

NEWS RELEASE

RELEASE DATE: 26 FEBRUARY 2008
RELEASE REF: BAXI 073



Solarflo – Baxi’s solar thermal domestic hot water system

Why utilise solar energy?

Solar energy is a free, renewable power source which, when harnessed, can be converted into heat to generate hot water for the home. Fossil fuels are not infinite, and prices continue to rise. By exploiting the sun’s energy, domestic carbon dioxide emissions can be reduced and fuel bills cut.

In summer, 100 per cent of the domestic hot water demand can be satisfied using solar collector panels. Even on the greyest winter’s day 100 W/m² can be produced, and the annual average across the UK is 50-60 per cent.

Solar water heating and the home

Solar water heating is the most popular of the renewable technologies that are presently available, because it is affordable, cost effective and uses proven technology.

For best results, the property should have a south facing roof, and not be overshadowed by chimneys or trees. However, it is still possible to carry out an east-west installation by putting a collector panel on each side of the roof to capture maximum energy throughout the day.

Panels can be either on-roof, most common when retro-fitted on existing properties, or in-roof, where the panels are built into the structure of the roof and lie flush with the tiles, generally used for newbuild installations or major roof refurbishments.

Baxi Solarflo can be installed in as little as two days. An initial survey of the site is carried out to ensure the property’s suitability and to determine the capacity of the solar cylinder and number of solar collectors, based on the size of the property and hot water requirements.

At least 30 per cent of the cylinder’s capacity must be dedicated to solar only, and this must be taken into consideration when calculating hot water requirements during winter months when there is little or no solar gain.

NEWS RELEASE

RELEASE DATE: 26 FEBRUARY 2008
RELEASE REF: BAXI 073



The system has a low environmental impact and can reduce the carbon dioxide emissions of the property by up to half a tonne per year. As more people make changes to their lifestyle, and adopt new technologies, such as solar thermal hot water systems, the UK's carbon emissions will continue to fall, as will homeowners' energy costs.

How Baxi Solarflo works

Roof mounted solar flat plate or evacuated tube collector panels absorb and convert free energy from the sun's rays, which heats a mixture of water and glycol. This liquid, entirely sealed within the system, is circulated through solar coil in the base of a specially designed Heatrae Sadia Megatech Solar cylinder. This heats the stored water, which is then available for use at the hot taps.

If necessary, additional hot water can be produced using the conventional boiler and the second coil in the cylinder, or electric immersion heater, depending on the sort of Megatech cylinder installed and fuel type.

The Baxi Solarflo solar thermal domestic hot water system is a complete package including solar collector panels, a Heatrae Sadia Megatech twin coil solar cylinder (optional) and the heat transfer system, along with all the ancillary accessories needed to complete the installation.

Baxi's range of renewable energy products includes Geoflo ground source heat pumps, Ambiflo air source heat pumps, Baxi CHP (combined heat and power) and Biomass boilers.

Baxi offers fully accredited solar installation training and national technical support and after-sales service. The solar cylinder has a 25 year warranty, and the Solarflo collector panels have a 10 year warranty. For more information visit www.baxi.co.uk or call Baxi on 0844 871 1525.

- ends -

For media information please contact:
Jocelynn Rowan, PR Officer, Baxi
T: 01926 478291 M: 07825 602043 F: 01772 646449
E: jocelynn.rowan@baxigroup.com

NEWS RELEASE

RELEASE DATE: 26 FEBRUARY 2008
RELEASE REF: BAXI 073



Baxi in-roof solar panel.JPG



NEWS RELEASE

RELEASE DATE: 26 FEBRUARY 2008
RELEASE REF: BAXI 073

