

7. FAULT FINDING

SYMPTOM	PROBABLE CAUSE	ACTION
No hot water	1. Check power	Check and replace as necessary.
	2. Faulty cut out	
	3. Faulty thermostat	
	4. Faulty element	
Water too hot /cold	1. Thermostat set to wrong temperature	Adjust thermostat.
	2. Faulty thermostat	
No water flow	1. Frozen	Switch off electrical power and allow to thaw at room temperature. Do not switch on again until full water flow restored and full checks made for leaks and electrical safety.
	2. No mains supply	
Continuous water flow	Faulty valve/tap	Check and replace.

8. SPARE PARTS

In the unlikely event of your Water Heater developing a fault, the following spare parts are available:

Element plate assembly 7 litre 1.2kW	95 606 936
Element plate assembly 7 litre 3kW	95 606 937
Element plate assembly 10 litre 1.2kW	95 606 938
Element plate assembly 10 litre 3kW	95 606 949
Element plate assembly gasket	95 611 708
Capillary thermostat	95 612 667
Over temperature cut-out	95 612 688
Top cover moulding	95 614 272
Terminal cover	95 614 273

9. GUARANTEE

This product is guaranteed against faulty materials and manufacture for a period of 2 years from the date of purchase provided that:

1. The unit has been installed in accordance with the Installation and User Instructions and all relevant Codes of Practice and Regulations in force at the time of Installation, and that all necessary controls and safety valves have been fitted correctly.
2. Any valves and controls are of the Santon recommended type and specification.
3. The unit has not been modified or tampered with in any way.
4. The unit has been used only for heating potable water.

The unit is not guaranteed against damage by frost, and the inner container with integral immersion heater is not guaranteed against excessive scale build-up.

This Guarantee in no way affects the statutory rights of the consumer.

The policy of Santon is one of continuous product development and, as such, we reserve the right to change specifications without notice.

10. ENVIRONMENTAL INFORMATION

Santon products are manufactured from many recyclable materials. At the end of their useful life they should be disposed of at a Local Authority Recycling Centre in order to realise the full environmental benefits. Insulation is by means of Approved CFC-free polyurethane foam.

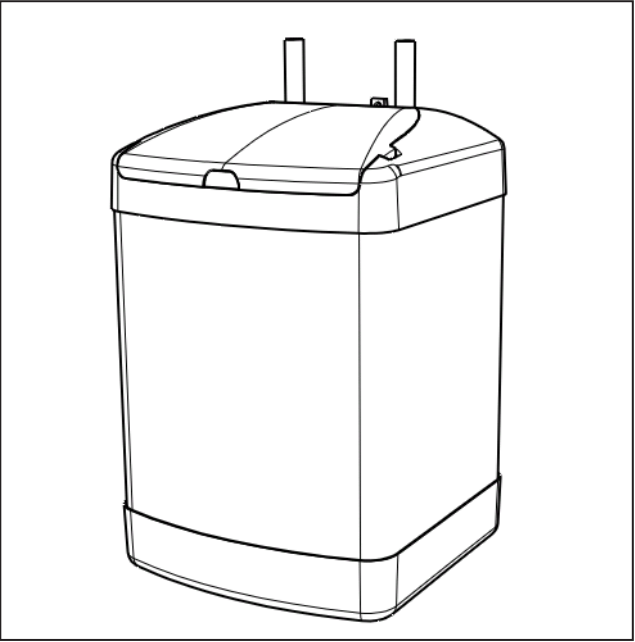


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Installation and User Instructions  
Aquarius Undersink Vented Water Heaters  
Models: AU7/3, AU7/1, AU10/3, AU10/1.



Please read and understand these instructions before starting work.  
Please leave this leaflet with the user following installation

**PACK CONTENTS**  
Heater, Fixing screws and plugs,  
Installation and User Instructions.

**WARNING**  
This water heater must only be installed by qualified persons.

1. INSTALLATION

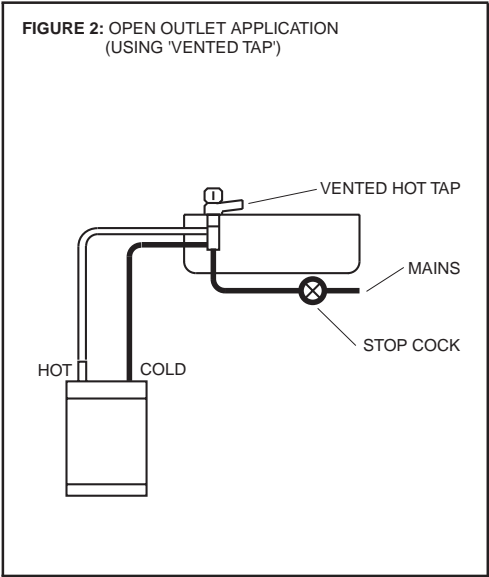
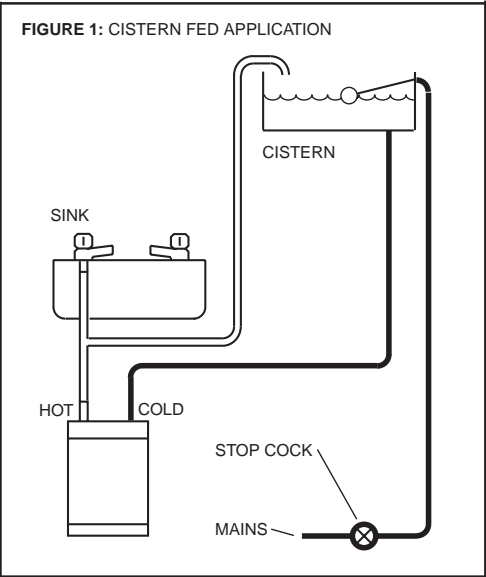
- 1. Inlet must always be on the right.
- 2. The outlet of this water heater acts as a vent and must not be blocked or restricted in any way.
- 3. Only Santon open outlet accessories must be used with this water heater. A full range is available, please consult your distributor or Santon for further information.

2. POSITIONING THE WATER HEATER

- 1. Select a suitable site but check that:
  - a) There is enough clearance above the heater to allow for pipe connections and removal of the element plate.
  - b) There are no hidden services where the wall is to be drilled.
- 2. Mark the position of the fixing holes (as shown in Figure 5).
- 3. Drill and plug the hole positions.
- 4. Screw in the lower two screws leaving heads 3mm from the wall.
- 5. Hang the heater on the two screws.
- 6. Screw in top screw to secure heater.

3. PLUMBING REQUIREMENTS

This water heater is designed for cistern-fed application in conjunction with a separate cistern and vent pipe (see Figure 1). Alternatively the heater can be connected directly to the water mains provided that a Santon ‘vented tap’ is used (see Figure 2). Both inlet and outlet pipes are clearly labelled. The pipes are 15mm copper tube and are suitable for compression fittings. It is recommended that a WRAS listed isolating valve (not supplied) be fitted in the water supply pipe to the heater to allow for servicing.



4. REMOVAL AND FITTING OF TERMINAL COVER

To remove the terminal cover use a large flat bladed screwdriver to relieve the snaps located towards the front, at either side, of the cover. Gripping the cover at the front, pull upwards. To fit the cover, locate the hinge at the back. Slide the snaps into place. Apply pressure to the front of the cover pushing back and down until it snaps securely in place.

5. ELECTRICAL REQUIREMENTS (REFER TO FIGURE 4 -- WIRING DIAGRAM)

- WARNING: THIS APPLIANCE MUST BE EARTHED.
  - CONNECT ONLY TO 230 / 240V AC SUPPLY.
  - NOMINAL CROSS SECTION OF SUPPLY CABLE MUST BE AT LEAST 1.5mm .
  - A DOUBLE POLE ISOLATING SWITCH WITH A CONTACT SEPARATION OF AT LEAST 3mm IN EACH POLE MUST BE INCORPORATED IN THE SUPPLY.
  - ELECTRICAL INSTALLATION MUST CONFORM TO THE CURRENT I.E.E. WIRING REGULATIONS.
- 1. Remove terminal cover.
  - 2. Strip the outer sheath and insulation on the cable to the required lengths, making sure the outer sheath of the cable will be held in the cable grip when the connections are made.
  - 3. Loosen the top screws securing the cable grip.
  - 4. Pass the cable underneath the cable grip and through the top moulding.
  - 5. Make the connections to the terminal block as follows:
    - Live (brown or red wire) to terminal marked “L”
    - Neutral (blue or black wire) to terminal marked “N”
    - Earth (green or green/yellow wire) to terminal marked
  - 6. Secure the cable in the cable grip by tightening the two screws.
  - 7. Set the adjustable thermostat by rotating the control to the required temperature. It is recommended that it is set to lowest acceptable temperature to meet user requirements. This will minimise the risk of scalding and reduce the level of scaling in hard water areas.
  - 8. Replace terminal cover.

6. OPERATION

DO NOT SWITCH ON HEATER UNTIL IT IS FILLED WITH WATER

- 1. Fill with water by opening tap and leaving open until a full bore of water flows from the outlet.
- 2. Switch on water heater at double pole isolating switch. The heater will heat water to the temperature set on the thermostat. The set temperature can be adjusted by rotating the shaft located on the Combined Thermostat and Thermal Cut-out. Access to adjust the temperature is gained by removing the terminal cover.
- 3. Check water is heating correctly.

7 litre 1.2kW	- after 10 mins water temperature will increase by 20°C
7 litre 3kW	- after 10 mins water temperature will increase by 60°C
10 litre 1.2kW	- after 10 mins water temperature will increase by 15°C
10 litre 3kW	- after 10 mins water temperature will increase by 40°C
- 4. Pass instruction leaflet to user and draw his attention to the following two statements:
  - a) DO NOT USE HEATER IF THE WATER IS THOUGHT TO BE FROZEN
  - Switch off immediately at the isolating switch if the water does not flow freely.
  - Any damage resulting from freezing will not be covered by the guarantee.**

b) DURING HEATING THE OUTLET WILL DRIP

This is due to the expansion of water inside the heater and is normal for heaters of this type. It does not indicate that the valve is faulty and overtightening of the valve can result in damage.

