

# Heat Recovery System

Keep energy use optimised



ENERGY SAVING

  
**Milkplan**<sup>®</sup>  
FARMING TECHNOLOGIES

## MP EcoHeat

### Heat Recovery System (200 - 1.000lt)

MP EcoHeat is an environmentally friendly, reliable and highly cost-effective solution for water heating. It uses the heat produced by the milk cooling tanks' refrigeration units to constantly heat fresh water with no energy consumption or further cost.

The hot water produced may be used to meet the needs of any livestock and cheese production unit, e.g.:

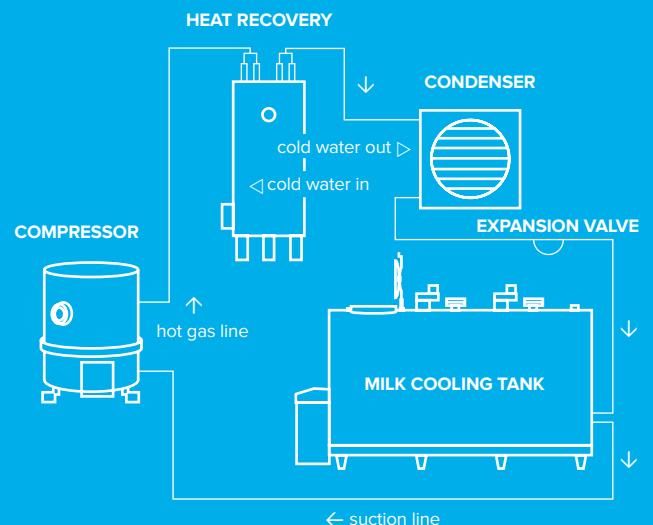
- To clean the milking system before and after the milking process.
- To wash the milk cooling tank.
- To cover the needs of the staff.
- To wash the entire unit equipment.

MP EcoHeat is available in 7 models with capacities from 200 to 1,000lt, which can heat water up to 70° C.



### Technical specifications

- Made of stainless steel AISI 304 (DIN 1.4301).
- 50mm thick thermal insulation.
- Temperature indicator installed on the tank.



## Operating Features

- Constant hot water supply with no electricity consumption.
- Cost & energy saving.
- Fast amortization.
- Anti-corrosion protection and electrolysis prevention with the appropriate anode electrode.
- Special-type two-elements thermal insulation with environmentally-friendly, high-density polyurethane foam.
- Easy cleaning thanks to its elevated stainless steel legs.
- Simple replacement of resistance and mechanical thermometer (if needed).
- Connection with up to 4 different cooling circuits.
- Maintenance-free.



## Plus

- Electric resistance so as the heat recovery unit can also be utilized as a boiler. A three-phase electric resistance of sufficient power (4 - 6.5 KW) is provided, so that water heating is possible even if the cooling unit is not operating.
- Safety valve, 6bar.
- Option of construction with the pipes underneath the tank.



Model	External tank diameter	External tank height	Total height (with base)	Total area of heat exchangers	Maximum applicable power	Recommended size of milk cooling tanks
EH 200	620	1170	1720	0,78	13	MPP 1000 - MPP 2000
EH 300	660	1500	1950	1,22	25	MPP 3000 - MPP 4000
EH 400	830	1150	1700	1,22	30	MPP 3000 - MPP 4000
EH 500	830	1400	1950	1,63	40	MPP 5000 - MPP 6000
EH 600	830	1650	2200	2,09	50	MPP 5000 - MPP 6000
EH 800	1000	1490	2050	2,11	55	MPP 8000
EH 1000	1000	1890	2500	3.00	60	MPP 10000- MPP 20000
	mm	mm	mm	m <sup>2</sup>	kW	



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