

# Boiler



## SOLUTIONS



● HEATING ● STORING ● MOVING ● CONTROLLING WATER ●

## SHR



### Outputs from 21kW to 54kW (single module)

A range of modular wall hung high efficiency condensing boilers, suitable for use where space is at a premium or flueing is difficult.

It operates at 98% efficiency (gross CV at 80/60°C) and emission levels stand at 12ppm for NOx, 11 ppm for CO and CO<sup>2</sup> at 9%. Its unique intelligence system collects data from external and internal sensors so the boiler operates at optimum efficiency levels.

#### Features:

- Fully modulating pre-mix burner
- Stainless steel heat exchanger with five year warranty
- Room sealed balanced flue system
- Choice of outputs for modular and single installation with sequence controls
- Built-in modulating pump linked to modulating burner.
- Multiple flue options up to 25m horizontal and vertical.
- 80mm intake and exhaust connections
- Simple installation with options for combi or calorifier hot water modules
- Additional controls for compensation, zone control or cascade systems

## ACER

**NEW PRODUCT FOR 2004**



### Outputs from 60kW to 180kW (single module)

The Acer range of wall mounted condensing, pre-mix, programmable modulating boilers are suitable for all commercial applications and are designed to reduce long term running costs for the user. A Class 5 low NOx product, it can be integrated with most control systems including new open therm technology. Available for natural gas and LPG.

#### Features:

- 109.5% efficiency
- Fully modulating & condensing
- Pre mix combustion technology
- Low NOx - Class 5, 15mg/kWh
- All stainless steel heat exchanger with five year warranty
- Built in pump with over-run and anti-sieze timer
- Multiple flue options, horizontal, vertical, single pipe and concentric
- Built in cascade control for up to eight boilers
- Weather compensation built in
- 0-10 volt BMS control built in
- Two stage frost protection
- Domestic hot water control facility
- Simple user controls with password protection for service parameters

## Berkeley



### Outputs from 25kW to 140kW

A range of cast iron atmospheric gas fired boilers available as standard, low NOx or high efficiency model. It is supplied with fully instrumented control panel and status indicator lamps.

#### Features:

- Works assembled and tested, or site assembly for ease of installation
- Medium water content
- Heavy duty castings
- Integral draught diverter
- Complete control panel with temperature gauges and indication lamps.
- Optional pump over-run kit and volt free contacts
- Choice of standing pilot or fully automatic ignition models
- High efficiency and low NOx models available.
- 10 year warranty

## Briley



### Outputs from 60kW to 180kW

High efficiency, fan assisted, cast iron, sectional heating appliance, which incorporates two premix burners and is suitable for natural gas (G20). The controls and two burners allow for a HIGH / LOW operation giving both 100% and 50% rates.

#### Features:

- High efficiency, 93.3%
- Class 5 Low Nox boiler
- Pre-mix combustion
- 125mm diameter flue
- Electronic control that monitors the water flow temperature with weather compensation facility
- Water backed combustion chamber to prevent excessive heat loss to the floor and surrounding area
- Gas/air ratio control system to ensure combustion performance is maintained under different flue operational conditions
- May be supplied as a finished assembly with only the controls and case to be site fitted or in small sub assemblies for complete site assembly
- Heat exchanger insulated with aluminium foil backed mineral wool for low standing losses

**NEW PRODUCT FOR 2004**

## Bisley



### Outputs from 45kW to 350kW

A range of cast iron sectional boilers for pressure jet oil firing or forced draught gas firing. Suitable for central heating and indirect hot water supply at working pressures up to 4.0 bar.

Comprehensive control panel containing control and limit thermostat, thermometer, altitude gauge, illuminated On/Off switch, boiler on lamp, high temperature lock out and control box lock out lamp. Output signals are available for remote indication and an optional pump over-run kit is available.

#### Features:

- 91% net efficiency on natural gas at full firing rate
- Choice of matched and tested burners
- Top and front clean out for maintaining efficiency
- Factory assembled option
- Hinged front door - RH or LH option
- 50mm insulation in jacket panel.
- Options include volt free contacts, pump over-run timer, shunt pumps LPG and Biogas burners.
- 10 year warranty

## Broxley



### Outputs from 320kW to 860kW

A range of pressure jet cast iron boilers. Its maximum working pressure of 6 bar - as opposed to the more usual 4 bar - makes it particularly suitable for use taller buildings or for higher working temperatures.

It is a three-pass boiler with cast iron sections and comes with matched pressure jet burners.

#### Features:

- High low burners as standards
- Efficiencies up to 92% net CV on gas (83% gross CV)
- Volt free contacts and pump over-run timer options
- Hinged front door, left or right opening for easy servicing and cleaning
- Fully insulated casings
- Comprehensive control panel with optional electronic panel available on request
- 10 year warranty

## Max Range



### Outputs from 65kW to 2540kW

In the 'Max' steel shell and tube range, Beeston brings to the commercial heating market the best available technology - an economical, high efficiency solution ideal for new or replacement installations firing on gas or oil.

The Ecomax and Duomax boilers are configured so boiler pipework and burner access is simple and HT models can fit through a normal door width when split down for installation. Control options give maximum flexibility and the appliance carries a three year parts and labour warranty on the burner and a five year parts warranty on the shell and tube.

#### Features:

- All HT models fit through standard door opening
- Reverse flame shell and tube design
- Low standing losses
- Burner lock-out indicator
- On/off, high/low or dual fuel burner options
- Fully closing air damper on shut down
- Wide range of control panel options
- Burner acoustic shrouds included on all HT models



**Brief specifications and dimensions**

Outputs in kW. Height, width & depth in mm.  
No allowance is made for burner dimensions  
Weights in kg.

**SHR** - \* denotes combi model

**ACER** - High efficiency wall mounted condensing

**Berkeley** - Condensing and Low NOx Models available

**Bisley & Broxley** - Choice of burners & fuels available

**Briley** - Please check first for model availability

SHR MODELS	15	24	24T *	35	35T *	51T *	60
OUTPUT kW 50/30 °C	14.4	23	23	33.6	33.6	48.7	57.2
HEIGHT	680	680	680	680	680	680	680
WIDTH	500	500	840	500	840	1000	660
DEPTH	370	370	370	370	370	370	370
Max flue length(m)@80mm dia	30	25	25	18	18	10	6

ACER	OUTPUT kW	WIDTH	DEPTH	HEIGHT	DRY WEIGHT	FLUE I.D.
60	60	458	490	838	46	80
80	80	458	490	838	73	100
100	100	458	490	838	78	100
120	120	458	490	838	83	130
*150	150	458	670	890	92	130
*180	180	458	670	890	101	130

\* Check [www.beeston-heating.co.uk/Products/acer.html](http://www.beeston-heating.co.uk/Products/acer.html) for launch dates

BERKELEY	OUTPUT kW	WIDTH	DEPTH	HEIGHT	DRY WEIGHT	SECTIONS	FLUE I.D.
25	25	432	730	1020	162	3	130
42	42	508	730	1020	202	4	155
50	50	600	730	1020	243	5	180
56	56	600	730	1020	243	5	180
68	68	692	730	1020	283	6	180
81	81	784	730	1020	324	7	205
93	93	876	730	1020	364	8	205
105	105	968	730	1020	405	9	255
115	115	1060	730	1020	444	10	255
124	124	1152	730	1020	485	11	255
140	140	1336	730	1020	566	13	255

BRILEY	OUTPUT kW	WIDTH	DEPTH	HEIGHT	DRY WEIGHT	SECTIONS	FLUE I.D.
60	60	526	723	1057	274	4	125
*80	80	526	825.5	1057	303	5	125
100	100	526	928	1057	400	6	125
*120	120	526	1030.5	1057	417	7	125
140	140	526	1133	1057	526	8	125
*160	160	526	1235.5	1057	531	9	150
*180	180	526	1338	1057	588	10	150

\* Check [www.beeston-heating.co.uk/Products/briley.html](http://www.beeston-heating.co.uk/Products/briley.html) for launch dates

BISLEY	OUTPUT kW	WIDTH	DEPTH	HEIGHT	DRY WEIGHT	SECTIONS	FLUE I.D.
45	45	666	500	1280	365	3	150
60	60	666	500	1280	365	3	150
80	80	666	625	1280	450	4	150
106	106	666	750	1280	530	5	150
133	133	666	875	1280	620	6	150
160	160	666	1000	1280	705	7	200
187	187	666	1125	1280	790	8	200
213	213	666	1250	1280	870	9	200
240	240	666	1375	1280	955	10	250
266	266	666	1500	1280	1040	11	250
292	292	666	1625	1280	1130	12	250
312	312	666	1750	1280	1220	13	300
329	329	666	1875	1280	1300	14	300
350	350	666	2000	1280	1380	15	300

BROXLEY	OUTPUT kW	WIDTH	DEPTH	HEIGHT	DRY WEIGHT	SECTIONS	FLUE I.D.
BX320	320	1090	1380	1470	1836	9	300
BX380	380	1090	1510	1470	2015	10	300
BX440	440	1090	1640	1470	2190	11	300
BX500	500	1090	1770	1470	2368	12	300
BX560	560	1090	1900	1470	2546	13	300
BX630	630	1090	2030	1470	2724	14	300
BX700	700	1090	2160	1470	2902	15	300
BX780	780	1090	2290	1470	3079	16	350
BX860	860	1090	2420	1470	3261	17	350

model	Heat output
<b>Ecomax</b>	max kW
6	65
7	74
8	90
10	104
12	125
14	150
17	185
21	220
25	260
30	310
33	349
35	368
40	421
45	473
50	527
55	582
60	630
70	735
80	846
90	954
100	1060
110	1170
120	1270
<b>Ecomax HT</b>	
6	64
7	74
8	90
10	104
12	125
14	150
17	185
21	220
25	260
30	315
<b>Duomax HT</b>	
120	128
140	148
170	180
200	208
240	250
280	300
350	370
420	440
500	520
600	630
<b>Duomax HP</b>	
700	736
800	842
900	946
1000	1054
1100	1164
1200	1260
1400	1470
1600	1692
1800	1908
2000	2120
2200	2340
2400	2540

# Heating Water – Talk to Beeston

Whatever boiler you need, whatever your application, Beeston can make your choice simple and your job easier.

Our extensive range, built to rigorous quality standards, has a boiler suitable for every application - and with more than 100 years of commercial heating experience we can help you choose the correct equipment for the job.

And although our product range is second to none, it doesn't stop there.

We offer a design service, commissioning and installation and financing should your project require it.

Whatever we can do to help, we will. Every customer is assigned their own personal contact within the Beeston

team. Your contact then has the responsibility of ensuring your project progresses smoothly from start to finish - and beyond.

Beeston is registered to ISO 9002 with an extensive range of products to suit every need.

All our cast iron boilers carry the Cast Iron Deal 10 year warranty and our Environmental Impact Certificate stating the CO<sup>2</sup> and NOx levels is issued at the time of commissioning by our trained engineers.

With a choice of standard, condensing and Low NOx models, each designed to give maximum efficiency levels and low emissions, Beeston has a solution for you.

## Our Promise

### Customers will find that:

- They get value for money
- They can communicate with us easily
- We are reliable and do what we say we will do
- Our products are reliable and do what we claim for them
- We deliver the right product on time, every time
- We aim to have zero defects in our products, services, systems, information and advice
- It is easy to be our customer

Quality for Beeston means that we aim to meet and exceed our customers' expectations of both product and service all the time, every time and in every way - at a competitive price.

We are committed to providing products which are as energy efficient as possible and to this end, we operate an environmental impact scheme on our heating products as well as a Cast Iron Warranty.

Beeston Heating maintain a policy of continuous research and development, and reserve the right to alter specifications when necessary.



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