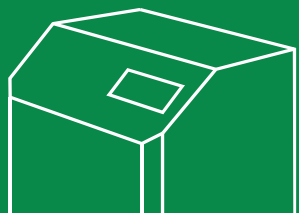


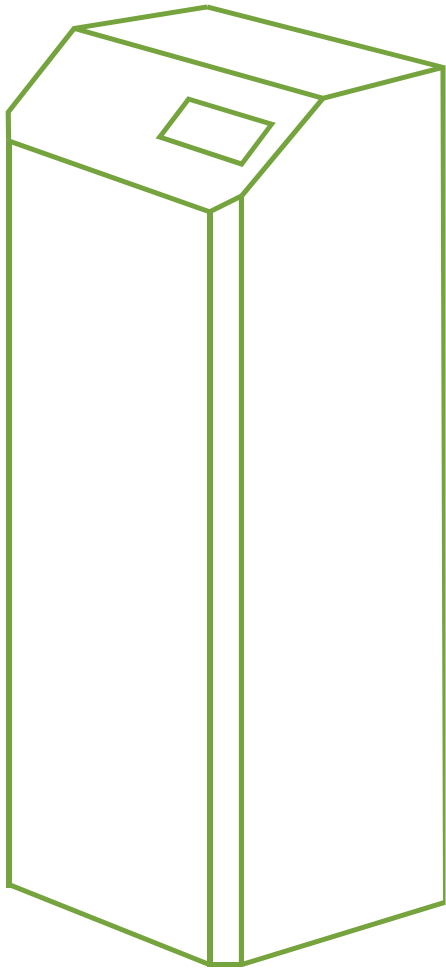
Solar
Assisted
Heat
Pump

eco Maldon
Airconditioning and
Renewable specialists





Unique



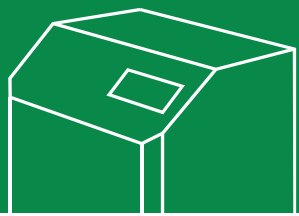
We are pleased to be selling the first UK tested MCS approved thermodynamic hot water storage cylinder to heating water up to 55°C

Over 30 years of engineering expertise go in to make one of the most advanced water heating systems on the market

Achieved MCS Solar Assisted Heat Pump status in the UK

Manufactured in a UK Factory with ISO 9001 certification

Specifically tailored for British homes and the British climate



The marketplace

Table showing advantages of Solar Assisted Heat Pumps over traditional Solar Thermal



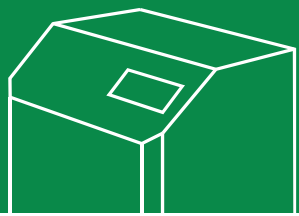
Solar Assisted Heat Pump

Works day and night
Works down to -10°C
Provides up to 100% of hot water requirements
Heats water throughout day, night and all seasons, whenever it's needed
Panel can be fitted south, east or west facing even northeast and northwest
Panel is under 7kg
Aluminium panel is very durable
Can be fitted to a wall or roof
Both sides of the panel absorb energy
Sealed system with R134a gas
Minimal maintenance

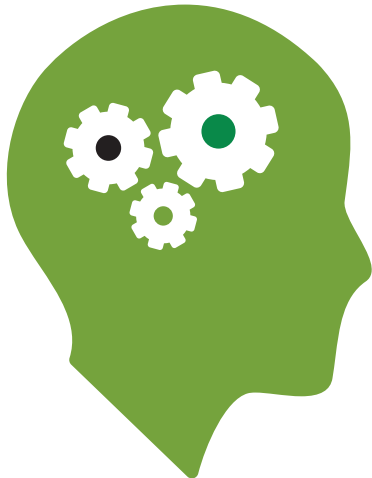
Traditional Solar Thermal

Needs direct sunlight
Will not work at night, with no sun or 0°C
Only provides 30% of hot water requirements
Only heats water in summer and during height of the day, when its not needed
Panel needs to be south facing for maximum results
Heavy panels
Panels made up of fragile glass tubing
Installed on a south facing roof only
Smaller energy collection area
Requires Glycol top-up
High maintenance





The concept



The Big Magic Thermodynamic Box (BMTB) combines our innovative Solar Assisted Heat Pump technology with a 130L and 200L stainless steel, A rated KIWA approved cylinder.



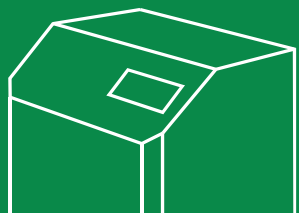
Heats Water Day and Night in all weathers 365 days a year



It is a Fridge in reverse with proven reliability



The panel can be installed on the wall, roof or even inside a loft if the property is listed



How it works



The Aluminium panel circulates the refrigerated liquid where energy is absorbed from the ambient air



This transforms the liquid into a gas, which carries the heat energy to the BMTB



The BMTB compresses the gas which increases the temperature



The spent gas reverts back to a liquid which flows back into the panel, allowing process to repeat



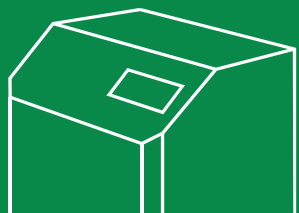
The superheated gas is used in a proprietary heat exchange process to transfer heat to the water within the cylinder



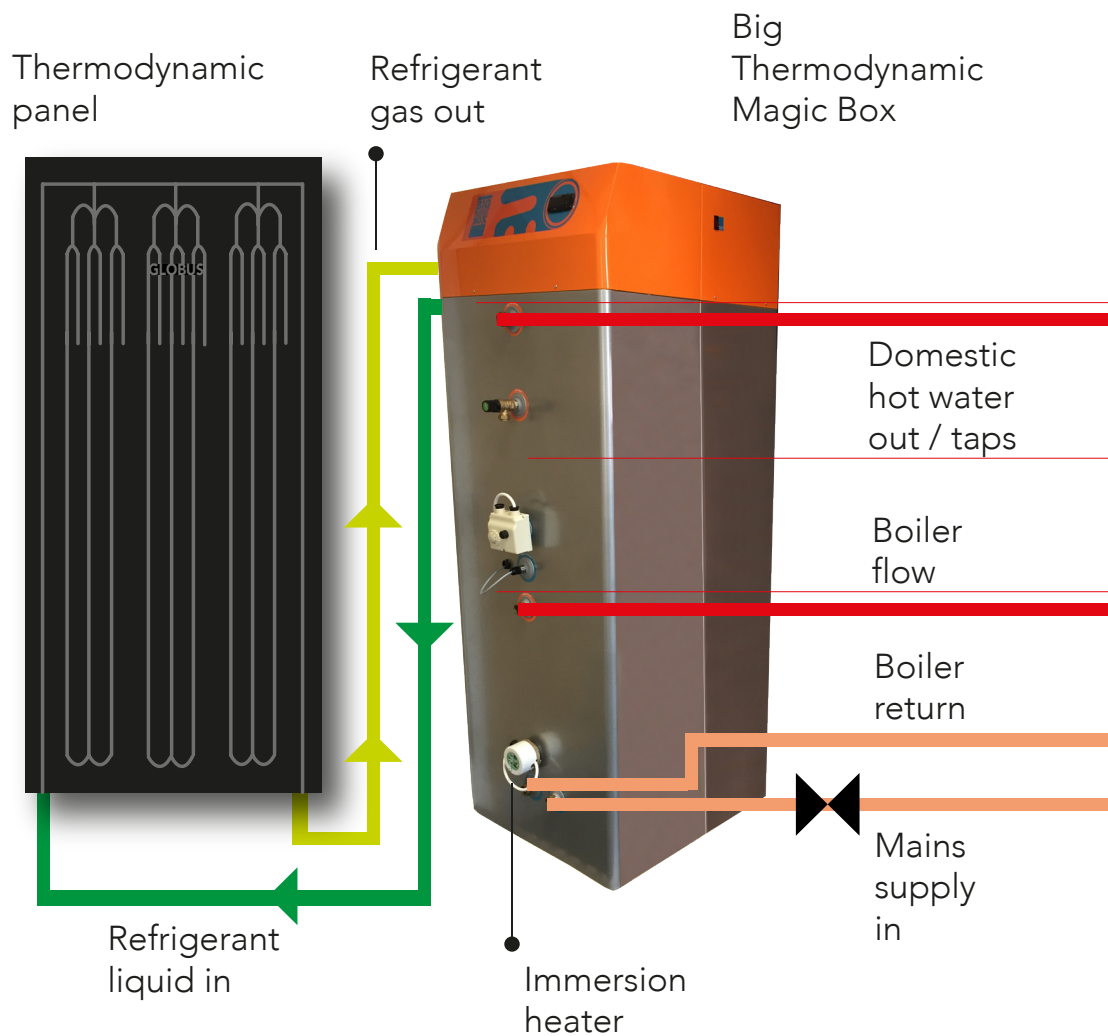
This process continues until the water in the cylinder reaches 55°C

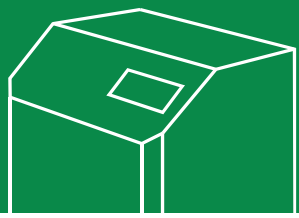


Once this is achieved the system goes into standby

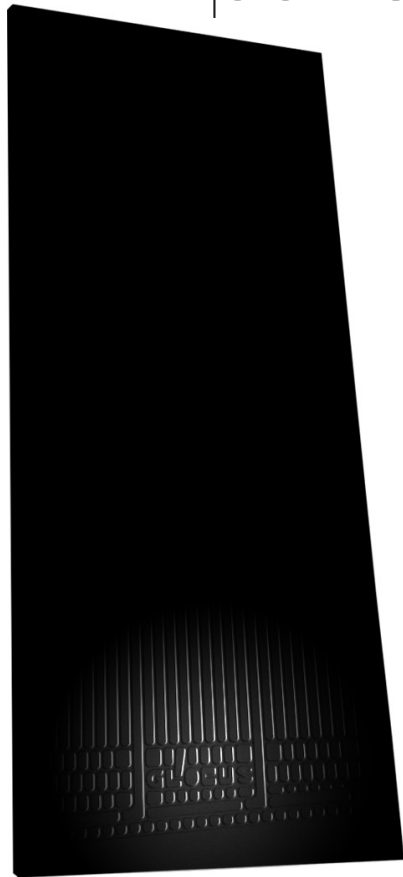


How it works





The panel



Only one panel required for standard domestic installation



Made of roll-bond aluminium



Highly durable (no glass or glycol)



Delivered nitrogen filled



Absorbs energy from ambient air, sunlight, wind and rain



Very light and easy to install



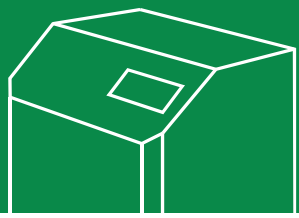
Normally fitted to a wall



Can be fitted to any aspect



Panel is silent in operation



Features and benefits



Installed by fully Qualified Installation teams



Full standard installation in under 1 day



Light aluminium panel



Anti-Corrosion Protection



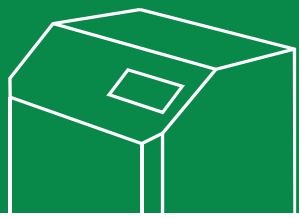
No risk of freezing or over-heating



5 YEAR MANUFACTURERS PARTS GUARANTEE



Works 24 hours a day



Features and benefits



Hot Water up to 55°C



Hot Water in ALL weather conditions, down to -10°C



Hot Water at a fraction of Gas or Electric system costs



More efficient than 'Traditional Solar Thermal' panels



Suitable for residential property or commercial premises



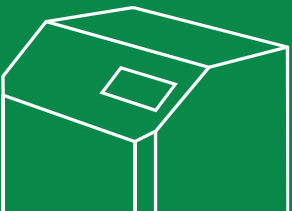
Sizes available for small to large property types



Replaces existing cylinder, creating an all in one solution to your hot water requirements



Automatic weekly anti-legionella cycle



What
happens
next

**STEP
ONE**



Assessor's visit

**STEP
TWO**



Surveyor's visit

**STEP
THREE**



Installation

**STEP
FOUR**



Post inspection visit