



**BGI Ltd**  
Bio Global Industries

# FEBRUARY NEWSLETTER

Bio Global Industries Ltd — Monthly Newsletter

January / February 2016

## Become an Accredited Installer

BGI are the UK's exclusive distributor of the Kostrzewa range of Biomass Boilers—truly affordable boilers utilizing low cost, sustainable fuels. These boilers are Class 5 Rated and the 48 boilers in the range start at 10Kw and range up to 285kW.

BGI Accredited Installers are fully trained in assessing, installing and maintaining these latest innovative biomass boilers.

By Joining the BGI Partner Programme, all installers undertake a full day of training held at the BGI HQ in Bucks. The day comprises both classroom –style learning and practical installation training in our new Showroom.

As well as in-depth learning about the Kostrzewa range, you will also learn about boilers and fuels that can operate outside of the RHI. BGI are planning for life after RHI with all its rules and regulations on fuel types. Here, we will share with you our research on locally sourced, alternative biomass fuels.

*Continued overleaf...*



Installer Training Day at the BGI Headquarters in Asheridge, Bucks.

*“Due to increasing interest in our Kostrzewa Biomass Boiler Range we will now be running weekly **Installer Training Days** for our ever expanding network of Accredited installers.”*

*- Matthew Hunt, Managing Director, BGI Ltd.*

## In This Issue

- The BGI Accredited Installer Partner Programme
- Introducing the Pellets Fuzzy Logic range from Kostrzewa

# Become an Accredited Installer cont.....

As a fully accredited BGI Partner, you will benefit from:

- ◆ Access to BGI's extensive infrastructure and network
- ◆ BGI guaranteed and certified products
- ◆ Full training on all products and full marketing support



**Our weekly Installer Training Days are held every Tuesday and early booking is essential.**

To secure your place on one of our courses or to find out more about them, please call us on 01494 757055.

Training Certificate awarded to all who complete the Installer Training Day

## Kostrzewa Pellets Fuzzy Logic

This very popular boiler range can provide heat for a single family small house, up to a small farmhouse (15kW up to 100kW). These automated boilers include innovative fuzzy logic and the combustion process is controlled by a lambda probe module which enables up to 40% fuel savings.

### Why Fuzzy Logic?

- ◆ Significantly reduced gathering of soot in the boiler
- ◆ High working temperature eliminates condensation in the boiler
- ◆ Pellets Control Fuzzy Logic regulator selects the power of the burner according to the requirements of each specific building
- ◆ Savings of up to 40% on fuel can be made





The Fuzzy Logic range can burn a wide variety of fuels, as shown above, which have all been fully tested and approved for this innovative boiler.

These boilers have been adapted to combust sawdust pellets, pea coal, oats and wood on an additional grid which is supplied with the boiler.

Pre-loading of pellets into the hopper can enable the device to self-operate for up to 30 days.

#### The inner workings of the Fuzzy Logic Biomass Boiler

- 1 **Exhaust turbulator** additional element in boiler exchanger, which reduces exhaust temperature at boiler outlet.
- 2 **Pellets Fuzzy Logic 2nd generation controller** built-in full weather automatics, all sensors are included in the device's set.
- 3 **Extract fan** besides enhancing stack effect, the extract fan may be coupled during cleaning or picking up ash from exchanger. It does not result in dusts and unpleasant smells escaping to the room, in which device is located (back of the boiler)
- 4 **Retort Fuzzy Logic burner** equipped with three burner tips as standard, as well as the device, which ignites the fuel by means of hot air.
- 5 **Fuzzy Logic 2nd generation adjustment system + broadband lambda probe** fully automatically and more precisely regulates the amount of supplied air, it saves up to 20% fuel.  
**mixing valve actuator** automatic control over mixing valve actuator, measurement of temperature of water returning to boiler.
- 6 **Peephole** allows viewing flame without necessity to open the door.
- 7 **Tank** with large capacity, single feeding is enough for 7 to 30 days<sup>4</sup> of combustion of pellet, pea coal or oats.
- 8 **Loading chamber** large loading chamber allowing wood combustion on grids without extracting burner.
- 9 **Worm made of acid-resistant steel** high resistance to humid work environment, abrasion and corrosion resistance at least 4 years.
- 10 **Pressure fan** separates air into primary and secondary (back of the boiler)
- 11 **Ignition fan** and igniter for automatic ignition of fuels: pellet, oats, pea coal.
- 12 **Gear motor** energy saving gear motor (back of the boiler).
- 13 **Large ash pit** removing ash once in 5 months<sup>5</sup>.



## Contact Us:

Please call us for more information about our biomass boilers, fuels and associated products:

Bio Global Industries

Corporate Centre,

Hunters Oak,

Asheridge, Chesham,

Buckinghamshire,

HP5 2UU

UK

Tel: +44 (0) 1494 757055

[www.b-g-i.co.uk](http://www.b-g-i.co.uk)

[info@b-g-i.co.uk](mailto:info@b-g-i.co.uk)



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