

# An Introduction to Baxi Group

Providing complete heating and hot  
water system solutions

Every day, millions of people in the UK, Europe and elsewhere in the world enjoy the benefits of **Baxi Group** heating and hot water technologies.

# Contents

Baxi Group	04
Andrews Water Heaters	06
Baxi	08
Heatrae Sadia	10
Potterton	12
Potterton Commercial	14
Santon	16
Valor Fires	18

Every day, millions of people in the UK, Europe and elsewhere in the world **enjoy the benefits of Baxi Group heating and hot water technologies.**

The original company was founded over 150 years ago by Richard Baxendale in Preston, where it is still a major employer in the area, with state-of-the-art manufacturing facilities. Today Baxi Group includes a portfolio of some of the best known and most respected brands in the heating industry: **Baxi; Potterton; Main; Heatrae Sadia; Valor; Andrews Water Heaters; Santon; Potterton Commercial.**

Always at the forefront of technological development and innovation, Baxi Group has invested heavily in research and development to produce smarter, more energy efficient heating systems. This includes a comprehensive range of boilers and a market-leading portfolio of low carbon products, including solar, heat pumps, biomass and micro-CHP.

Our mission is to deliver best value through reliable, energy efficient products and high quality service and technical support while promoting environmental, social and economic sustainability. In doing so, we can help our partners to achieve the requirements of the Code for Sustainable Homes and assist in meeting the Government's targets for reducing carbon dioxide emissions.

We pride ourselves on being a responsible business. This commitment is reflected in all our business operations and in the Company's relationships with stakeholders - whether they are employees, customers, suppliers, other partners or one of the communities in which we operate.

Baxi Group offers expertise across all the different sectors we supply – commercial, social housing, newbuild, merchant and contractor – and our specialist teams work with our partners to agree clear objectives for each project. We also work hard to develop sustainable and visible supply chains and ensure responsible sourcing and production of our products to a high standard of product safety.

Baxi Group products are supported by **heateam**. With a nationwide network of over 200 field service engineers and a team of highly trained call centre staff, **heateam** offers technical support and expert advice.

**interpart**, Baxi Group's parts division, is one of the largest parts distribution businesses of its kind in the UK. It supplies the spares, accessories and consumables for a wide range of brands and meets the expectations of its consumers through a firm commitment to quality.

**NewDesign** is a bespoke design service from the Baxi Group. The NewDesign team provides a complete design service for residential developments that incorporate Baxi Group products. Designs for heating and water service systems are fully indemnified and tailored to suit individual development needs.

Following are just a few examples to demonstrate Baxi Group heating and hot water system solutions to suit a wide variety of installation requirements, and the CSH Levels achieved.

	MAINS GAS	OFF GAS		
	Gas Boiler	Biomass Boiler	Ground Source Heat Pump	LPG Boiler
Domestic Heating	Potterton Promax System 12 HE Plus A	Baxi Multi-Heat 1.5	Baxi Geoflo 6kW System	Potterton Promax System 24 HE Plus LPG
Domestic Water Heating	Baxi Solarflo evacuated tube solar collector system (20 tube), Heatrae Sadia Megatech 190i indirect twin coil main unvented solar DHW store	Santon Premier Plus 150B indirect mains unvented DHW store	Baxi Solarflo 1 panel solar collector system, Heatrae Sadia Megatech 190i indirect twin coil main unvented solar DHW store	Potterton Solar 1 panel solar collector system, Santon Premier Solar 190B indirect twin coil main unvented solar DHW store
Supplementary Heating	Fan flue gas fire, no chimney	Log burning stove	Electric fire	Electric fire
TER	22.71	22.71	32.19	24.73
DER	16.84	6.25	15.33	18.48
% Improvement Achieved	25.85	72.48	52.38	25.27
Code Level Achieved	3	4	4	3
Comments	Minor fabric insulation improvements over Building Regulations Part L1a values applied		Minor fabric insulation improvements over Building Regulations Part L1a values applied. Underfloor heating or other low temperature heat emission system required	Fabric insulation improvements over Building Regulations Part L1a values applied

CSH levels are indicative based on energy and carbon emission criteria only, using the applied selection of technologies from Baxi Group for a 75m<sup>2</sup> 3 bed semi detached property with typical new build insulation values. Exact results will vary dependent on a number of factors, such as size of property, fabric thermal efficiency, ventilation details etc.



Since its inception in 1976, Andrews Water Heaters has established itself as the **UK market leader in high efficiency direct gas-fired commercial water heating.**

Offering the largest choice in both storage and non storage models, including 23 in the condensing sector, Andrews provides solutions for a wide variety of commercial and industrial applications. As well as delivering high efficiency and minimising running costs, they afford protection against the colonisation of legionella bacteria within water heaters.



The ground-breaking character of these products is exemplified by the **MAXflo** high performance condensing storage water heater, winner of a Queen's Award for Enterprise 2007 in the Innovation Category. Its distinctive stainless steel cylinder design, highly efficient stainless steel heat exchanger and multi-premix modulating burner/s enable high performance, efficiencies of up to 109% (net) and low NOx emissions of 25ppm.

Andrews Water Heaters is also in the vanguard of renewable technology based solutions with **SOLARflo**, which provides indirect solar hot water heating for multiple residential complexes and commercial applications in a complete ready-to-install package. This can be installed with a primary heating appliance such as the MAXxflo, or the Paramount two boiler available from Potterton Commercial.



The **ECOflo** High Efficiency Condensing Storage Water Heater is available in eight models and two storage capacities - 230/380 litres, with outputs ranging from 35kW to 111kW. A thermal efficiency rate of up to 98% gross puts the ECOflo at the top of its class and leads to greater economy.



**Supa-Flo** water heaters are a range of gas fired high efficiency water heaters capable of supplying large volumes of hot water for a variety of commercial and industrial applications, with outputs ranging from 57 to 1,002kW.





Baxi is a leading manufacturer of heating and hot water solutions. With over 150 years of experience, Baxi is one of Britain's most recognised brand names and has become synonymous with **design, innovation, quality and responsiveness.**

Baxi has an extensive range of high efficiency boilers that are user friendly and help to reduce both energy bills and carbon emissions. Our boilers are among the most efficient available, designed to be easy to install, reliable and economical.



We have also invested greatly in the next generation of heating technology, and offer the largest range of low and zero carbon technology products available on the market. Our product range includes **Solarflo** solar thermal hot water systems, **Geoflo** ground source heat pump technology, **Biomass** solid fuel heating, and **CHP** (combined heat and power systems).



Baxi Duo-tec Combi 28 HE is CORGI Boiler of the Year 2008



Baxi is committed to aftersales and support. With a dedicated call centre and a network of 200 engineers in our **heateam** service division, expert servicing and maintenance advice is always on hand.



## HEATRAE SADIA

Heatrae Sadia offers a range of products designed for domestic hot water and electric heating applications.



The **Heatrae Sadia Megaflo HE** is the market leading domestic unvented hot water cylinder, delivering mains pressure hot water to all outlets in the home as well as offering high levels of energy efficiency and low heat loss. Its patented floating baffle expansion system eliminates the need for the installation of an external expansion vessel.

The Megaflo is also available in a pre-plumbed **Systemfit** version, which includes factory-fitted and tested central heating controls. The **Megatech solar** cylinders have a specially designed solar coil to maximize solar efficiency. All these products have a high grade Duplex stainless steel inner container and are backed by a 25 year on-site inner container warranty.

The **Heatrae Sadia Amptec** electric boiler range provides wet central heating with the comfort and controllability of a gas central heating boiler for applications where gas is not available, or the installation of a gas boiler is not practical. Amptec is available for use with standard radiator or underfloor heating systems. To complete the electric heating offering, Heatrae Sadia also offers the Aerheat range of electric panel heaters.



The **Heatrae Sadia Electromax** is a one-box solution for electric wet central heating and domestic hot water, combining both an Amptec electric boiler and a domestic unvented hot water cylinder in one product. With central heating controls such as the circulating pump factory fitted inside the unit, the Electromax also reduces installation time.



Over the past 150 years, the Potterton name has become synonymous with **top quality, high specification products.**

With well over 5 million boilers produced to date, we're consistently leading the way in the most advanced range of energy efficient, user and environmentally friendly products on the market. Through a firm focus on reliability and service, coupled with a massive investment in new product development, we are perfectly placed to be the first to meet the new challenges in high efficiency heating.



The **Potterton Promax** and **Performa** ranges consist of high efficiency Combi, System and Heat Only boilers, offering a wide range of outputs to suit almost every installation requirement.

Potterton offers one of the biggest ranges of boilers to exceed the minimum 90% efficiency required by Building Regulations Part L for SEDBUK Band A categorisation. In fact, Potterton's Promax 15 SL and Promax 15/2 HE Plus are the two highest SEDBUK rated heat only boilers in the UK at 91.3% efficiency.

Furthermore, Potterton's commitment to continual development recently delivered increased SEDBUK efficiencies for the Potterton Promax Combi HE A (91.1%) and Potterton Promax System HE Plus A (91.2%).

Specially designed for off mains gas areas, Potterton's Promax Combi 24 HE Plus LPG and Promax System 24 HE Plus LPG boilers were introduced in June 2008 to further strengthen our high efficiency product offering, and are SEDBUK Band A rated with an efficiency of 93.2%.

The **Potterton Gold Combi HE A** range also proves a popular choice, offering a 3 year parts and labour product warranty. The Potterton Gold Combi HE 24kW was voted a 'Best Buy' by Which? in 2006 and again in 2007, receiving five star ratings for its high efficiency, low NOx emissions, convenient features and ease of use.



**Potterton Solar** offers a complete solar water heating system which is easy for installers to fit thanks to careful design supported by product training. Backed by our 10 year guarantee as well as Solar Key Mark Approval, our easy-to-fit range of packaged in-roof and on-roof solutions is designed to be the reliable choice customers can trust to deliver the long-term savings that renewable energy makes possible.

Potterton Commercial, with a pedigree that can be traced back to 1850 and **one of the most prestigious names in the heating industry**, manufactures a wide range of commercial boilers to meet Part L2 boiler operating efficiency legislation.

Highly regarded by specifiers, the portfolio includes the largest choice of wall hung and floor standing condensing commercial boilers to meet the demand for higher efficiency and environmentally sensitive projects and installations.



The most recent addition to the Potterton Commercial product range is the **Sirius MB**, an innovative and flexible stainless steel modular condensing prefabricated solution. High efficiency **Sirius WH** condensing boilers, pumps, a pressurisation system and heating controls, provide a complete commercial heating package for 'plug and play' installation.

Supplied in individual modules, allowing the system to be connected in a variety of linear and corner configurations, the MB Series revolutionary design minimises the site space required for installation and is adaptable to a range of boiler rooms. Potterton Commercial also have a comprehensive range of cast iron sectional high efficiency boilers, with fully matched gas and oil burners.

Potterton Commercial has also developed the **GaeaTherm ground source heat pump** which, as an integral part of a suitably designed system, can help reduce the carbon footprint of many commercial buildings. With an output of around 21kW the ground source heat pump will have a coefficient of 4.7, one of the highest currently available in the UK. Particular attention to low noise has been applied to the design of the heat pump, with a level at around 33 dBA at 1 metre. The controls of the heat pump are compatible with Potterton Commercial's range of high efficiency condensing boilers, to enable plant room solutions with different heat sources to be offered.

Potterton Commercial operates a full after sales service covering the whole of the UK and unique nationwide boiler erection, assembly and commissioning services, supported by a lifetime guarantee on all mainstream products.



# SANTON

Santon has been a leading name in water heating for over seventy years with a comprehensive product portfolio. Its reputation is built on manufacturing top quality, highly reliable products, designed to meet the most demanding customer needs.

The Santon Premier Plus range of domestic unvented hot water cylinders can deliver mains pressure hot water to all outlets throughout the home.



Manufactured from Duplex stainless steel, the **Premier Plus** inner container is backed by a 25 year on-site guarantee. With 50mm of polyurethane insulation, heat loss levels are kept to a minimum to maximise energy efficiency.

A pre-plumbed **Systemfit** option is also available which includes central heating controls factory fitted and tested to ensure consistent installation finish and standards.



The **Premier Plus Solar** cylinders offer all the benefits of a standard Premier Plus cylinder, but with the addition of a specially designed solar coil for use with solar thermal systems.



Valor is the UK's most established and recognised brand of fires, offering a huge choice of products that are recognised for their longevity and functionality. Dedicated to the development of products that minimise their impact on the environment, the range includes high efficiency, low energy and carbon neutral solutions.



Valor provides a range of high efficiency gas fires, electric fires, carbon-neutral wood burning stoves and suites and fireplace associated products to match all needs. At 89% efficiency, the **Valor Homeflame Harmony** was voted the Best Fire 2007 at the Corgi Awards.

89%  
EFFICIENT



## DIMENSION

2007 also saw the launch of **Valor Dimension** fires which offer an unrivalled degree of realism, with all the warmth, comfort and visual appeal of a real fire and all the benefits of electric.



We fully support the decent homes philosophy with products that make it easy for installers and specifiers to meet the required standards, and we can tailor solutions to most situations. Our facilities enable us to offer product training to meet your needs, furthermore our in-house marketing team is able to react immediately to support tenants' choice schemes and can offer promotional materials where required.

All backed by the quality, reliability and peace of mind you would expect from the leading name in home heating.

