

## Our Boiler Family



# About Us

## Welcome to the world of Biasi

Since its inception in Italy in the 1930s, the Biasi name has become trusted around the world for quality, reliability and performance. Now serving customers in over 40 countries, Biasi is a global brand with a rich history and cutting-edge solutions.

Biasi UK was formed in 1990 and has quickly become a leading supplier to the heating industry, continually evolving to remain at the forefront of new product development and setting ever-higher benchmark standards.

Our boilers are proudly manufactured in Italy, at one of Europe's most advanced facilities, where each boiler and its components are individually tested to exacting performance standards throughout the production process before leaving the factory. The factory is based in Pordenone and is both ISO:9001 and ISO:14001 accredited.

## Why choose a Biasi Combi or System Boiler

Unlike a conventional domestic central heating and hot water system, a Combi Boiler heats water taken directly from the cold mains – but only as you use it. It does not require a tank or cylinder to store hot water.

### Our range of Combi Boilers helps customers:

- Save space (no need for a water tank)
- Save costs (no unused hot water to store)
- Deliver hot water at mains pressure
- Save money on installation time and costs with quick and easy installation

Our 64,000sqft distribution facility, located in Walsall in the West Midlands also boasts a state-of-the-art training facility for both merchants and installers.

Biasi UK has grown to meet the needs of the UK market, adding central heating radiators, LST covers, designer radiators, towel rails and unvented cylinders to its product portfolio.

Dedicated to realising founder Leopoldo Biasi's vision of generating comfort through heating the home, Biasi now provides an unrivalled one-stop-shop for heating solutions.

Every single Biasi product is fully compliant with all regulations, official standards and directives. The company is also a member of Gas Safe, HHIC and the EST.

Combination boilers are very popular in UK homes. In fact, they account for over 75% of all boilers installed.

System Boilers are more like traditional boilers, in that they still provide heat to the radiator system, but can also heat the domestic hot water cylinder for all household hot water needs. Thus, they are ideal for replacing existing boilers and work extremely well with an unvented hot water cylinder in properties with two or more bathrooms.

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## Wall Hung Boilers

# Inovia

High-efficiency, ErP-ready  
Combi and System Boilers

**5 year  
guarantee\***

Introducing the **Inovia**: Biasi's flagship intelligent gas boiler range, equipped with cutting-edge quad-processor technology to deliver maximum energy efficiency to drastically reduce fuel bills.

Compact, reliable and packed with advanced technical features, including a seven-day programmer, timed pre-heat on hot water, visible pressure gauge and annual service reminder.

The **Inovia** range can satisfy virtually any domestic requirement, featuring 25kW, 30kW, and 35kW combination boilers and a 25kW system model.

Each **Inovia** boiler can seamlessly connect to the optional Biasi outside temperature probe to automatically regulate the heating and maximise efficiency, based on real-time changes to weather and outside temperatures.

**\*The Inovia comes with a full 5 year guarantee, covering all parts and labour.\*\***



\*\*Subject to T&C's please visit [www.biasi.co.uk](http://www.biasi.co.uk) for more information

## Details on control

- 01 Domestic hot water temperature control
- 02 Keep Hot function, for faster hot water delivery
- 03 Information menu
- 04 Central heating temperature selector
- 05 Winter / summer / on / off switch
- 06 System pressure gauge, shown in bar



## Controller Range

The Biasi Stat is a complete boiler management control – a hard-wired remote that not only acts as the system's main interface anywhere in the property, it also provides homeowners with a variety of functions and energy saving options.



## Weather Compensation

When connected to the Inovia, the outside temperature probe will automatically regulate the water temperature of the DHW and heating system in response to weather and changes in outside temperature. As an optional extra, this sensor is a relatively inexpensive device to help save money on your energy bills, as well as ensuring optimum comfort levels.



**Please speak to your Biasi stockist for details on our range of Accessories and Cylinders**

	Heating	Hot water
Inovia 25C ERP	A	A <sub>XL</sub>
Inovia 30C ERP	A	A <sub>XL</sub>
Inovia 35C ERP	A	A <sub>XXL</sub>
Inovia 25S ERP	A	N/A



## Wall Hung Boilers

# Advance Plus

High-efficiency, ErP-ready  
Combi and System Boilers

5 year  
guarantee\*



This is the **Advance Plus** range: a unique mix of the latest in intelligent gas boiler technologies and simple, intuitive controls.

The entire **Advance Plus** range has been developed to achieve up to an incredible 92% efficiency, securing an ‘A’ in the energy related products classification.

Available in three combination models (25kW, 30kW, and 35kW), and three system models (16kW, 25kW, and 30kW), practically any domestic premises can benefit from an Advance Plus boiler solution.

The **Advance Plus** features clear, simple controls, meaning anyone can understand and adjust the central heating and hot water temperatures quickly and easily.

What’s more, users can customise the boiler to add a simple on/off control using the optional built in mechanical clock, or any other external control that they prefer.

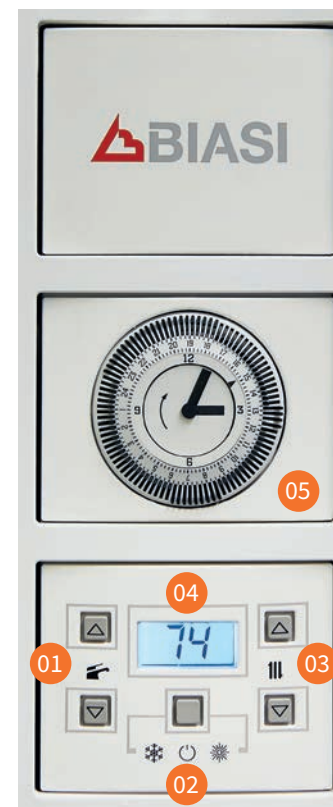
**\*The Advance Plus range comes with a full 5 year guarantee, covering all parts and labour.\*\***



\*\*Subject to T&C's please visit [www.biasi.co.uk](http://www.biasi.co.uk) for more information

## Details on control

- 01 Domestic hot water temperature control
- 02 Winter / summer / on / off switch
- 03 Central heating temperature selector
- 04 LCD display
- 05 Optional mechanical clock



## Controller Range

The Biasi Stat is a complete boiler management control – a hard-wired remote that not only acts as the system’s main interface anywhere in the property, it also provides homeowners with a variety of functions and energy saving options. This includes timed pre-heat for the DHW.

A simple to use 24-hour mechanical timer is available for the Advance Plus as an optional extra for customers wanting basic control and ease of use, as pictured.



## Weather Compensation

When connected to the Advance Plus, the outside temperature probe will automatically regulate the primary circuit water temperature and heating system in response to weather and changes in outside temperature.

This sensor is an optional extra and a relatively inexpensive device to help save money on your energy bills, as well as ensuring optimum comfort levels.



	Heating	Hot water
Advance Plus 25C ERP	A	A <sub>XL</sub>
Advance Plus 30C ERP	A	A <sub>XL</sub>
Advance Plus 35C ERP	A	A <sub>XXL</sub>
Advance Plus 16S ERP	A	N/A
Advance Plus 25S ERP	A	N/A
Advance Plus 30S ERP	A	N/A

## Wall Hung Boilers

# Riva Plus

High-efficiency, ErP-ready  
Combi and System Boilers

**2 year  
guarantee\***



The Riva Plus range was inspired by the successful Riva Compact boiler. Retaining a traditional burner and developing a high-efficiency main heat exchanger, we have combined efficiency and reliability with tried-and-tested technology.

Our revolutionary recuperator heat exchanger delivers enhanced efficiency, using an advanced modulating fan that optimises the air/gas ratio, combined with an all-new coil that increases the heat-exchanging surface.

This recuperator conserves heat that conventional boilers would lose, and uses it to preheat the boiler system water, increasing efficiency and saving money.

Simple-to-use controls and a built-in 24-hour programmer have made this one of our most popular models, favoured by both landlords and home owners looking for reliability and efficiency at an affordable price.

Riva Plus boilers are available as a combination and system boiler in both 24kW and 28kW outputs, and are famously easy to install and maintain.

**\*The Riva Plus range comes with a full 2 year guarantee, covering all parts and labour.\*\***

\*\*Subject to T&C's please visit [www.biasi.co.uk](http://www.biasi.co.uk) for more information



- 01 Operation lights and diagnostics
- 02 Domestic hot water temperature control
- 03 Central heating temperature control and summer setting switch, to turn off the heating but maintain hot water
- 04 Safety lock-out reset button
- 05 Safety lock-out indicator
- 06 24 hour programmer
- 07 Central heating temperature gauge and System pressure gauge

## Biasi BoilerMag



The Biasi BoilerMag has been designed to safeguard your boiler from dirt and debris that can be found in the heating system water, even after power flushing, some older systems may still produce debris that in time will cause damage to the boiler and reduce the efficiency.

This is why we recommend as well as flushing and cleaning the system and using a quality inhibitor, you should fit the Biasi BoilerMag from Eclipse as we feel this is the best filter on the market.

To ensure maximum efficiency of your heating system, the filter should be regularly checked and cleaned.



By simply adding a class 1 external control you can achieve an A  rated ErP package label.

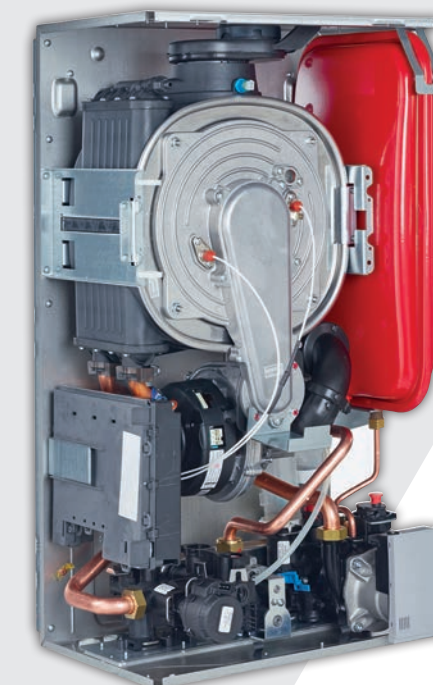
	Heating 	Hot water 
Riva Plus 24C ERP	B	A XL
Riva Plus 28C ERP	B	A XL
Riva Plus 24S ERP	B	N/A
Riva Plus 28S ERP	B	N/A

# Technical Specifications

## Technical Operating Features: Inovia and Advance Plus

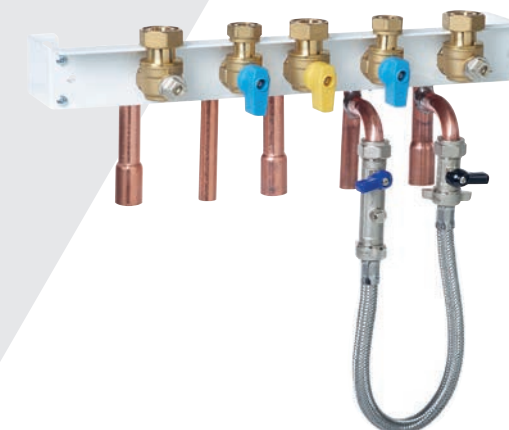
The **Inovia** and **Advance Plus** boiler ranges have a host of advanced technical features, including:

- Specially developed microprocessor control to ensure efficient and reliable operation.
- Full pre-mix burner with modulation control in both heating and hot water modes, which constantly matches output with demand.
- Electronic flame ignition with adjustable re-ignition sequence to prevent lockouts.
- Anti-seize function that automatically activates motorised components (pump, diverter, fan) during periods of in-operation to prevent seizing.
- Frost protection to sense low temperatures and prevent freezing.
- Fault display alerts in case of operational problems.
- New 'Hydroblock' section to ensure safety and reliability with a motorised diverter valve, flow/pressure sensor and magnetic water flow switch.
- Built-in temperature sensor to enable precise thermal control, as well as inlet and outlet sensors to provide balanced thermal input via a differential thermal calculation.
- Automatic built-in bypass to protect the boiler during low flow rates (e.g. all radiator valves closed).
- Historical fault diagnostic – up to 10 faults recorded.
- Inovia features a built-in seven-day clock and timed preheat on hot water.



## Technical Installation Features: Inovia and Advance Plus

- All isolation valves are supplied with pre-formed copper tails for easy connection. The filling loop is also provided for simple assembly to the valves, for further time saving.
- Combi and System models are provided pre-wired with 1.5m of cable to minimise electrical work.
- The pre-fixing kit that is supplied with the boiler allows for the system to be connected and tested prior to the boiler being fitted. This would allow the boiler to be removed from a new build site for security reasons.
- An optional 'stand-off' bracket means pipework can be routed upwards behind the boiler when required.
- All valves and pipework can be neatly concealed behind an optional pipe cover.





## Technical Operating Features: Riva Plus

- Fully modulating burner in both central heating and hot water modes to maintain an output within +/-1° C.
- Simple to use controls with instructions on drop down panel for ease of use.
- Advanced electronic control board providing:
  - Electronic flame ignition
  - Adjustable re-ignition sequence
  - Aerobic exercise sequence, which prevents any seizure of motorised components by exercising them during any 24-hour period without a demand for heating or hot water
  - Fault self-diagnostic indication via 3 LED lights for ease of maintenance
  - Frost protection system to prevent freezing when installed in vulnerable areas (e.g. garage or roof space)
- Automatic bypass built-in to protect the boiler if a low flow rate is present in system (e.g. all radiator valves are shut).
- Magnetic hot water demand switch for long and maintenance-free life.
- Heating circuit pressure switch preventing ignition if system lacks water.

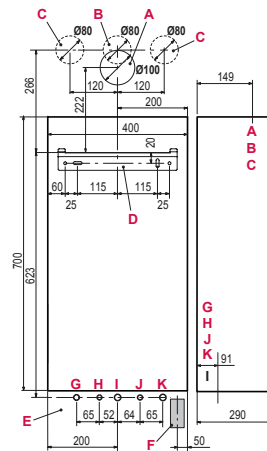


## Technical Installation Features: Riva Plus

- All isolation valves are supplied with pre-formed 15mm and 22mm copper tails
- A template is supplied with the boiler allowing you to position the bracket and drill the hole for the flue without hanging the boiler.
- Although this model has an offset flue outlet, our horizontal flue is multi directional meaning a central flue outlet is possible by using a 45° elbow.
- An optional “stand-off” bracket means pipework can be routed upwards behind the boiler when required.

## Fixing Holes and Connection Pipes Position: Inovia and Advance Plus

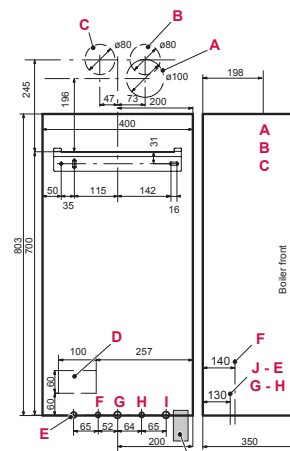
- A. Flue outlet / air intake pipe (co-axial Ø 100/60mm)
- B. Flue outlet pipe Ø 80mm (twin kit)
- C. Air intake pipe Ø 80mm (twin kit)
- D. Bracket
- E. Electrical connection area
- F. Condensate drain
- G. CH Flow
- H. DHW outlet
- I. Gas
- J. DCW inlet
- K. CH Return



A siphon is fitted within the boiler to collect condensate liquid from the condensing heat exchanger.

## Fixing Holes and Connection Pipes Position: Riva Plus

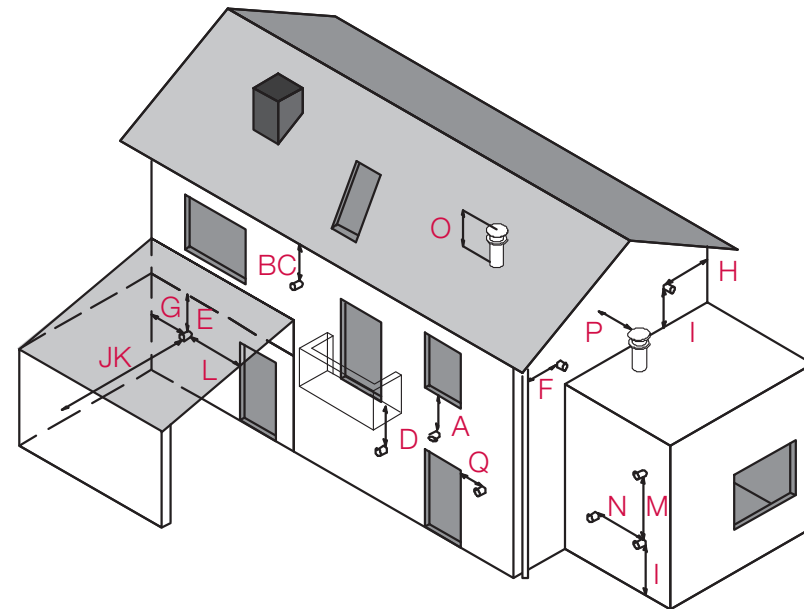
- A. Flue outlet / air intake pipe (co-axial)
- B. Flue outlet pipe Ø 80mm (twin kit)
- C. Air intake pipe Ø 80mm (twin kit)
- D. Electrical connection area
- E. CH Flow
- F. DHW outlet
- G. Gas
- H. DCW inlet
- I. CH Return
- J. Condensate drain



A siphon is fitted within the boiler to collect condensate liquid from the condensing heat exchanger.

## Flue Space:

Clearance Requirements	mm
A. Directly below the window or other opening	300
B. Below gutters, soil pipes or drain pipes	75
C. Below eaves	200
D. Below balconies*	600
E. Below car port roof	-
F. From vertical drain pipes and soil pipes	150
G. From internal corners**	450
H. From external corners	300
I. Above ground or balcony level***	300
J. From a wall or surface	600
K. From a terminal facing a terminal	1200
L. From an opening in the car port (e.g. door, window) into dwelling	-
M. Vertically from a terminal in the same wall	1500
N. Horizontally from a terminal in the same wall	300
O. Above the roof pitch with roof slope less than or equal to 30°	350
O. Above the roof pitch with roof slope more than 30°	600
P. From wall face	600
Q. From, above or to side of an opening	300



\* Wherever practicable to do so, the flue should be extended beyond the perimeter of the balcony.  
 \*\* Consideration should be given to adding protection against condensate to the adjacent structure.  
 \*\*\* Wall terminals with horizontal discharge less than 2.5 m from a car parking space and less than 2,1 m above the ground. Wall terminals less than 2,1 m above the ground with horizontal discharge of the flue products across a public footway, or a frequently used private access route, or a patio (hard surface area).

### Fitting Requirements

Maximum Flue Length in metres	Inovia ErP & Advance Plus ErP	Riva Plus ErP
Horizontal Flue (inc Kit 2)	10.0	2.5
90 deg bend is equivalent to	1.0	1.0
45 deg bend is equivalent to	0.5	0.5
Vertical Flue	10.0	8.5
90 deg bend is equivalent to	1.0	1.0
45 deg bend is equivalent to	0.5	0.5
Twin Flue	40.0	30.0
90 deg bend is equivalent to	1.65	1.65
45 deg bend is equivalent to	0.90	0.90
Pluming Kit	15.0	2.4
90 deg bend is equivalent to	0.85	0.85
45 deg bend is equivalent to	0.65	0.65
Plume Management kit	15.0	N/A
Minimum flue length for all boilers is 0.5M		

### Clearance Required Around the Boiler:

	Inovia ErP & Advance Plus ErP	Riva Plus ErP
Top	250mm	250mm
Bottom	200mm	200mm
Left	25mm	25mm
Right	25mm	50mm
Front	5mm	50mm

### Optional Extras:

LPG Conversion Kits	Code
Inovia 25kW boiler	BI1293500
Inovia 30kW boiler	BI1363500
Inovia 35kW boiler	BI1363500
Advance Plus 16kW boiler	BI1293500
Advance Plus 25kW boiler	BI1293500
Advance Plus 30kW boiler	BI1363500
Advance Plus 35kW boiler	BI1363500
Riva Plus 24kW boiler	KI1064506
Riva Plus 28kW boiler	KI1064506



**10999.0808.0**  
Mechanical Clock for Advance Plus



**10999.0604.0**  
Biasi Stat for Advance Plus and Inovia

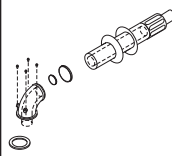
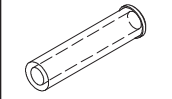
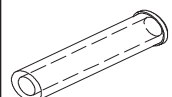


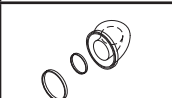
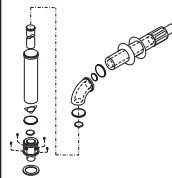


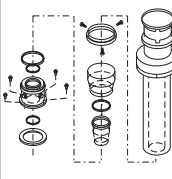
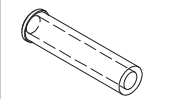

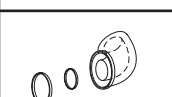



**BI1665107**  
Outside temperature probe for Advance Plus and Inovia

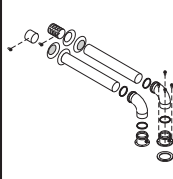
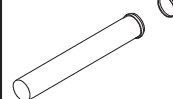

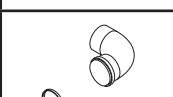
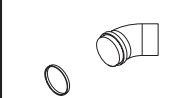
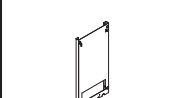
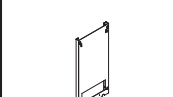


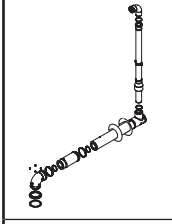
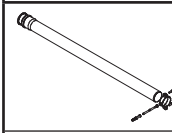
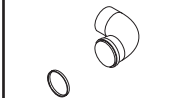
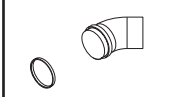
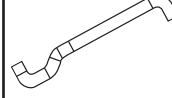

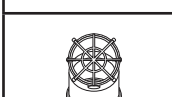
**10999.0929.0**  
External pressure gauge kit for Advance Plus and Inovia

### Flueing Options:

Product	Description	Inovia	Advance Plus	Riva Plus
	ø 60/100mm			
Code: 10999.0387.1	Horizontal Kit			
	ø 60/100mm			
Code: 10999.0388.1	1m Horizontal Extension			
	ø 60/100mm			
Code: 10999.0928.0	2m Horizontal Extension			
	ø 100mm			
Code: 10999.0319.0	Bracket Support			
	ø 60/100mm			
Code: 10999.0390.1	90° Elbow			
	ø 60/100mm			
Code: 10999.0391.1	45° Elbow			
	ø 60/100mm			
Code: 10999.0389.1	Raised Horizontal			

Product	Description	Inovia	Advance Plus	Riva Plus
	ø 80/125 mm			
Code: 10999.0392.1	Vertical Kit			
	ø 80/125 mm			
Code: 10999.0407.1	1m Vertical Extension			
	ø 125 mm			
Code: 10999.0320.0	Bracket Support			
	ø 80/125 mm			
Code: 10999.0408.1	90° Elbow			
	ø 80/125 mm			
Code: 10999.0409.1	45° Elbow			
	ø 125 mm			
Code: 10999.0252.1	Pitched Flashing			
	ø 125 mm			
Code: 10999.0280.1	Flat Flashing			

Product	Description	Inovia	Advance Plus	Riva Plus
	ø 80 mm			
Code: 10999.0393.1	Horizontal Twin Kit			
	ø 80 mm L = 1.0 m			
Code: 10999.0394.1	Twin Kit Extension			
	ø 80 mm			
Code: 10999.0318.0	Bracket Support			
	ø 80 mm for Twin Flue			
Code:10999.0395.1	90° Elbow			
	ø 80 mm for Twin Flue			
Code: 10999.0396.1	45° Elbow			
				
Code: 10999.0431.0	Pipe Space Frame			
				
Code: 10999.0822.1	Pipe Space Frame			

Product	Description	Inovia	Advance Plus	Riva Plus
	ø 60 mm Top ø 60/100 mm Bottom			
Code: 10999.0556.0	Plume Kit			
	ø 60 mm L = 1.0 m			
Code: 10999.0557.0	Plume Kit Extension			
	ø 60 mm			
Code: 10999.0558.0	90° Elbow			
	ø 60 mm			
Code: 10999.0559.0	45° Elbow			
	ø 60 mm			
Code: 10999.1077.0	Plume Management Kit			
	ø 60 mm L = 1.0 m			
Code: 10999.1078.0	Plume Management Extension			
	ø 60 mm			
Code: 10999.1054.0	Plume Diverter			



Technical Data Spec:

		Inovia 25C ERP	Inovia 30C ERP	Inovia 35C ERP	Advance Plus 25C ERP	Advance Plus 30C ERP
CENTRAL HEATING						
Gross Input	Kw	22.2	27.8	33.3	22.2	27.8
Max output 60/80 °C	Kw	19.5	24.4	29.5	19.5	24.4
Max output 30/50 °C	Kw	21.2	26.6	32.1	21.2	26.6
Min/Max Temp	°C	25/85	25/85	25/85	25/85	25/85
Min/Max Pressure	Bar	0.3/2.5	0.3/2.5	0.3/2.5	0.3/2.5	0.3/2.5
DOMESTIC HOT WATER						
Gross Input	Kw	27.8	33.3	37.7	27.8	33.3
Maximum Output	Kw	26.6	31.9	36.4	26.6	31.9
Flow Rate at 30°C Rise	L/min	13.3	16.2	19.2	13.3	16.2
Flow Rate at 35°C Rise	L/min	11.4	13.5	15.6	11.4	13.5
Min/Max Temperature	°C	35/55	35/55	35/55	35/55	35/55
Min/Max Pressure	Bar	0.3/10	0.3/10	0.3/10	0.3/10	0.3/10
ERP EFFICIENCY DETAILS						
SSH Energy Efficiency	%	92	92	92	92	92
Heating Label	Rating	A	A	A	A	A
Hot water Label	Rating	A XL	A XL	A XXL	A XL	A XL
Sound level	dB	52	52	53	52	52
OTHER DATA						
Height	mm	700	700	700	700	700
Width	mm	400	400	400	400	400
Depth	mm	290	290	290	290	290
Weight	Kg	33	34.5	34.5	33	34.5
Nox	Class/ppm	5/17	5/18	5/22	5/17	5/18
LGP Convertible	Part No	BI 1293 500	BI 1363 500	BI 1363 500	BI 1293 500	BI 1363 500
FEATURES						
Self diagnostics LED		×	×	×	×	×
Self diagnostics (Digital)		✓	✓	✓	✓	✓
Anti seize component protection		✓	✓	✓	✓	✓
Pre piping kit		✓	✓	✓	✓	✓
Filling loop		✓	✓	✓	✓	✓
24 hour mechanical clock		×	×	×	Optional	Optional
24 hour digital clock		×	×	×	×	×
Built in 7 day multifunctional clock		✓	✓	✓	×	×

Advance Plus 35C ERP	Riva Plus 24C ERP	Riva Plus 28C ERP	Inovia 25S ERP	Advance Plus 16S ERP	Advance Plus 25S ERP	Advance Plus 30S ERP	Riva Plus 24S ERP	Riva Plus 28S ERP
33.3	27.8	32.2	27.8	17.8	27.8	33.3	27.8	32.2
29.5	24.4	28.3	24.4	15.6	24.4	29.5	24.4	28.3
32.1	26.3	30.6	26.6	17.1	26.6	32.1	26.3	30.6
25/85	50/85	50/85	25/85	25/85	25/85	25/85	50/85	50/85
0.3/2.5	0.3/2.5	0.3/2.5	0.3/2.5	0.3/2.5	0.3/2.5	0.3/2.5	0.3/2.5	0.3/2.5
37.7	27.8	32.2	N/A	N/A	N/A	N/A	N/A	N/A
36.4	26.3	30.6	N/A	N/A	N/A	N/A	N/A	N/A
19.2	11.6	13.6	N/A	N/A	N/A	N/A	N/A	N/A
15.6	10	11.6	N/A	N/A	N/A	N/A	N/A	N/A
35/55	35/55	35/55	N/A	N/A	N/A	N/A	N/A	N/A
0.3/10	0.3/10	0.3/10	N/A	N/A	N/A	N/A	N/A	N/A
92	89	89	92	91	92	92	89	89
A	B	B	A	A	A	A	B	B
A XXL	A XL	A XL	N/A	N/A	N/A	N/A	N/A	N/A
53	48	49	52	51	52	52	48	49
700	803	803	700	700	700	700	803	803
400	400	400	400	400	400	400	400	400
290	350	350	290	290	290	290	350	350
34.5	36.8	37.7	31	31	31	32.5	35.5	36.7
5/22	2/94	2/90	5/24	5/17	5/24	5/22	2/94	2/90
BI 1363 500	KI 1064 506	KI 1064 506	BI 1293 500	BI 1293 500	BI 1293 500	BI 1363 500	KI 1064 506	KI 1064 506
×	✓	✓	×	×	×	×	✓	✓
✓	×	×	✓	✓	✓	✓	×	×
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	×	×	✓	✓	✓	✓	×	×
✓	×	×	×	×	×	×	×	×
Optional	×	×	N/A	N/A	N/A	N/A	N/A	N/A
×	✓	✓	N/A	N/A	N/A	N/A	N/A	N/A
×	×	×	N/A	N/A	N/A	N/A	N/A	N/A

## Cylinders

# Hydras

Fully Insulated  
Cylinder Range

**25 year  
guarantee\***



Biasi's Hydras range of unvented hot water cylinders removes the need for a header tank in the loft, delivering reliable mains pressure hot water whenever you need it.

Built to last from premium stainless steel, Hydras cylinders come with a solid 25-year guarantee.

\*25-year warranty covers the cylinder body.  
Cylinder accessories are covered for 12 months.\*\*

\*\*Subject to T&C's please visit [www.biasi.co.uk](http://www.biasi.co.uk) for more information

## Advantages

- Eliminates the need for tanks to be sited in the roof space
- As a pressurised system, the cylinder can be located in garages or storage cupboards – allowing for greater siting flexibility
- Services multi-bathroom properties
- Rapid reheating
- Fully insulated, environmentally friendly, fire retardant polyurethane foam with 50mm nominal thickness
- Improved hot water flow rate
- Comes complete with all necessary safety and control devices needed to connect with cold water mains, for easy installation
- All connection points are pre-made up to a compression point, with the exception of the bottom drain plug
- Kiwa approved

## Operations and Controls

Each of Biasi's cylinders are designed to operate effortlessly with the full range of Biasi System Boilers.

Our Solar Unvented Cylinders feature a purpose-designed solar coil, enabling the maximum heat transfer of solar energy into the stored water for an efficient and environmentally friendly way of providing domestic hot water.

When required, the Inovia Combi Boiler can also boost the outlet temperature of the water leaving the cylinder. This ensures there is no shortage of hot water if the solar collectors are unable to harness solar energy.

## Water Supply

Biasi cylinders operate at a maximum pressure of 3 bar that is controlled by the high-quality inlet control set and is capable of delivering over 50 litres per minute.

We recommend that the maximum possible water demand be checked with the local water authority to ensure it can meet these requirements.

Please speak to your Biasi stockist  
for delivery and price details.

Biasi Hydras Technical data:

		Direct					
Size		125	150	170	200	250	300
Code							
Volume	litres	124	148	168	196	247	292
Weight empty	kg	30	34	37	41	49	56
Weight full	kg	154	182	205	237	296	348
Height	mm	1045	1205	1325	1505	1825	2105
Width	mm	540	540	540	540	540	540
Reheat time (75% draw off)	Minutes	48	63	75	91	118	141
ErP Label	Class	C	D	D	D	D	D
Load Profile	Class	L	L	L	L	L	XL
Heat Loss	W	-	-	-	-	-	-
Annual Electricity consumption	kW/H	2773	2805	2830	2892	2924	4618
Accessories included							
T & P valve (pre-installed)		✓	✓	✓	✓	✓	✓
Expansion vessel inc bracket		✓	✓	✓	✓	✓	✓
Expansion vessel hose		✓	✓	✓	✓	✓	✓
10 way electrical wiring centre		✓	✓	✓	✓	✓	✓
3kw immersion heater (pre-installed)		2	2	2	2	2	2
15mm to 22mm tundish		✓	✓	✓	✓	✓	✓
Caleffi 3 bar water inlet group		✓	✓	✓	✓	✓	✓
Aqua (combined) thermostat		-	-	-	-	-	-
High limit thermostat		-	-	-	-	-	-
Motorised two port valve		-	-	-	-	-	-

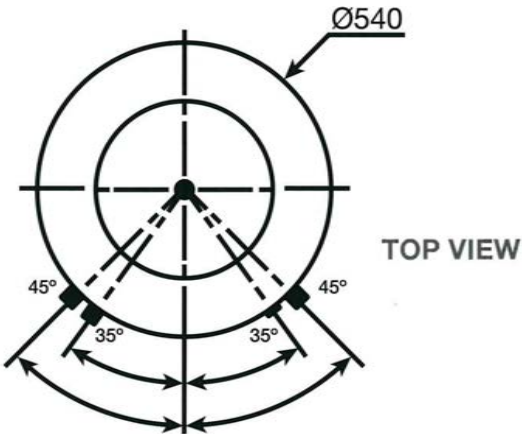
Maximum water supply	10 Bar
Operating pressure	5.5 Bar
Pressure reducing valve	3 Bar
Expansion relief valve	6 Bar
Maximum primary circuit pressure	3 Bar
Temperature & pressure valve	90°C/7 Bar
Electrical connections	230 V

Size of expansion vessel included in cylinder pack
12 Litre with 125 Ltr and 150 Ltr models
18 Litre with 170 Ltr, 200 Ltr and 250 Ltr models
25 Litre with 300 Ltr model

Pipe Positioning measurements	Hot water draw off mm	Temperature & pressure relief valve mm	Cold water inlet mm
125 Direct	1045	812	272
150 Direct	1205	972	272
170 Direct	1325	1092	272
200 Direct	1505	1272	272
250 Direct	1825	1592	272
300 Direct	2105	1872	272
125 Indirect	1045	812	272
150 Indirect	1205	972	272
170 Indirect	1325	1092	272
200 Indirect	1505	1272	272
250 Indirect	1825	1592	272
300 Indirect	2105	1872	272
200 Solar Indirect	1505	1272	272
250 Solar Indirect	1825	1592	272
300 Solar Indirect	2105	1872	272

Indirect						Solar Indirect		
125	150	170	200	250	300	200	250	300
124	148	168	196	247	292	193	244	289
35	39	43	47	57	64	51	63	70
158	187	210	244	303	360	246	306	363
1045	1205	1325	1505	1825	2105	1505	1825	2105
540	540	540	540	540	540	540	540	540
19	25	25	32	32	37	32	32	37
B	C	C	C	C	D	C	C	D
-	-	-	-	-	-	-	-	-
52	60	66	81	89	105	83	91	107
-	-	-	-	-	-	-	-	-
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓
1	1	1	1	1	1	1	1	1
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓
-	-	-	-	-	-	✓	✓	✓
1	1	1	1	1	1	2	2	2

Primary return (Boiler Coil) mm	Primary flow (Boiler Coil) mm	Secondary return mm	Primary return (Solar Coil) mm	Primary flow (Solar Coil) mm
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	1042	-	-
-	-	1427	-	-
-	-	1667	-	-
290	615	-	-	-
290	615	-	-	-
290	690	-	-	-
290	690	1042	-	-
290	760	1427	-	-
290	760	1667	-	-
790	1115	1042	290	690
932	1332	1427	290	760
1072	1472	1667	290	760



Model	Designated volume Ltr	Fossil fuel volume Ltr	Total capacity Ltr
200 Ltr Solar	94	104	198
250 Ltr Solar	117	132	249
300 Ltr Solar	139	155	294





## Pro-Fit

Pro-Fit is Biasi's new loyalty scheme, developed exclusively for Gas Safe Installers, to help enhance their business and improve product knowledge about our range of boilers.

### **Biasi Pro-Fit members benefit from:**

- Free training course – at our state-of-the-art training centre in Walsall, or our satellite centres in London, Edinburgh and the North West.
- Plus One Extended Warranties – an extra years' warranty on your Biasi boiler installations.
- Free boiler registrations with Gas Safe – we will pick up the charge, look after the homeowner certificates and inform the customer of the warranty details.
- Free listing on our Find an Installer page – generating leads in your area.
- Service reminder letters – we will send your company details direct to the customer as part of an annual service reminder.
- Exclusive promotions – receive information about our exclusive promotions via email and Twitter (@biasiprofitclub).
- Dedicated phone line – get exclusive access to a Biasi Representative during normal office hours.

If you are an installer and want to join or find out more, contact us at <https://biasiadx.crm.tecmanonline.co.uk>.

## What is ErP?

The Energy-Related Products Directive (ErP) is part of the European Union's commitment to reduce carbon emissions.

You may already be familiar with ErP: the distinctive labels are already on display whenever you buy certain new products, including fridges, freezers, TVs and tyres. The simple-to-read chart rates each product on how energy efficient they are: from A+++ (the most energy efficient) to G (the least energy efficient).

## What does this mean for Biasi boilers and heating products?

Since September 2015, the ErP applies to all residential and commercial heating products throughout Europe, including electrical powered products, boilers, water heaters, as well as renewable technologies such as solar thermal and heat pumps.

ErP has two separate sections: Ecodesign and Energy Labelling.

### • **Ecodesign**

Ecodesign determines the minimum energy performance standards, nitrogen oxide and noise emissions criteria for energy-related products. All Biasi products comply with these criteria and bear the CE mark that makes them legal for use and sale in the EU community.

### • **Energy Labelling**

Every product with an output equal to or less than 70kW (or in the case of water heaters or storage tanks that have a storage volume of equal to or less than 5000 litres) will require a label.

Each Biasi product is classified with an efficiency band from A+++ to G, relating to heating and, where relevant, hot water production and sound power level.

This means that you can easily see which are the most energy efficient Biasi products, saving money and reducing environmental impact.

### • **The System Energy Label**

Installers will need to create their own package system label. To do so, simply download it from our website: [www.biasi.co.uk/erp-calculator](http://www.biasi.co.uk/erp-calculator)