British Little Magic Thermodynamic Box

LMTB Specifications

LMTB

- Casing: 1.2mm Zintec, polyester power coated: textured cream white RAL 9010
- Chassis Base: 1.6mm galvanised steel
- Sound reduction foam on casing & chassis
- Install to a flat, even, secure surface with appropriate fixings & Anti-vibration mounts
- Suitable for enclosed spaces
- Water pipework connections 22mm

Thermodynamic panel

- Aluminium panel powder coated with a hydrophobic coating applied.
- Fix the panel with Brackets supplied
- Pipework requires insulation
- Refrigeration pipework connections ⅜" & ¼"

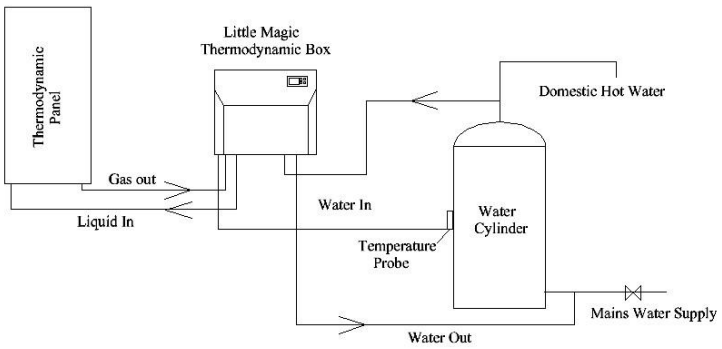
Controls

- Digital temperature readout
- Internal High Pressure switch

Performance	Unit	
Output (Max.)	kW	2.20
Consumption (Min.)	kW	0.45
Efficiency (Max.)	%	400
Max. Water Temperature	°C	55
Dimensions and weight		
Height	mm	310
Width	mm	511
Depth	mm	442
Weight	Kg	30.1
Connections		
Water Flow	Inch	¾"
Water Return	Inch	¾"
Refrigeration Input	Inch	⅜"
Refrigeration Output	Inch	¼"
Power Supply	V / ph / Hz	230V / 1 / 50
Key components		
Compressor Type	Hermetically sealed	
Refrigerant Type	R134a	
Condenser Type	Stainless Steel - Plate heat exchanger	
Evaporator Type	Aluminium-Thermodynamic panel	
Pump	Potable Water Compliant (WRAS approved)	
Operating conditions		
Max. operating current	A	13
Refrigerant Charge	Kg	0.700
Sound Level	dB	32
Flow rate	l/min.	8.33
Max. Operating pressure	Bar	8

How it Works

The product works on the principles of thermodynamics where a compressed hot refrigerant gas from the compressor passes through the heat exchanger (condenser) which then transfers the heat into the hot water cylinder. During this process hot refrigerant gas turns into a liquid which is passed through the thermodynamic evaporator panel where it absorbs heat from the outer environment and then repeats the process until the hot water reaches 55°C. Due to the uniqueness of the direct gas evaporation principle more heat can be absorbed effectively and efficiently through the external thermodynamic collector day and the night in all climate conditions.



Magic Thermodynamic Box Ltd is a UK company specialising in the manufacture and distribution of quality renewable energy products. Based in Essex, England the company was founded to provide green, environmentally friendly products to improve the environment and resist climates change.

Magic Thermodynamic Box Ltd
Tel: 0844 9671500

E-mail: enquires@magicthermodynamicbox.com
Web: www.magicthermodynamicbox.com

WRAS APPROVED PUMP

CE

Magic Thermodynamic Box