

 **BIASI**

Condensing Boilers, Italian Style

... go with the flow

32



RIVA
compact 32kW

RIVA

c o m p a c t 32kW



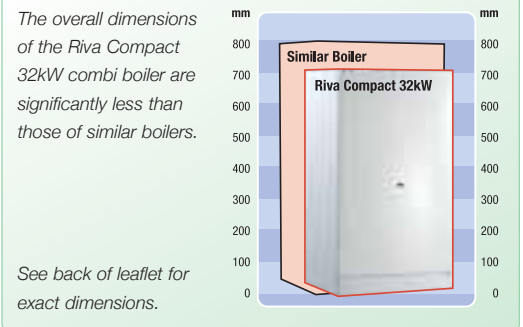
Why choose a Biasi Combi Boiler?

- Ultra-compact design
- Elegant Italian styling
- Beautiful, gloss white casing
- Designed to be wall mounted thus saving you valuable space
- Hot water supplied at mains pressure
- Wide choice of flueing options including vertical and multi-directional, room-sealed balanced flues that expel flue gases to the outside via integral fan units
- Electronic ignition system
- Automatic boiler bypass
- Frost Protection System
- New, advanced 24 hour Electronic Programmer
- All Biasi combi boilers are manufactured to comply with all EU Safety Standards
- 32 kW (109,184 Btu's) output. Ideal for the larger home and supplying that extra Domestic Hot Water requirement.

So easy to install and maintain ...

- No tank or cylinder
- Minimal pipework
- Substantial savings on materials
- Quick & easy installation
- Easy access to all main components
- Servicing time and bills greatly reduced
- Conversion Kits available for liquified petroleum gas users

Pipework to the boiler can be completed prior to the boiler installation with the aid of a pre pipe fixing jig. It is also possible to hide the pipework behind the boiler through the use of a concealed pipework jig. Both jigs are available as additional accessories.



Simple controls save you even more ...

All Riva Compact combi boilers have electronic ignition, without a pilot flame - saving on gas bills. They also come with a fitted 24 hour electronic programmer as standard so you can control your heating and hot water needs precisely according to the demands of your household.

Service and Support

Biasi UK aims to provide quality Technical Service and Support. Our **Technical Helpline 01902 304400** is available Monday to Saturday for specific telephone advice. In the unlikely event that a service visit is required, our nation-wide network of Service Agents will endeavour to attend within 24hrs (normal working days) or at a mutually agreed time.



"Unlike a conventional domestic central heating and hot water system, a combi (short for combination) boiler heats water taken directly from the cold mains - but only as you use it."

Boiler operation indicator light

Winter/Summer and Central Heating temperature control

Domestic Hot Water temperature control

Lockout reset button and warning light

24 hour programmer

Safe as houses ...

Biasi Riva Compact 32kW boilers come with all the safety features and devices as standard, unlike many other makes where they are optional 'extras'.

Anti-Scale System

The build-up of limescale in any system can cause problems. With Riva Compact combi boilers, regulation is the key minimising the formation of limescale. Temperatures within the critical zone main circuit are kept below 75°C, so restricting scale formation. And even if it should accumulate, the INOX steel domestic hot water plate exchanger is easy to clean in minutes by your service engineer.

Safety Flow Switch

This is a device, positioned on the main circuit, which monitors the flow and protects the main heat exchanger from thermal shock should the system lack water.

Frost Protection System

All Biasi Riva Compact boilers have an integral frost protection system to prevent frost damage to the boiler occurring when it is located in areas susceptible to very cold weather conditions, for example a garage installation.

Boiler Operation Recognition System

Should the boiler not be used for longer than 24 hours, it then performs a controlled exercise routine, ensuring the motorised components within the boiler do not become inoperable due to lack of use.

Radio Disturbance Immunity

The electronic p.c.b. is equipped with devices that protect the operation of the boiler from radio frequencies which can be harmful.

Temperature Fluctuation ($\pm 1^\circ\text{C}$)

A gas valve modulates continuously when operating in both heating and hot water cycles. The central heating output can be adjusted during commissioning to match your heating requirements, the temperature fluctuation is always maintained within 1°C.

Engineer Diagnostic Information System

For ongoing maintenance service and repair, the boiler is equipped with a self-diagnostic system which can be readily accessed by the servicing engineer.



**Central Heating
temp/pressure
gauge**

**our electronic
ammer**

... go with the flow



technical characteristics

CENTRAL HEATING

Heat Output	kW	32.0
	Btu's	109,184
Heat Input	kW	35
	Btu's	120,102
Minimum Heat Output	kW	12.7
	Btu's	43,435
Temperature Setting Range	°C	38/85
Expansion Vessel Capacity	litres	6
Maximum Working Pressure	bar	3.0
System Cold Fill Pressure	bar	1.3
Normal Operating Pressure Range	bar	1.3 to 2.7
Available Pump Pressure (at 1000 litres/hr)	bar	0.27
	kPa	27

DOMESTIC HOT WATER

Heat Output	kW	32.0
	Btu's	109,184
Heat Input	kW	35.2
	Btu's	120,102
Temperature Setting Range	°C	35/55
Normal Working Pressure Range	bar	0.3 to 5.0
Minimum Working Pressure	bar	0.3
Maximum Pressure	bar	10.0
Minimum Flow Rate	l/min	2.5
Flow Rate (30° rise)*	l/min	15.3
Flow Rate (35° rise)*	l/min	13.1

* Calculated values

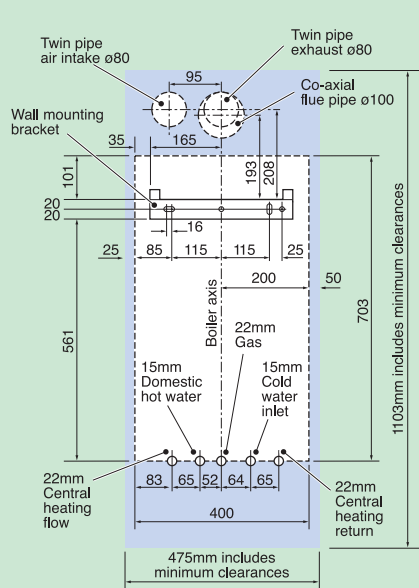
OTHER DATA

Voltage/Frequency	V/Hz	230/50
Power	W	180
Height	mm	703
Width	mm	400
Depth	mm	325
Weight	kg	39
C.H. Inlet & Outlet Connections	mm"/	22/ 3/4
Gas Inlet Connection	mm"/	22/ 3/4
D.H.W. Inlet & Outlet Connections	mm"/	15/ 1/2
Standard Flue Pipe ø	mm	60/100
(Nominal Length 1m)		
Maximum Horizontal Length of Flue Pipe	m	2.7
Minimum Horizontal Length of Flue Pipe	m	0.3
See Boiler Accessories Brochure for Specific Flue Component Details.		
EFFICIENCY		
SEDBUK Rating		D

CLEARANCE REQUIREMENTS

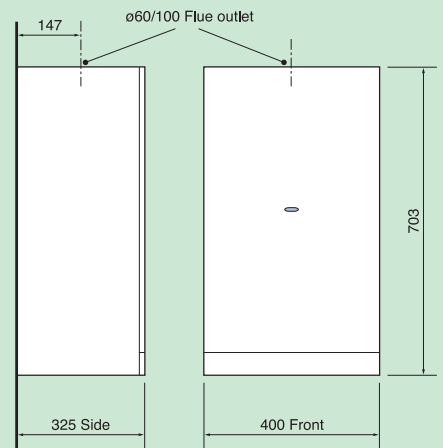
Top and Bottom:	200mm
Left Hand Side:	25mm
Right Hand Side:	50mm
Minimum Front Clearance requirement in Operation:	50mm
Minimum Front Clearance requirement for Servicing and Maintenance:	600mm

FIXING HOLES AND CONNECTION PIPES POSITIONS

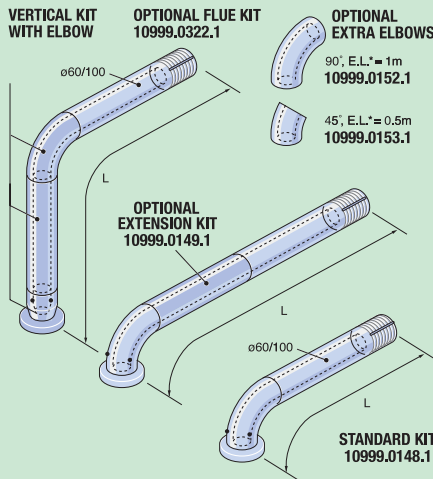


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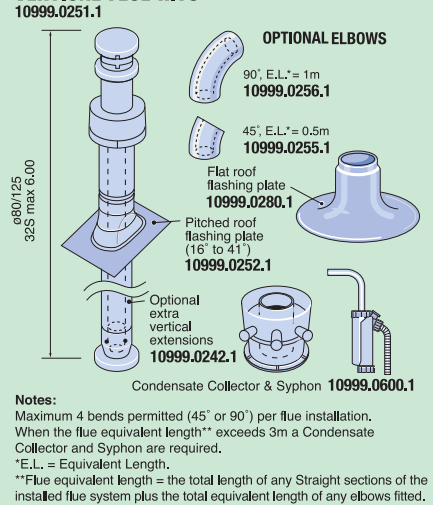
- ADDITIONAL CONCEALED PIPEWORK AND PRE PIPE FIXING KIT ACCESSORIES ARE AVAILABLE
- ADDITIONAL CONCEALED PIPEWORK JIG
- ADDITIONAL PRE PIPE FIXING JIG



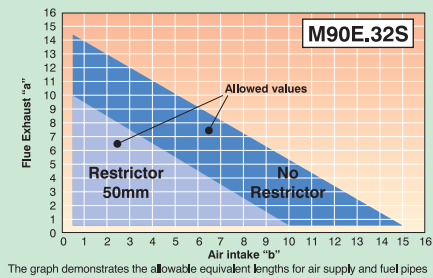
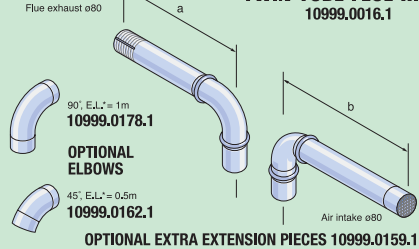
HORIZONTAL FLUE KITS



VERTICAL FLUE KITS



TWIN TUBE FLUE KITS



Condensing Boilers, Italian Style

Biasi UK Limited

Units 31/33 Planetary Road Industrial Estate,
Neachells Lane, Willenhall, Wolverhampton, WV13 3XB
Tel: (Sales) 01902 304304
Fax: 01902 304321
Email: sales@biasi.co.uk
Web: www.biasi.co.uk

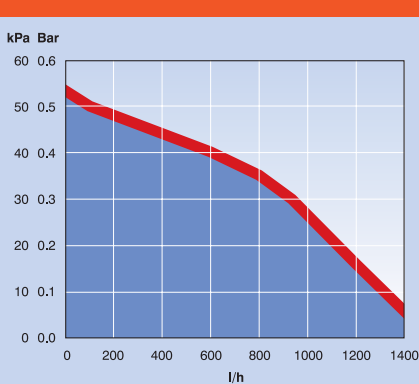


BRITISH GAS SERVICE LISTED

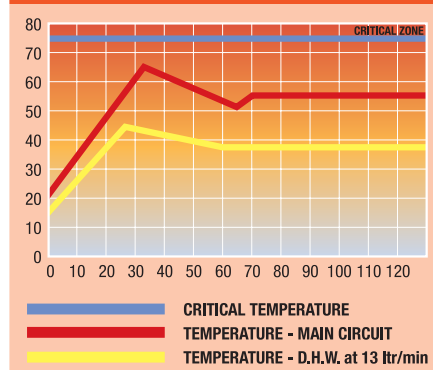


This product has an energy rating B on a scale of A to G.
For more information see www.boilers.org.uk.
This is a certification mark.

AVAILABLE PUMP PRESSURE



TEMPERATURES WITH ANTI-SCALE SYSTEM (Δt = 25 °C)



CUSTOMER SERVICE HELPLINE - FOR TECHNICAL, SERVICE & SPARES
TEL: 01902 304400 FAX: 01902 307160

Our policy is one of continued improvement in both design and performance of our products. Biasi therefore reserves the right to alter or amend any details contained in this brochure and any associated literature without prior notification.