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 %"
 ½"

Controls

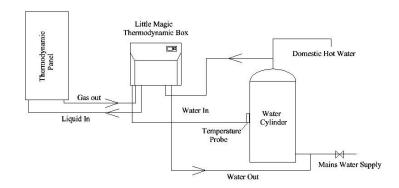
- · Digital temperature readout
- · Internal High Pressure switch



Output (Max.)kW2.20Consumption (Min.)kW0.45Efficiency (Max.)%400Max. Water Temperature°C55Dimensions and weightHeightmm310Widthmm511Depthmm442WeightKg30.1ConnectionsWater FlowInch¾"Water ReturnInch¾"Refrigeration InputInch¾"Refrigeration OutputInch¼"Power SupplyV / ph / Hz230V / 1 / 50Key componentsV/ ph / Hz230V / 1 / 50Compressor TypeHermetically sealedRefrigerant TypeR134aCondenser TypeStainless Steel - Plate heat exchangerEvaporator TypeAluminium-Thermodynamic panelPumpPotable Water Compliant (WRAS approved)Operating conditions	Performance	Unit	
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Pump Potable Water Compliant (WRAS approved) Operating conditions			
Operating conditions (WRAS approved)			
Operating conditions			
	Operating conditions		
Max. Operating current	Max. operating current	A	13
Refrigerant Charge Kg 0.700		Kg	0.700
Sound Level dB 32			
Flow rate I/min. 8.33			
Max. Operating pressure Bar 8	Max. Operating pressure		

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.

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