

Thermal Low Pressure Integrated Heat Exchange System

Smart Energy Management

Safe | Reliable | User-friendly

Why use a heat exchange system?

- Water heating contributes to a large portion of a households energy consumption, accounting for up to 60%.
A heat exchange system can reduce this portion of a households electricity consumption by 75%.
- By replacing the traditional water geyser element with a heat exchange system you can produce 3kW of heating with 750W of energy consumption.

How does it work?

- A thermal low pressure integrated heat exchange system is designed to reduce electricity consumption by harnessing ambient heat in the atmosphere and transferring this heat to the water stored in the insulated water tank.
- The low pressure insulated water tank acts as a hot water battery that stores water at 60° Celsius. This water remains in the tank to heat water that is passed through the system. The high pressure water supplied by the water mains, enters the hot water tank through a heating coil placed inside the stored hot water and this is where the heat exchange takes place. By the time the water exits the heating coil it is up to temperature. The heat pump monitors the temperature of the water inside the water storage tank and regulates it to maintain the pre-determined temperature.



5 YEAR WARRANTY

Model: MAG-TH200DT Wi-Fi



Low pressure system
No risk of geyser explosion



Internal heating coil



3KW heating capability using
750w consumption



No limescale build-up



Wi-Fi Monitoring



IP65 rating for outdoor
installation



Solar ready

Technical Data

MODEL	EMS-TH200DT		
Heating Method	Heat Pump	Heat Pump & Element	Element
Rated Input Power (kW)	0,765	2,765	2
Rated Heating Capacity (kW)	3	4,8	1,8
Rated Current (A)	3,5	12,6	9,1
Power Supply		220 - 240V / 50Hz	
Auxiliary Heater		Element 2kW	
Refrigerant		R-410A	
Water Tank Empty Volume (L)		220L	
Water Tank Material		Roto Moulded Plastic	
Water Inlet Connection		3/4" BSP	
Water Outlet Connection		3/4" BSP	
Insulation Thickness		50mm	
Water Heating Coil Pressure rating		1000kPa / 10 Bar/ 145psi	
Tank Pressure		Atmospheric	
Water Heating Coil Material		304 Grade Stainless Steel	
Condenser Coil Material		316 Grade Stainless Steel	
Water Max. Output Temperature		60°	
Solar Compatible		Yes (Coming Soon)	
Air Duct Size		180mm	
Fan Motor Type		ø190X80	
Fan Power Input		25W	
Evaporator Size		400mm x 355,6mm x 44mm	
Height of Water Inlet & Outlet		1335mm	
Overall Dimensions (LxBxH)		798mm x 659mm x 1781mm	
Unit Weight		92kg	



Contact our friendly and efficient team to discuss an energy solution that fits your lifestyle.

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