

BENEFITS OF PELLET HEATING

A pellet heating system will take care of 70% of your total household energy requirement – that is all of the heating and hot water in a carbon neutral way!

- Fully automatic control system
- Self igniting
- Self extinguishing
- Carbon neutral emissions
- Programmable timer functions
- Zoning capability (selected models)
- 90 – 96% efficiency
- Easy to install
- Easy to run
- Wide choice of approved appliances
- Cheaper to run than gas, oil or LPG
- Integrates well with underfloor and solar water heating

THINGS YOU SHOULD CONSIDER WHEN CHOOSING AN APPLIANCE

Kw Output

For boiler models you will need approximately 1kw per radiator in the home and 3kw minimum for hot water production to the cylinder. Underfloor heating also needs to be calculated at roughly 1kw per average sized room or 70 to 100 watts per square Metre.

Where Will it Fit

Dimensions of the appliances vary and you should ensure that the space you have allocated is adequate.



Utility or Fireplace Model

Do you have a fireplace and/or an existing chimney? Do you want to have the fire effect in your lounge or kitchen? If so then you may choose from a wide range of room heaters and boilers.

If this is not the case then you may choose to have the 'utility' type installed in a boiler or utility room or even a garage or shed outside.

Feeding Pellets

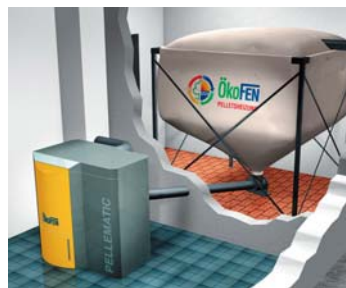
Are you prepared to feed the pellets yourself or would you rather be fully automated? Do you have space for a large fuel store?

Automatic feeding from an external hopper is not available for fireplace models. They have integral hoppers and usually give around 30 – 40 hours of operating autonomy so only need filling once or twice a week manually.



Fully Automated Systems

An 'agricultural' style of boiler in a utility setting can be used to run the whole house for heating and water and would generally cost around £5,000 depending on the type of boiler and size of fuel store. You could build a bespoke fuel bunker to give you automatic feeding for up to a year but there is obviously a further cost involved here; between £2,000 to £3,000 - complete with auger feeding mechanism.



How Much Fuel Will I Need

The average insulated 3 bed home would expect to use 3 to 4 tonnes of fuel per year to run hot water and radiators; for a property of 5 or more beds but with only two occupants you would use around 5 to 7 tonnes of pellets.

How Much Will It Cost

Pellet fuel costs around £130 - £150 per tonne loose and £270 per tonne bagged; not only is it carbon neutral but it is 25 – 30% cheaper than other domestic fuels.

Average Cost of Appliances and Installation

Average appliance costs are £3,500 to £4,500 with installation costs around £500 provided the pipework for central heating and hot water is available at the point of installation; extra plumbing works can be arranged subject to quotation. The Ökofen fully automatic feeding system costs from around £5,500 just for the boiler, in the region of £8,000 to £9,000 to include flexitank storage and fuel feeding mechanism and installation.

Chimney / Flue Requirements

HETAS regulations require all pellet or log appliances to have a chimney or flue. Existing chimneys can often be re-lined to make them safe to use or new stainless steel flues may need to be fitted. The cost of chimney works from our qualified engineers ranges from £500 - £1500.

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Ash Removal & Maintenance

The ash residue with pellet heating is a fine dust potash and can be used as fertilizer in the garden or compost heap however it is a minimal amount as you would only empty the Ökofen boiler once every 6 months! Your appliance will need regular servicing just like any other and maintenance contracts are available.

Other Considerations

Will the new pellet boiler integrate with my existing heating system? Usually the answer is yes, however there may be a requirement for a new hot water cylinder for example if you have been used to combi-boiler.

How Do We Proceed

We will be happy to conduct a feasibility survey for your requirements at a refundable cost of £150 should you choose to go ahead with the installation. If you feel that the ball park figures quoted above are within your budget and you wish to go ahead then please give us a call and we will arrange a survey to suit your convenience.