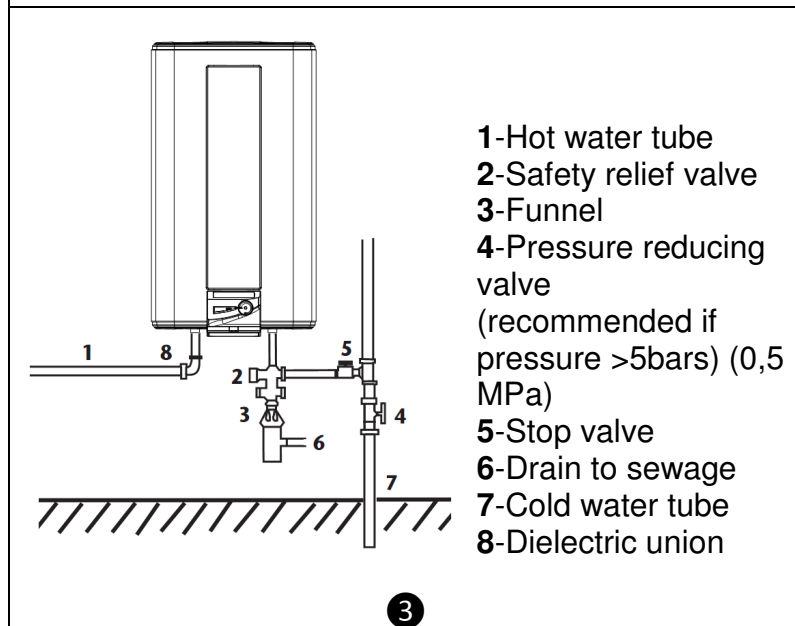
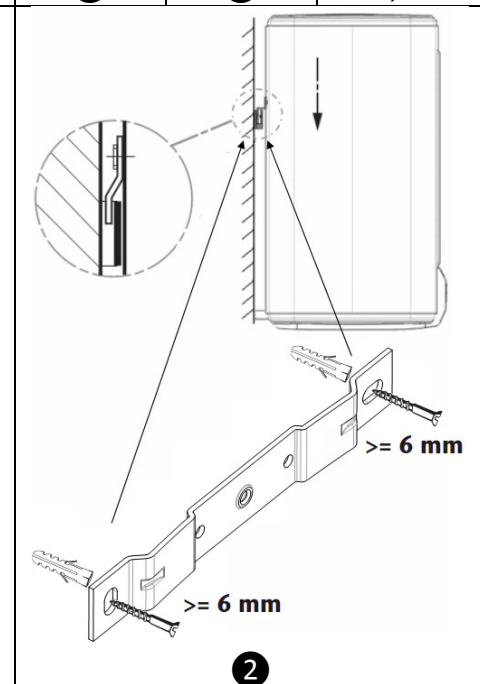
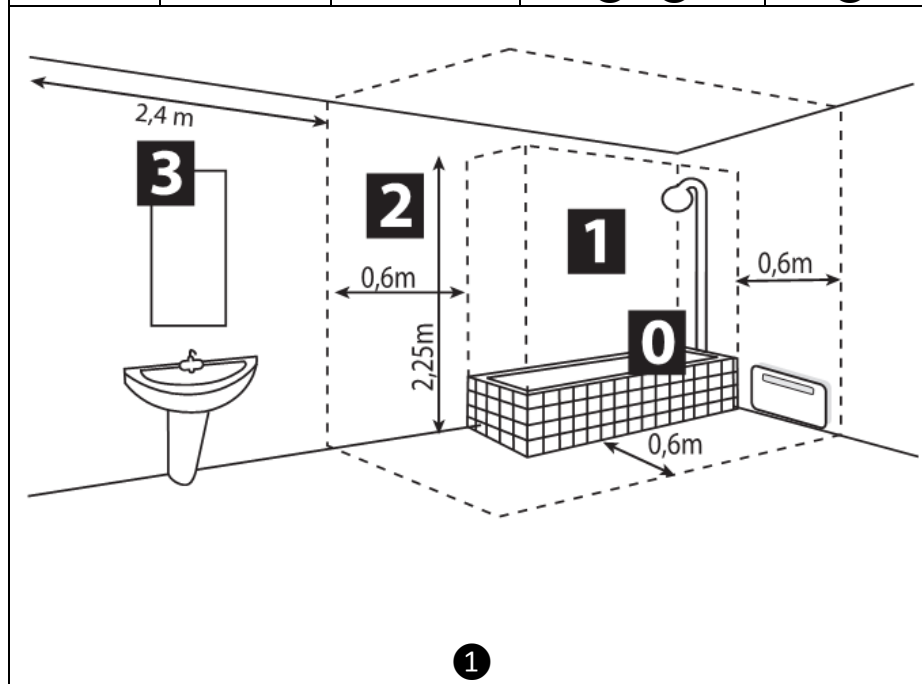
### ***ELECTRIC WATER HEATER*** **EN** *Glass-lined Inner tank*

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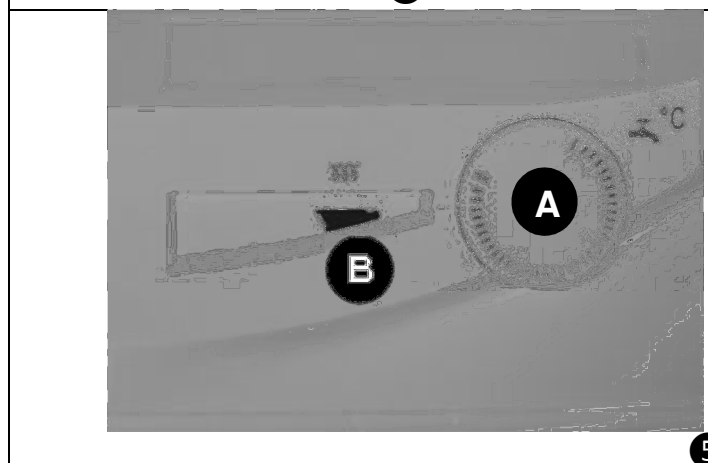
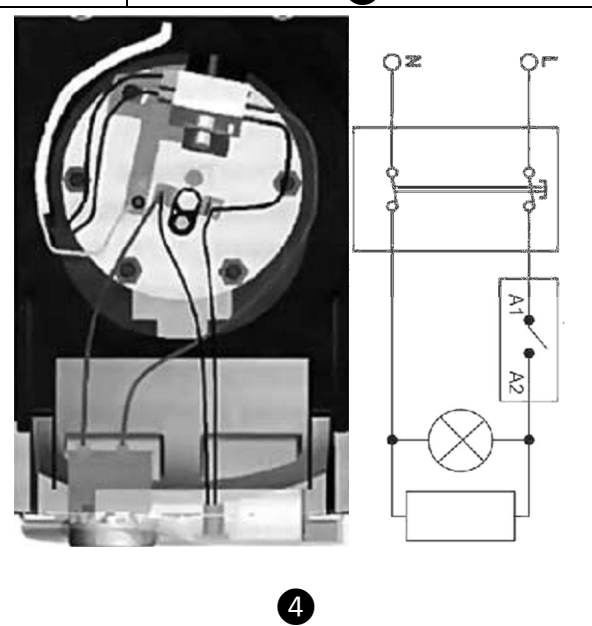


N° : \_\_\_\_\_  
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CAPACITY	OUTPUT (kW) (Bt)	VOLTAGE (V~) /(B~)				MAIN BOARD	kW/24h (kBt/24h) (vertical)
<b>SQUARE O'PRO</b>							
15 l	2000	230	① & ②	③	④	⑤	0,41
30 l	2000	230	① & ②	③	④	⑤	0,56
50 l	2000	230	① & ②	③	④	⑤	0,76



- 1-Hot water tube
- 2-Safety relief valve
- 3-Funnel
- 4-Pressure reducing valve (recommended if pressure >5bars) (0,5 MPa)
- 5-Stop valve
- 6-Drain to sewage
- 7-Cold water tube
- 8-Dielectric union



- A- External knob
- B- Heating light

## ENGLISH (EN)

**WARNINGS:** This device is not intended for use by persons (including children) with physical, sensory or mental disability, or by persons lacking experience or knowledge, unless they have received from a person in charge of their safety adequate supervision or preliminary instructions on how to use the device. Children should be supervised to ensure that they do not play with the appliance. This unit can be used by children of not less than 8 years and people with reduced physical, sensory or mental capabilities or without experience or knowledge if they are properly supervised or if the instructions for using the device safely have been given and if the risks are taking into account. Children must not play with the device. Cleaning and maintenance must not be done by children without supervision.

### 1. CAUTION! Heavy item, handle with care:

- 1.1 Install the appliance in a room which is protected from frost. If the appliance is damaged because the safety device has been blocked, it is not covered by guarantee,
- 1.2 Make sure that the wall on which the appliance is mounted can support the weight of the appliance when filled with water,
- 1.3 If the appliance is to be fitted in a room or location where the ambient temperature is higher than 35 °C, provide sufficient ventilation,
- 1.4 When installed in a bathroom, do not install the appliance in volumes V0 and V1 (See fig. ①, p.3). If the water heater is to install above living space, fit a retaining tank with drain to the sewer system. Place the water heater in a place with easy access,
- 1.5 If PER pipes are used, the installation of a thermostatic regulator on the output pipe of the device is strongly recommended. It will be set according to the performance of the material used.
- 1.6 Installation of a vertical or horizontal wall mounted device: To allow the replacement of the heating element leave a free space of 300mm between the tube ends and the wall or fixed furniture.
- 1.7 Switch off the power before removing the cover, to avoid any risk of injury or electric shock.
- 1.8 The installation must be equipped, upstream of the appliance, with a bipolar cut-out device (fuse, breaker switch) respecting local regulations (30 mA earth-leakage breaker).
- 1.9 If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or the after sales service.
- 1.10 Mandatory installation of a safety device in a frost free location (or any other new device which limits the tank pressure) to 7 or 9 bar (0.7 or 0.9 MPa) according to the nominal pressure, with a size of 1/2 "or 3/4" on the input of the water heater, respecting the local regulations (see table p.1),
- 1.11 Operate regularly the discharge of safety device to prevent scaling and check that it is not blocked.
- 1.12 Hydraulic accessories should not be located between the safety valve and the cold water inlet. A pressure reducer (not supplied) is required when the water supply pressure exceeds 5 bar (0,5 MPa) and will be fitted on the main supply.
- 1.13 Connect the safety device to an unpressurised outlet pipe in a frost free location, with a continuous slope to evacuate water during heating up or draining the water heater.
- 1.14 The pipes used must support 10 bars (1 MPa) and 100 °C.
- 1.15 To drain the device: Switch off the power and the supply of cold water, open the hot water faucets and manipulate the safety valve. To drain under sink water heater disconnect the hydraulic connections and return the device.
- 1.16 Do not dispose your water heater in the garbage, but hand it to a place assigned for this purpose (collection point) where it can be recycled.



## INSTALLATION: See the general warnings 1 to 6

- INSTALLATION OF A VERTICAL WALL-MOUNTED APPLIANCE: see fig. ② page 2).
- Installation must done by qualified/approved personal.

## **HYDRAULIC CONNECTION: See the general warnings 10 to 14**

- All water supply pipes must be thoroughly cleaned before connection. The connection to the hot water outlet must be made using a bimetallic nipple or a plastic dielectric union in order to avoid corrosion of the tubes (due to direct contact between iron and copper). A brass union must not be used.
- **UNVENTED INSTALLATION:** A new safety device which conforms to current standards **MUST be fitted**, with a rated pressure of 9 bar (0.9 Mpa), and dimension 1/2"

## **ELECTRICAL CONNECTION**

- The water heater can be connected and powered only by a single-phase 230 V ~ AC. Connect the water heater via a fixed duct with a cross section of 2.5mm<sup>2</sup>. For that use a standard duct (rigid or flexible) to the calibrated receptacle in the cover. In the case of appliances fitted with a cable without the plug (**The plug is prohibited**), connect up directly. The earthing conductor must be connected to earth or lead the earth wire to the terminal provided indicated by the symbol. **This connection is absolutely necessary for safety reasons.** The green-yellow earth wire must be longer than the two live wires. Installation must include upstream of the appliance, an all pole cut-out device (contact opening at least 3 mm: fuse, breaker switch). When the water pipes are made of insulating material, the electrical contacts must be protected by a 30 mA earth-leakage breaker conforming to the standards in force.
- The installation must be equipped, upstream of the appliance, with a bipolar cut-out device (contact opening at least 3 mm; fuse, breaker switch.) If the ducts are made of insulating material, the electrical contacts must be protected by a 30 mA earth-leakage breaker conforming to the applicable standards. Adapt the connection to the power supply (see diagrams and table). Before removing the cover, switch off the power.
- **Thermal circuit breaker:** All our products are equipped with a thermal circuit breaker with manual resetting which shuts off the power to the water heater if it becomes overheated.

**CAUTION:** If the circuit breaker keeps tripping. a) Switch off the power before taking any further action, b) Remove the cover, c) Check the electrical connections, d) Reset the thermal circuit breaker. If the circuit breaker continues to trip, replace the thermostat. Never by-pass the safety device or the thermostat. Connect the power supply only via the terminal.

## **STARTING UP**

- **WARNING: Never switch on the water heater without water.** Before switching on, open the hot water taps, vent the pipes of air and fill the appliance.
- Check the water tightness of the pipe work and the door seal below the cover. In case of a leak, tighten slightly. Check that the water safety devices are working and fill the drain. **Switch on the appliance. After 5 – 20 minutes, depending on the capacity of the appliance, water should drip from the drain hole. This phenomenon is due to water expansion and is normal.** Check the water tightness of the joints and the seal. During heating and depending on water quality, room-sealed water heaters can produce a boiling noise; this is normal and does not indicate any defect on the appliance. To avoid the development of bacteria (legionella...) ensure that a temperature of 60 °C is reached every day. The thermostat is set at the factory at the stop (65 °C+/- 5 °C).
- **IMPORTANT :** If steam or boiling water emerges continuously from a supply tap or a drain valve, switch off the electricity to the water heater or boiler and call a professional plumbing contractor

## **MAINTENANCE**

- **User maintenance:** Operates once a month the discharge of the water safety device to prevent scaling and verify that it is not blocked. If this is not done, damage may be caused and the guarantee invalidated. .
- **Maintenance by a qualified person:**
  - Remove the scale sludge. Do not scrape or hammer the lime scale deposited on the casing, as this may damage the lining.
  - Change the magnesium anode every 2 years or when its diameter is lower than 10 mm.
  - Changing the shielded heating element or the anode requires the water heater to be drained and the joint changed. DRAIN: Switch off the power and cold water and open the hot water taps before carrying out these operations. Refit the heating element and tighten the screws smoothly (opposite screws in sequence), check for leaks the next day and tighten if required.

If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.

- **REPLACEABLE PARTS:** the thermostat, seals, heating element, the heating sleeve, the indicator light, the magnesium anode, the connection cable. **The guarantee requires genuine manufacturer's parts to be used.**

## GUARANTEE

- The water heater must be installed, used and maintained according to best practice and conform to the standards in force in the country in which it is installed and to the instructions contained in this document. This guarantee comes into force when the appliance is delivered to the consumer. In addition to the legal guarantee, certain items are covered by an extra guarantee relating only to the free exchange of the tank and of components accepted as defective. **It does not include the cost of replacement or carriage.** Refer to the table below. This commercial guarantee does not affect your statutory rights. It applies within the country where the product was acquired, provided it is also installed in the same country. The dealer must be informed of any damage before the product is exchanged under guarantee and the appliance will remain available for inspection by experts from the insurance company and the manufacturer.

Range :	SQUARE O'PRO
Statutory :	2 years all parts

- **Exclusions:** Wear parts: magnesium anodes...Equipment which cannot be assessed (access difficult for repair, maintenance or assessment). Equipment exposed to abnormal environmental conditions: frost, bad weather, water which is abnormally aggressive or outside drinking standards, electrical supply with large spikes. Equipment installed without observing current standards in the country of installation: the absence or incorrect fitting of safety devices, abnormal corrosion due to incorrect water fitments (iron/copper contact), incorrect earthing, inadequate cable thickness, non-observance of the connection drawings shown in these instructions. Equipment not maintained in accordance with these instructions. Repairs or replacement of parts or components in the equipment not carried out or authorised by the company responsible for the guarantee. Changing a component does not extend the life of the guarantee.
- To claim under guarantee, contact your **installer or dealer**. If necessary, contact: ATL INTERNATIONAL Tel.:(33)146836000, Fax (33)146836001 58 av Gén. Leclerc 92340 Bourg-la-Reine (France) who will inform you of what you should do. The guarantee applies only to examine products which are accepted as faulty by the company underwriting the guarantee. It is essential that products should be retained for inspection by them.

UNIT TYPE :	
SERIAL NUMBER:	
CUSTOMER'S NAME AND ADDRESS :	

**CAUTION:** To reduce the risk of excessive pressures and temperatures in this water heater, install temperature and pressure protective equipment supplied with the water heater (pressure relief devices). Install the valve into an opening provided for this purpose in the water heater, and orient it or provide tubing so that any discharge from the valve will exit only within 15 cm above or at any distance below the structural floor and cannot contact any live electrical part. The discharge opening must not block or reduce in size under any circumstances.