

SANTON

PremierHeat

Electric Boiler

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The PremierHeat electric boiler is designed to deliver wet central heating as efficiently as possible and offers similar levels of control to standard gas powered systems. As well as being compatible with conventional radiators, it is suitable for both open vented and pressurised systems.

Delivering high levels of comfort to the homeowner, it is the ideal solution where no gas supply is available or where fluing restrictions exist.

With a comprehensive two year parts and labour guarantee, including on-site service support, to ensure total peace-of-mind.

Performance

Where electric is the only option, or fluing restrictions prevent the use of a gas boiler, the PremierHeat, with its many features, provides an efficient alternative benefitting developers and builders, installers and ultimately the end user.

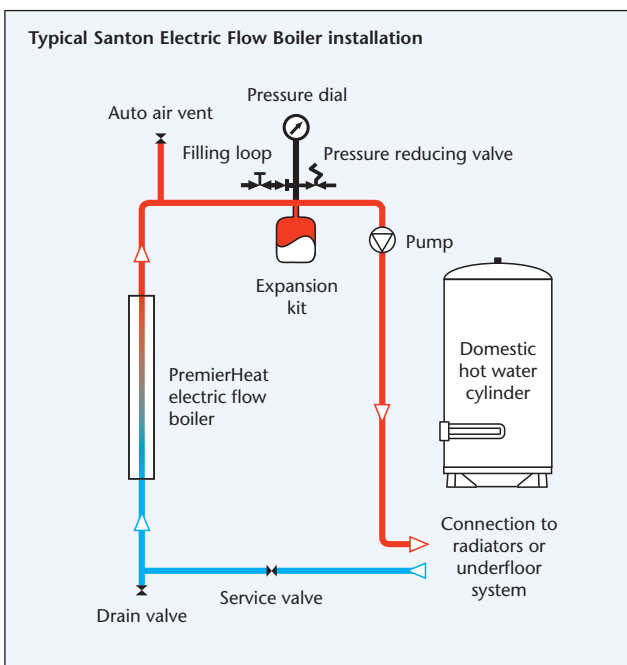
- Controllable, efficient wet central heating.
- Works with standard radiators, programmer, pump, room thermostat and thermostatic radiator valves (not supplied).
- For use with pressurised or open vented systems.
- Domestic hot water from boiler when used with an indirect cylinder or separate direct cylinder.
- With no flue to waste precious heat the PremierHeat electric flow boiler is 99.8% efficient.
- Lightweight and compact, for an unobtrusive installation.
- Silent in operation.
- The boiler has front panel indication to show boiler state.
- Solid state technology with no moving parts for long life.
- Soft start and zero volt switching to avoid power surges.
- Min / max control adjusts the water temperature output from the boiler.
- Minimal service and maintenance costs.
- No requirement for annual safety certificate.
- Two year on-site parts and labour guarantee.



PremierHeat

Central heating and hot water systems

Santon PremierHeat is suitable for use with a wide range of heating and domestic hot water systems, either vented or unvented. The system layout below is shown for illustrative purposes only.



Boiler sizing

The sizing of the boiler is dependent on a number of factors such as size of property, insulation properties of the building, and whether the boiler will be required to heat the domestic hot water cylinder.

Please consult with your installer / heating engineer for sizing, or contact our Specification Advice Team on tel: 01603 420128, by fax: 01603 420229, or by email: specifier@santon.co.uk

Running costs

There are a number of off-peak electricity tariffs now available which provide a lower cost for electricity used for heating and hot water.

The two most common tariffs are Economy 7 and Economy 10.

Economy 7

Two rate meter installed in property. Units used at night* (during off-peak time) charged at lower rate than those used during the day.

*"Night" means the 7 hours that the local distribution company in your area chooses between 10 pm and 10 am. "Day" means at all other times.

Economy 10†

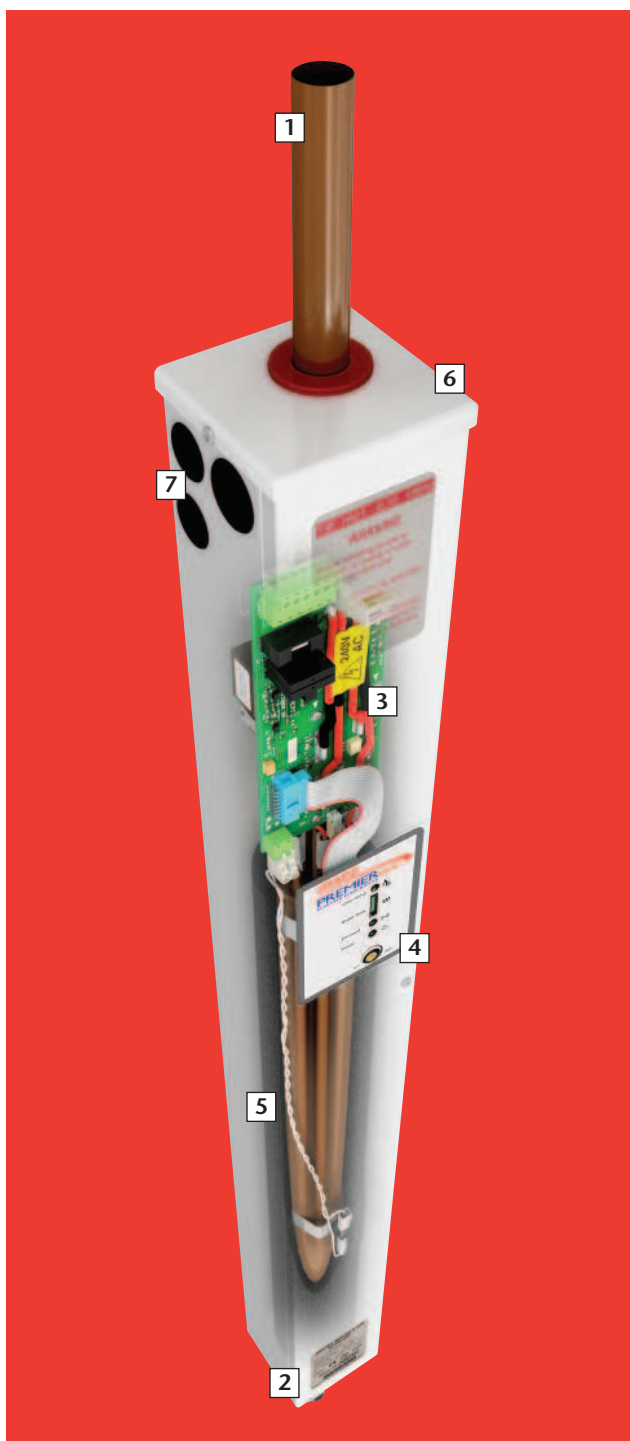
Only one meter installed in each property. All electricity used at off-peak times charged at the lower rate (such as washing machines, dishwashers etc).

Off-peak times generally set for:
Midnight to 5.00 am – 5 hours.
1.00 pm to 4.00 pm – 3 hours.
8.00 pm to 10.00 pm – 2 hours.

†Not available in all areas, and details may vary by area. Call 0800 117116 for information on latest availability and tariffs.

PremierHeat

Components

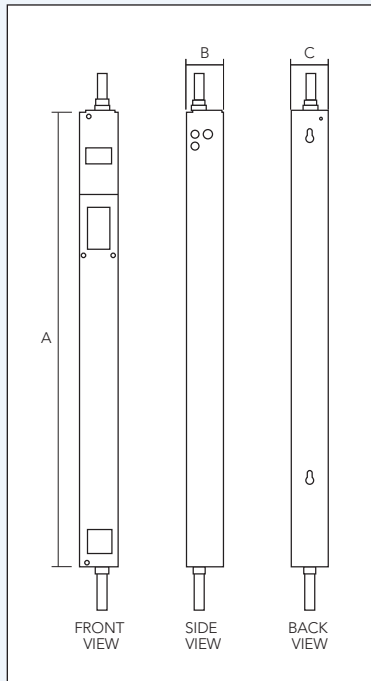


- 1 22mm copper connection (flow).
- 2 22mm copper connection (return).
- 3 Solid state electronics.
- 4 Control panel.
- 5 Long life elements.
- 6 Compact, painted steel outercase.
- 7 Entry ports for power and control.

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Technical Specification



Dimensions			
Model	A (mm)	B (mm)	C (mm)
All models	1050	90	90

Specification

Ratings

4kW @ 240V, (3.7kW @ 230V).
6kW @ 240V, (5.5kW @ 230V).
9kW @ 240V, (8.3kW @ 230V).
11kW @ 240V, (10.1kW @ 230V).
12kW @ 240V, (11kW @ 230V).

Element

Long life, low watt density, copper elements in a copper heat exchanger.

Outer casing

White stove-enamelled corrosion resistant steel.

Insulation

Armaflex – Closed cell insulation. Dust, fibre and CFC free (ODP ZERO).

Water Container

Copper.

Thermostat

Electronic dual control, user adjustable. Radiator model from 65°C to 80°C.

Safety features

2 amp fused pump supply, dual control circuits, dual switching of the elements, self-check circuitry. Resettable cut-outs.

Approvals

CE Marked. Manufactured in the UK in a BS EN ISO 9001:2008 registered factory.

Performance and Ordering Guide

Model	Product code	Rating @240V (kW)	Temperature (°C)	Weight range (kg)	Boiler output (Btu/h)	Power supply to boiler (amps)	Recommended MCB (amps)
PH4kW	94:022:011	4	65-80	7.5	13600	17	20
PH6kW	94:022:012	6	65-80	7.5	20500	25	32
PH9kW	94:022:013	9	65-80	8.5	30700	38	50
PH11kW	94:022:014	11	65-80	8.5	38000	45	63
PH12kW	94:022:015	12	65-80	8.5	41000	50	63
Relay RL1	94:970:056						
Relay RL2	94:970:057						
Relay RL3	94:970:058						

Installation

Fixing

Wall-mounted by two keyholes. Must be mounted vertically.

Plumbing

22mm pipework connections on all models.

Flow Rates

6 litres/minute minimum required for 4 and 6kW models. 12 litres/minute minimum required for 9, 11 and 12kW models.

Operating Pressure

3 bar maximum.

Heating Systems

Sealed or open vented systems.

Electrical

The unit must be permanently connected to the electrical supply through a double-pole linked switch with minimum breaking capacity suitable for loading. All electrical work must comply with the latest BS 7671 (IEE Wiring Regulations).

Controls

The PremierHeat electric flow boiler is designed to work with a standard programmer which will control the time periods that the boiler comes into operation.

The unit is also suitable for use with standard thermostatic radiator valves, circulating pump and room thermostats which bring the boiler into operation when there is a call for heat.

Relay accessories are available for multiple boiler applications, and/or load sharing – for example when installed in conjunction with an electric shower, to prevent supply overload.

Guarantee

Two year product guarantee with on-site service support from date of purchase provided that:

- It has been correctly installed as per the instructions contained in the instruction manual and all relevant Codes of Practice and Regulations in force at the time of installation.
- It has been installed in the UK.
- It has not been modified in any way, other than by Santon.
- It has not been frost damaged.
- It has not been tampered with or been subjected to misuse or neglect.
- Within 60 days of installation the user completes and returns the certificate supplied along with the proof of purchase to register the product.

Evidence of purchase and date of supply must be submitted. These guarantees do not affect your statutory rights.



heateam

heateam is Santon's very own service division. With us on your side, you can be sure that your customers are in the very best hands. Totally committed to quality and safety, heateam is open 7 days a week, for 363 days a year, and offers:

- **Dedicated Trade Advice Line** – our helpful and qualified specialists are always on hand to help you with even the most complex technical query.
- **Installer Priority Call-Outs** – our 280 strong team of specifically trained expert heating engineers covers the UK, no one is better qualified to look after Santon's products for the duration of the guarantee.
- **Fully Stocked Vans** – a nationwide fleet of vans, fully stocked with spare parts – meaning we can repair our appliances on the first visit in 95% of call-outs.
- **Exclusive Service Plans** – heateam also offer Santon's customers a range of exclusive annual service plans.

Opening Times: Monday-Friday 8am-6pm, weekends and Bank Holidays* 8.30am-2pm.

*excluding Christmas Day and New Year's Day.

Simply call **0844 8711535** or visit our website at www.heateam.co.uk



SANTON

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Specification Advice Hotline

Tel: 01603 420128 Fax: 01603 420229

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After Sales Service

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E-mail: santonservice@heateam.co.uk

Website

www.santon.co.uk

The pace of product development is such that we reserve the right to change product specifications without notice. We do, however, strive to ensure that all information in this catalogue is accurate at the time of going to publication.

Products

Unvented Water Heating

PremierPlus | Aquaheat | Aquaheat SS | Aqualine

Solar Unvented Water Heating

PremierPlus Solar

Vented Water Heating

Aquarius | Taps

Drinking Water

Speediboil

Hand Hygiene

EV 2008 | Aqua-dri

Instantaneous Water Heating

PowerPack

Combination Storage

R Unit

Immersions

Industrial