

NEWS RELEASE

RELEASE DATE: 14 SEPTEMBER 2007
RELEASE REF: BAXI 039



Efficient preparations for the future

“Climate change”; “carbon footprint”; “greenhouse gases”. These phrases have become part of our everyday language. Manufacturers, installers, contractors housebuilders, local authorities and end users all have their part to play in helping to reduce the effects that our homes have on the environment. And with more than a quarter of the UK’s carbon dioxide (CO₂) emissions coming from the energy used to heat, light and run our homes, it is vital that each one of us steps up to the challenge, says Raxa Chauhan, Head of Product Management at Baxi.

High efficiency condensing boilers make the very best use of the fuel used. Not only does this significantly reduce emissions, it also considerably reduces fuel bills. However, the Government’s drive towards reductions in carbon emissions and zero carbon homes by 2016, including the introduction of the Code for Sustainable Homes, means a burgeoning interest in renewable and microgeneration technologies. Early indications are that CERT (Carbon Emissions Reduction Targets), formerly EEC (Energy Efficiency Commitment), will be based on renewable sources of energy and will provide grants for the priority target groups, including the fuel poor.

Solar thermal water heating is the best known and most widely used of the renewable energy products available. The free solar energy of the sun is harnessed using collector panels of evacuated tubes either retrofitted or built into the roof structure of newbuild properties. This heats a glycol mixture that is circulated through a dedicated coil in a specially designed hot water storage cylinder and can provide 50-60% of the annual domestic hot water demand, reducing carbon emissions by up to a tonne per year per property.

Best suited to well insulated properties with underfloor heating, ground source heat pumps take the latent heat from the earth via heat collectors called slinkies, which are buried in the ground. Ground source heat pumps are capable of producing four times more energy than they use during operation and can save around 30 per cent or two tonnes per year of carbon. They are particularly suited for off mains gas areas.

NEWS RELEASE

RELEASE DATE: 14 SEPTEMBER 2007
RELEASE REF: BAXI 039



Biomass boilers use carbon neutral fuel such as pellets, chips or logs from local, regenerated sources to provide sustainable and environmentally friendly heat for the home. The carbon released during combustion is balanced by that absorbed during the fuel's production.

Baxi has a market leading range of SEDBUK Band A rated high efficiency boilers and renewable energy products. It has also looked beyond the current market requirements and is at the cutting edge of future technology development.

Micro CHP (combined heat and power) is a microgeneration unit that uses a Free Piston Stirling Engine to generate electricity in a domestic application, in a casing that is no bigger than a standard domestic boiler.

The unit generates 1kW of electricity per hour for use in the home while it is providing space heating and hot water. Any surplus electricity generated can be sold back to the National Grid.

Successful field trials and laboratory testing have indicated that Micro CHP can offer savings of over one tonne of carbon dioxide and £160 per annum in the average home.

For further information on Baxi's range of high efficiency boilers and renewables, visit www.baxi.co.uk or telephone 08706 060 623.

- ends -

For media information please contact:
Jocelyne Rowan, PR Officer, Baxi
T: 01926 478291 M: 07825 602043 F: 01772 646449
E: jocelyne.rowan@baxi.co.uk

NEWS RELEASE

RELEASE DATE: 14 SEPTEMBER 2007
RELEASE REF: BAXI 039



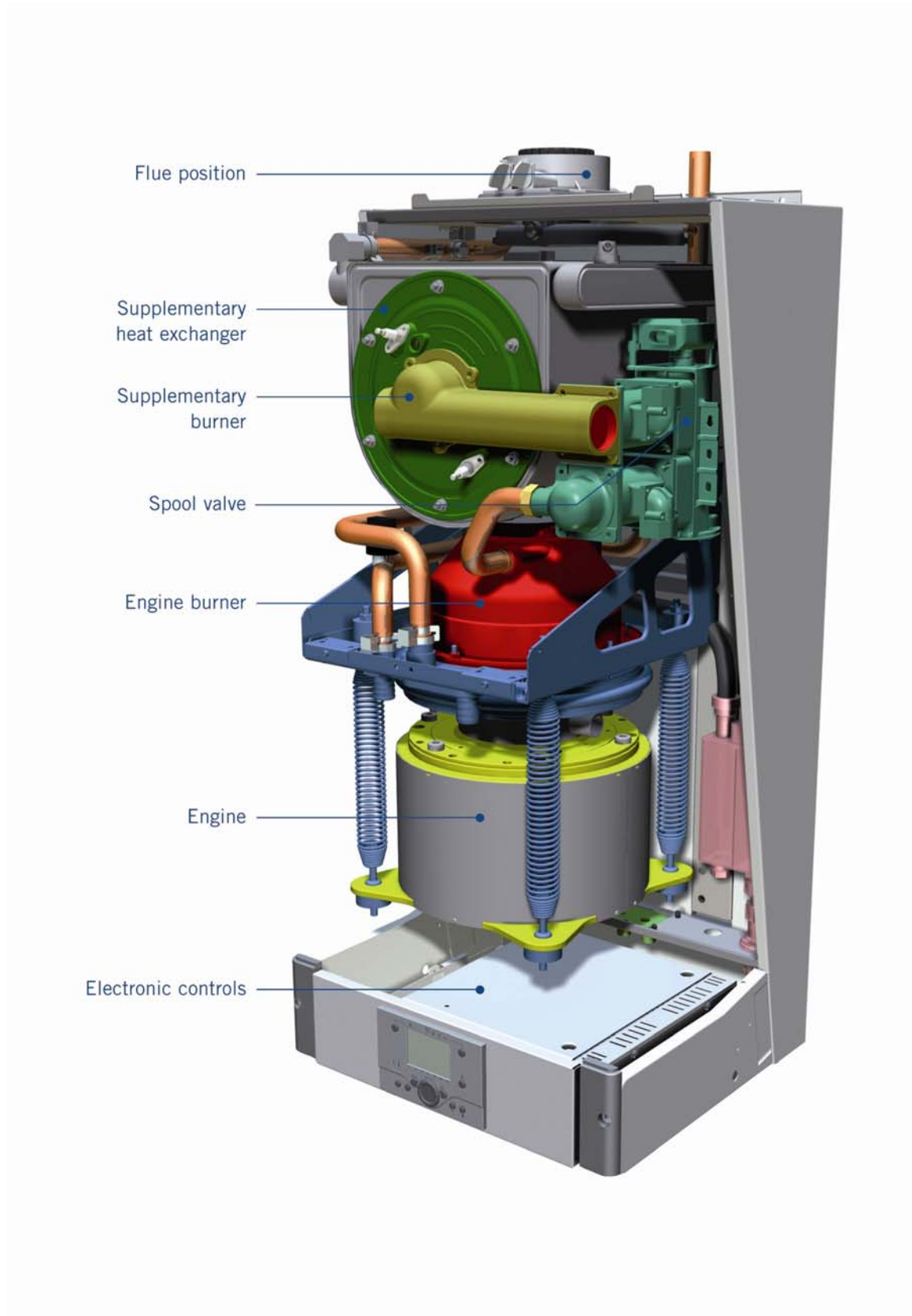
NEWS RELEASE

RELEASE DATE: 14 SEPTEMBER 2007
RELEASE REF: BAXI 039



NEWS RELEASE

RELEASE DATE: 14 SEPTEMBER 2007
RELEASE REF: BAXI 039



NEWS RELEASE

RELEASE DATE: 14 SEPTEMBER 2007
RELEASE REF: BAXI 039



NEWS RELEASE

RELEASE DATE: 14 SEPTEMBER 2007
RELEASE REF: BAXI 039

