

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	Switch off, check and replace.
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 has been restored and full checks for leaks made.
	2. No mains supply	Check mains.
Continuous water flow	Faulty valve / tap	Check and replace.

SPARE PARTS

The following spare parts are available for your Express water heater:

Element plate assembly 1.0kW	95 606 762
Element plate assembly 3.0kW	95 606 763
Element plate assembly gasket (pk of ten)	95 611 708
Over temperature cut-out	95 612 688
Capillary thermostat	95 612 667
Control valve	95 605 444
Spout adaptor	95 604 677
Spout (12") complete with adaptor	95 604 678
Spout telescopic complete with adaptor	95 604 679
Terminal cover	95 604 643

DIMENSIONS

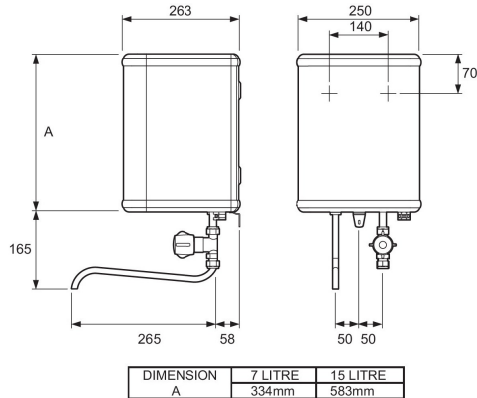


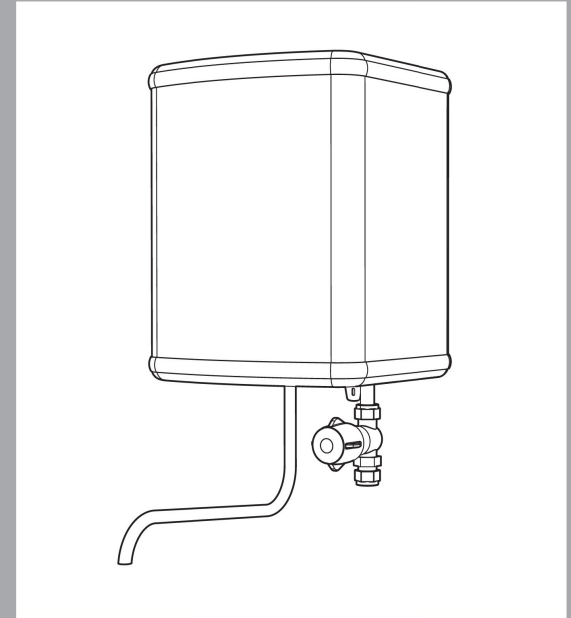
Fig.3

HEATRAE SADIA

The quality name in water heating

Heatrae Sadia Heating Limited
Hurricane Way Norwich NR6 5EA

A BAXI GROUP Company



EXPRESS 7/1, 7/3, 15/3

Fitting Instructions and User Guide

Please read and understand these instructions prior to installing your Express water heater. Particular attention should be paid to the section headed **IMPORTANT INSTALLATION POINTS**. Following installation and commissioning, the operation of the heater should be explained to the customer and these instructions left with them for future reference.

PACK CONTENTS

Heater, Spout, Valve, Fixing Screws and Rawlplugs, Fitting Instructions.

IMPORTANT INSTALLATION POINTS

- 1 The inlet must always be on the right.
- 2 In both undersink and oversink installations the inlet and outlet connections must remain beneath the heater.
- 3 The outlet of this water heater acts as a vent and must not be blocked or restricted in any way.
- 4 Use only Heatrae Sadia open outlet taps or spouts and valve.

POSITIONING THE WATER HEATER

- 1 Select a suitable site but check that:
 - a There is enough clearance under the heater to allow removal of the element plate (210mm).
 - b When using the outlet spout, it will swing over the sink (or sinks) to be supplied.
 - c There are no hidden services where the wall is to be drilled.
- 2 Mark the position of the fixing holes (as shown in Fig.3).
- 3 Drill and plug the hole positions.
- 4 Screw in the top two screws leaving heads 3mm from the wall.
- 5 Hang the heater on the two top screws.
- 6 Screw in bottom screw to secure the heater.

SPOUT AND VALVE

- 1 Connect the control valve supplied to the inlet pipe on the water heater.
- 2 Connect the cold water main to the control valve using 15mm outside diameter pipe (either copper to BS EN 1057 or stainless steel to BS 4127).
- 3 Push the outlet spout directly into the outlet fitting.

TO REMOVE OUTLET SPOUT

- 1 Push white ring upwards towards body of fitting.
- 2 Pull spout downwards.

PLUMBING REQUIREMENTS

- 1 The heater is designed to be connected directly to the mains via the valve provided or Heatrae Sadia open outlet taps.
- 2 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.

ELECTRICAL REQUIREMENTS

WARNING: This appliance must be earthed. It is suitable for a.c. supply only. Disconnect the electrical supply before removing the cover. Installation must be in accordance with the current local wiring regulations. A double pole isolating switch, with a contact separation of at least 3mm in both poles, should be incorporated in the electrical supply. The supply should be fused 13 Amp. The nominal cross sectional area of the supply cable must be 1.5mm² minimum.

- 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:
BROWN or RED to terminal marked "L"
BLUE or BLACK to terminal marked "N"
GREEN/YELLOW or GREEN 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.
- 8 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.
- 9 Replace terminal cover.

OPERATION

DO NOT SWITCH ON HEATER UNTIL IT IS FILLED WITH WATER

- 1 Fill with water by opening valve and leaving open until a full bore of water flows from the outlet.
- 2 Close valve and switch on water heater at double pole isolating switch. The heater will heat the water to the temperature set on the thermostat.
- 3 Check water is heating correctly.

7 litre 3.0kW	- after 10 mins water temperature will increase by 60°C
7 litre 1.0kW	- after 10 mins water temperature will increase by 20°C
15 litre 3.0kW	- after 10 mins water temperature will increase by 28°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 SPOUT/TAP 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.

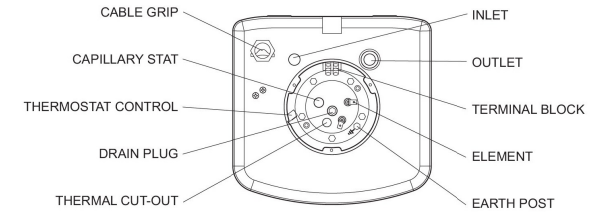


Fig. 1 - Internal Layout.

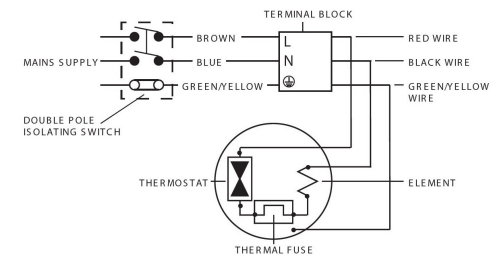


Fig. 2 Wiring Diagram.