

British Little Magic Thermodynamic Box



IMPORTANT: This product is currently being installed into domestic properties. Please read the below to familiarise yourself with the Product. Training and/or further details are freely available from the Magic Thermodynamic Box Ltd. Please contact them directly if you require further information.

The System

A thermodynamic unit titled as a 'Solar Assisted Heat Pump' which supplies hot water to a water cylinder night and day, 365 days a year, no matter what the weather. A retro-fit system comprises a Little Magic Box and an External Thermodynamic Panel connected to an existing pressurised or vented cylinder.



Made in the UK



THE INSTALLATION PACK



How It Works

The System works like 'a fridge in reverse'. Refrigerant liquid circulates within the thermodynamic panel which is fixed to an external wall. The panel acts as an evaporator, absorbing energy from the ambient air and environmental energies. This is passed to the refrigerant (R134a) which changes state to a gas. This gas is compressed creating very hot gas in the Little Magic Box and this heats the water that is drawn from the hot water flow from the existing water cylinder. The water is returned to the cylinder via a 'T' into the cold supply pipe to create a full cylinder of hot water up to a temperature of 55°C. This works day and night providing hot water at very low running costs.

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What's inside the Box

All major components are European sourced and the Little Magic Box is manufactured in the Essex, England. The composite water pump and plate heat exchanger are both WRAS approved. Great care and attention to detail makes this a superb product.

Positioning

The Thermodynamic Panel is made of aluminium and is normally fitted to an external wall. Any aspect is suitable. It can be in portrait or landscape orientation.

The Little Magic Box is 'microwave sized' and is positioned as close as possible to the existing water cylinder. It is connected by Teeing into the hot and cold water flows. The Magic Box is pre-gassed with R134a ozone friendly refrigerant for an 8 metre distance between the panel and Box. This can be extended to 15 metres.

Retro-Fitting

The Little Magic Box can be fitted to pressurised and vented water cylinders.

A GLOBUS INSTALLER PACK contains all necessary accessories including vibration pads, flexible hoses, Y-Line filter and lever valves to ensure quiet and efficient performance.

