

Bosch Commercial and Industrial Heating

Solutions for hotel facilities



BOSCH

Invented for life



Cutting-edge heating and hot water solutions from a global provider



When you choose Bosch as a supplier for your hotel's heating and hot water solution, you can be assured of cutting-edge technologies from a global provider. True to our company slogan "Invented for life," our products and solutions are designed with our customers in mind. As a leading global supplier of heating and hot water technology and services, Bosch understands that hotel professionals need to be able to rely on their industry partners for technical expertise and innovative thinking at all times.

The Bosch Group at a glance

The Bosch Group is a leading global supplier of technologies and services, active in the fields of automotive technology, industrial technology, consumer goods, and energy and building technology. The Bosch Group has more than 306,000 associates who generate sales of over £45 billion a year. The Bosch Group comprises of Robert Bosch GmbH and has more than 350 subsidiaries and regional companies in some 60 countries. When sales and service partners are included, Bosch is represented in 150 countries worldwide. Our global development, manufacturing, and sales network is the foundation for further growth. Bosch spends around £3.5 billion on research and development each year, and applying for thousands of patents worldwide. The Bosch Group's products and services are designed to be both innovative and beneficial, offering technology worldwide that is "Invented for life".

The company was set up in Stuttgart in 1886 by Robert Bosch (1861-1942) as "Workshop for Precision Mechanics and Electrical Engineering". The special



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ownership structure of Robert Bosch GmbH guarantees the entrepreneurial freedom of the Bosch Group, making it possible for the company to plan over the long term and to undertake significant up-front investments in the safeguarding of its future. Ninety-two percent of the share capital of Robert Bosch GmbH is held by Robert Bosch Stiftung GmbH, a charitable foundation, while the majority of voting rights are held by Robert Bosch Industrietreuhand KG, an industrial trust. The entrepreneurial ownership functions are carried out by the trust, while the remaining shares are held by the Bosch family and by Robert Bosch GmbH.

The Bosch Group: leading global supplier of technology and solutions

Bosch offers a comprehensive range of heating and hot water solutions for the hotel industry across the world. Whether the project requires energy-efficient heating and hot water systems, innovative and intuitive CCTV systems, or the hard-wearing power tools needed to complete a professional installation, Bosch has a choice of products that are commonplace across hotel projects.

Bosch products and solutions

Bosch offers a wide range of products and solutions to effectively manage hotel operations.

- ▶ A range of heating solutions can be provided across all hotel facilities, in addition to hot water for showers, pools and kitchens
- ▶ Energy consumption can be monitored effectively, helping to reduce energy costs
- ▶ All safety, security, and communications solutions can be integrated in one facility management system
- ▶ All areas and activities can be efficiently monitored, allowing emergencies, fires, and threats to be detected immediately.

Designed and built for any projects: our custom solutions for hotels provide precisely the heating energy and hot water you need for your facilities – whilst remaining energy-efficient and eco-friendly.



Heating and hot water systems

Your perfect partner for energy-efficient solutions

The planning and provision of heating and hot water solutions for hotels presents certain challenges, however Bosch Commercial and Industrial Heating can offer the complete system solution.

All our projects are planned from start to finish using an integrated, systematic approach, in order to guarantee that the heating and hot water systems will be as energy-efficient as possible. Thanks to our comprehensive product portfolio, we can find the optimum solution to meet the precise requirements of any hotel. With an extensive history and decades of experience in the hotel market, place your trust in custom solutions from Europe's market leader in heating and hot water systems.

We offer a broad portfolio that covers almost all heating requirements:

- ▶ Gas- or oil-fired boilers with individual outputs from 65kW to 38,000kW and standard efficiencies of up to 109%
- ▶ Compact condensing multi-boiler cascade systems of wall-mounted boilers (400kW in just 1m²)
- ▶ Combined heat and power (CHP) modules with output ranging from 19kWe to 240kWe
- ▶ All products are compatible with a complete range of intelligent controls and accessories.

Large-scale efficiency: heating systems

- Reliable heat supply and hot water provision for hotel requirements
- Tailored, flexible solutions for highly efficient and eco-friendly boiler operation
- Our controls are designed to maximise the heating system's efficiency, while allowing the facilities manager to gain quick and easy access to all functions of the boiler and the heating system
- Simple planning, installation and commissioning of the entire system thanks to modular components.

Low carbon solutions for commercial heating and hot water: solar thermal systems and heat pumps

- Complete high-performance solar thermal systems for efficient hot water supply with plug and flow modules
- Energy-efficient use of air or geothermal heat with a customised heat pump solution
- Individually configurable large-scale systems, custom-built to meet your specific needs (e.g. drinking water, pools, supporting your heating system)
- Professional energy management system ensures maximum operational reliability.

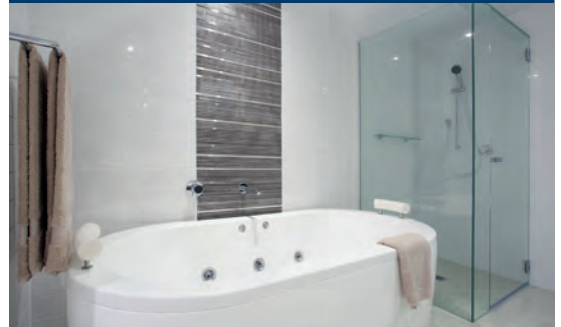
The perfect partnership for your hotel: cutting-edge heating technology with solar thermal support

Since harnessing free energy from renewable sources reduces energy costs and CO₂ emissions. The combination of conventional heating systems with renewable technology offers enormous advantages for modern hotels. For all conventional heating, solar thermal, and heat pump requirements, Bosch provides a complete range of products and solutions. These innovative Bosch technologies can be perfectly integrated – for maximum efficiency and savings.

Hot water solutions



Heating/renewable solutions



Integrated solutions



Competence in every phase –

rest assured you can depend on it

From small to large-scale projects, the all-important factor is integration of the entire heating system. We provide professional support in every phase of your hotel project – from consultancy to comprehensive services that guarantee the efficient and safe operation of the system. You can be reassured that Bosch Commercial and Industrial Heating keeps the promises it makes.

Bosch Commercial and Industrial Heating range

With an extensive product range of energy-efficient cast iron boilers, stainless steel boilers, the latest aluminium condensing boilers and an extensive renewable range, we can provide the complete heating and hot water solution. For more information please call 0330 123 3004 or visit www.bosch-thermotechnology.co.uk

Condensing wall hung boilers



► GB162 (65-100kW)

The GB162 is a stylish and remarkably compact condensing gas boiler. Up to 110% efficiency, quiet and easy to install and maintain.

► GB162 Cascades (up to 800kW)

Boilers can be installed in an innovative in-line or back-to-back cascade system of up to 8 boilers, with just 4 boilers back-to-back giving a 400kW output in just 1m².

Instantaneous water heater



► CWi47 (50kW)

With an output of 50kW, the CWi47 instantaneous water heater is ideal for use in high-end residential, and both small and large commercial applications.

► CWi47 (up to 600kW)

Up to 12 appliances can be cascaded in parallel, offering a continuous flow rate of up to 250 lts/min.

Combined heat and power



(19kW_e - 400kW_e)

- ▶ CE19
- ▶ CE50
- ▶ CE70
- ▶ CE140
- ▶ CE240

Combined heat and power (CHP) offers a more efficient way of generating heat and electrical power compared to conventional methods.

Floor standing boilers

Steel with stainless or galvanised steel secondary heat exchanger



- ▶ **UNIMAT UT-M and UT-L with ECO6/7**
(650 - 19,200kW)

A versatile multi-fuel boiler for larger industrial applications. Has an internal/external stainless steel or galvanised steel condensing heat exchanger.

- ▶ **UNIMAT UT-M LN and UT-L LN with ECO6/7**
(500 - 17,500kW)

Special "Low NO_x" variant of the UNIMAT UT-M and UT-L specified with larger combustion chamber for reduced emissions.

High efficiency steel



- ▶ **UNIMAT UT-M and UT-L**
(650 - 19,200kW)

Powerful multi-fuel steel boilers for industrial and high-demand usage.

- ▶ **UNIMAT UT-M LN and UT-L LN**
(500 - 17,500kW)

Special "Low NO_x" variant of the UNIMAT UT-M and UT-L specified with larger combustion chamber for reduced emissions.

Floor standing boilers

Condensing pre-mix aluminium



- ▶ **GB312 (90 - 280kW)**
A compact floor standing, condensing gas boiler, the GB312 is suitable for room-sealed or open flue systems and is fitted with a cast aluminium heat exchanger.
- ▶ **GB312 Cascades (180 - 560kW)**
Available as a two boiler cascade where higher outputs are required.
- ▶ **GB402 (320 - 620kW)**
A floor standing, condensing gas boiler, the GB402 is fitted with a cast aluminium heat exchanger and thermally-insulated boiler body.
- ▶ **GB402 Cascades (640 - 1,240kW)**
Can be used as a multiple boiler cascade where higher outputs are required.

Condensing stainless steel



- ▶ **SB325 (50 - 115kW)**
- ▶ **SB625 (145 - 640kW)**
- ▶ **SB745 (790 - 1,200kW)**

Compact, easy to install, high performance gas condensing boilers with precision-engineered condensing heat exchangers made of high-quality stainless steel.

High efficiency cast iron

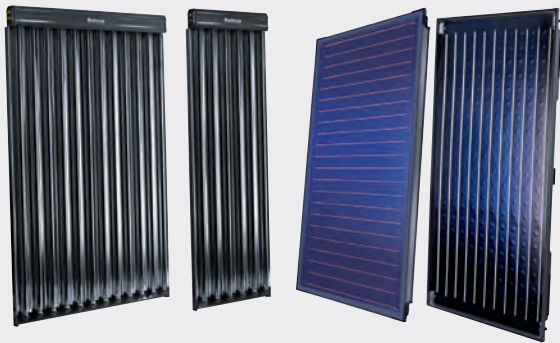


- ▶ **G215 (68 - 83kW)**
- ▶ **GE315 (86 - 230kW)**
- ▶ **GE515 (201 - 510kW)**
- ▶ **GE615 (511 - 1,200kW)**

The GE range is particularly well suited for replacement boiler installations or where access to the boiler room is restricted. They offer high efficiency and allow very simple, cost-effective hydraulic system design.

Renewable technology

Solar thermal



- ▶ **SKR6 and SKR12**
The SKR6 and SKR12 are the most efficient CPC collectors in the market that enable sizing flexibility and offer an optimum investment in hot water comfort per square metre.
- ▶ **SKS 4.0 and SKN (Lifestyle)**
Flat plate collectors using high specification solar technology to maximise the amount of heat captured from the sun, and ensure optimum energy yields.

Gas absorption heat pump



- ▶ **GHP AWO 38 (38.3kW)**
The GWPL 38 is a low carbon solution for the delivery of highly efficient, renewable heating for commercial, industrial and residential applications.
- ▶ **GHP AWO 38 Cascade System (76.6 - 205.5kW)**
For higher heat demands, the GWPL 38 can be supplied in a factory-assembled rig-mounted multi heat pump cascade of up to 205.5kW, and larger cascade systems are available if required.

Floor standing boilers

High efficiency steam boilers



- ▶ **UNIVERSAL U-ND (175 - 3,200kg/hr)**
- ▶ **UNIVERSAL U-HD (175 - 1,250kg/hr)**
- ▶ **UNIVERSAL U-MB (200 - 2,000kg/hr)**
- ▶ **UNIVERSAL ULS (1,250kg/hr)**
- ▶ **UNIVERSAL UL-SX (2,600 - 28,000kg/hr)**
- ▶ **UNIVERSAL ZFR (18,000 - 55,000kg/hr)**
- ▶ **UNIVERSAL ZFR-X (18,000 - 55,000kg/hr)**

The high efficiency shell boilers of the proven and reliable UNIVERSAL series over the full spectrum of steam capacities from 175 to 55,000kg/hr.

A high performance boiler with a first class service to match

With Bosch Commercial and Industrial Heating and our first class service, you are always on the safe side.

Always there for you

Our customer service is there for you and because of our close-knit service support network, we can ensure the quickest possible reaction times. Along with maintenance services, fault finding and repairs, we also offer support with the regular inspection of your system. Bosch after-sales support also allows us to analyse your system and upgrade it if required.

Customer service

Bosch Commercial and Industrial Heating directly employ service and commissioning engineers to provide exceptional support throughout the UK.

Email: commercial.enquiry@uk.bosch.com
or telephone 0330 123 3004

Opening times

Monday - Friday: 7.00am - 8.00pm

Saturday: 8.00am - 5.00pm

Sunday: 9.00am - 12 noon

Reliable supply of spare parts

Genuine spare parts for all supported Bosch appliances are readily available either from stock on a next day delivery basis or delivered direct from Germany.

Email: spares.mailbox@uk.bosch.com
or telephone 0330 123 0166.





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93/2339

8-716-116-751 Issue A 10/13

Bosch Thermotechnology Ltd. has a policy of continuous research and development and this may necessitate alterations to this specification from time to time. Therefore before preparing for the installation of the appliance it is important that the instructions issued with the unit are carefully read and adhered to. The statutory rights of the customer are not affected. Photographs shown are used for illustrative purpose only. All information is correct at time of going to press. Bosch Thermotechnology Ltd. reserves the right to alter any information where necessary. E&OE.