

The Beeston Briley

60kW to 140kW



The new generation of clean high efficiency cast iron boilers



● HEATING ● STORING ● MOVING ● CONTROLLING WATER ●

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 advisory service, commissioning and installation.

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 heating and hot water requirement.



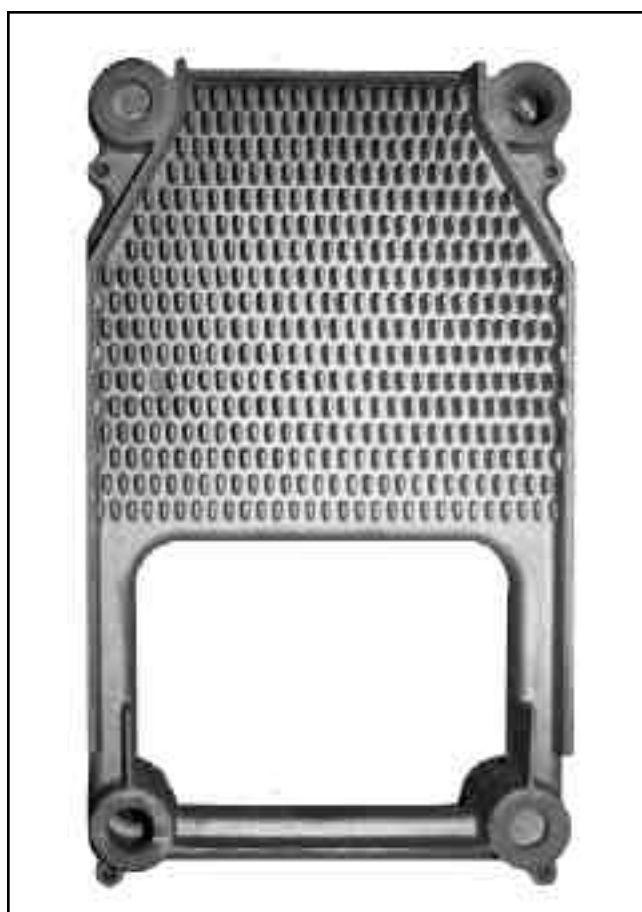
An introduction to the new Beeston Briley

The Briley combines the resilience of cast iron with high efficiency at a competitive price.

The ceramic plaque Hi/Lo burner with 50% turn down ensures efficient performance and low emissions at varying loads.

Features include:

- Efficient 93.3% at full load - 91.5% @ 30% load
- Class 5 emission boiler Low NOx - less than 60 mg/kWh
- Exceeds Part L of new Building Regulations
- Premix ceramic burner
- Front to back build for modular installation
- Small footprint for kW load
- Small diameter flue giving additional cost savings
- No draught diverter required
- Water cooled base for increased efficiency
- Factory set combustion requiring onsite check only
- Broad range of sizes



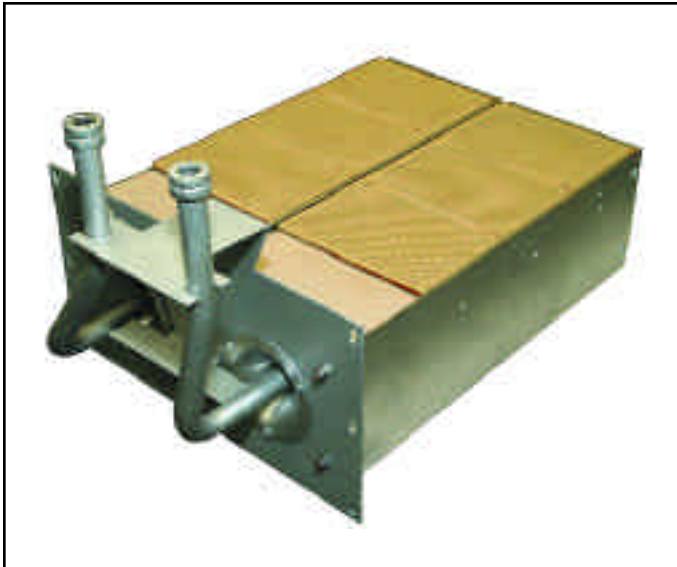
Controls

The Briley features a digital boiler control with the following features:

- Temperature read out
- Separate control of high and low fire set points
- Electronic control for high limit sensing with manual reset
- Pump output with pre set time overrun
- External sensor input for direct boiler compensation
- Two stage frost protection and external set point
- Multiple attempt direct burner ignition
- Anti cycle facility for improved efficiency



Specification



- Cast iron sectional boilers
- Suitable for sealed or open vent systems
- 4 Bar operating pressure
- Factory assembled with front to back build
- Site assembly service available on request
- Premix Hi/Lo burner with 100% High Fire and 50% Low Fire
- Twin x SIT Constant CO² gas/air ratio valves
- 125mm (5") diameter flue
- 2" BSP rear water connections
- Maximum operating pressure 4bar
- Suitable for multiple modular installations with minimum clearances
- Output for external pump
- Pump overrun built in control panel

Dimensions & Specifications

Appliance Model		BL60	BL80*	BL100	BL120*	BL140
Number of Sections		4	5	6	7	8
Max Output (high)	kW	60	80	100	120	140
Min Output (low)	kW	30	40	50	60	70
Max Input (net)	kW	71.4	*	119	*	166.5
Max Input (gross)	kW	64.3	*	107.2	*	150.1
Gas Group (N.G.)		G20 Natural Gas CAT 12H				
Firing Rate (high)	M CU/h	6.8	*	11.3	*	15.8
Firing Rate (low)	M CU/h	3.4	*	5.5	*	7.8
Gas Connection Size		1" BSP Male				
Efficiency - Full Load	(100%)	93.3	93.3	93.3	93.3	93.3
Efficiency - Part Load	(30%)	91.5	91.5	91.5	91.5	91.5
Combustion (High Fire)	CO ² %	9.3	*	9.3	*	9.5
Combustion (Low Fire)	CO ² %	4.3	*	4.2	*	4.2
NOX		<60 mg/kWh (Class 5)				
Electrical Supply		Single Phase 230v 50Hz, Fused at 5 Amps				
Height	mm	1056	1056	1056	1056	1056
Width	mm	526	526	526	526	526
Depth	mm	740	*	940	*	1140
Flue Spigot (OD)	mm	125	125	125	125	125
Minimum Clearance	mm					
Rear		300	300	300	300	300
Front		400	400	400	400	400
Sides		40	40	40	40	40
Weight Empty	kg	274	*	385	*	516
Weight Full	kg	305	*	432	*	578
Water Volume	L	31	*	47	*	62
Hydraulic Resistance	@ 11diff	0.35m	*	0.44m	*	0.71m
Flow Rate	@ 11diff	1.298 L/s	*	2.164L/s	*	3.03L/s
Hydraulic Resistance	@ 20diff	0.14m	*	0.25m	*	0.32m
Flow Rate	@ 20diff	0.71 L/s	*	1.19L/s	*	1.67L/s

* Check <http://www.beeston-heating.co.uk/Products/briley.html> for launch dates of these models and pipework & flue header kits for modular installations.

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



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