

# Bulk Milk Cooler with Ice Backup

This system has an in-built cooling backup and eliminates the need of a diesel generator with 10 hours of grid power availability any time of the day.

It provides up to 2 times faster cooling than traditional milk coolers to achieve 10 °C, resulting in better milk quality and increased shelf life. Its design is based on ISO 5708 standards. Ice based cooling ensures that milk never freezes even when milk is below agitator level. The entire system is automatic and doesn't require user intervention.

Off-grid integration of solar photovoltaics panels is also available for enabling use of solar energy. It automatically switches over to grid electricity during sub-optimal solar conditions.



## Features

### UNINTERRUPTED COOLING

1-2 days of cooling autonomy during cloudy conditions or grid outages

### CHEMICAL FREE ENERGY STORAGE

Water is used as energy storage to maintain highest safety standards

### 3 °C MILK TARGET TEMPERATURE

Reduces bacteria count & improves milk quality

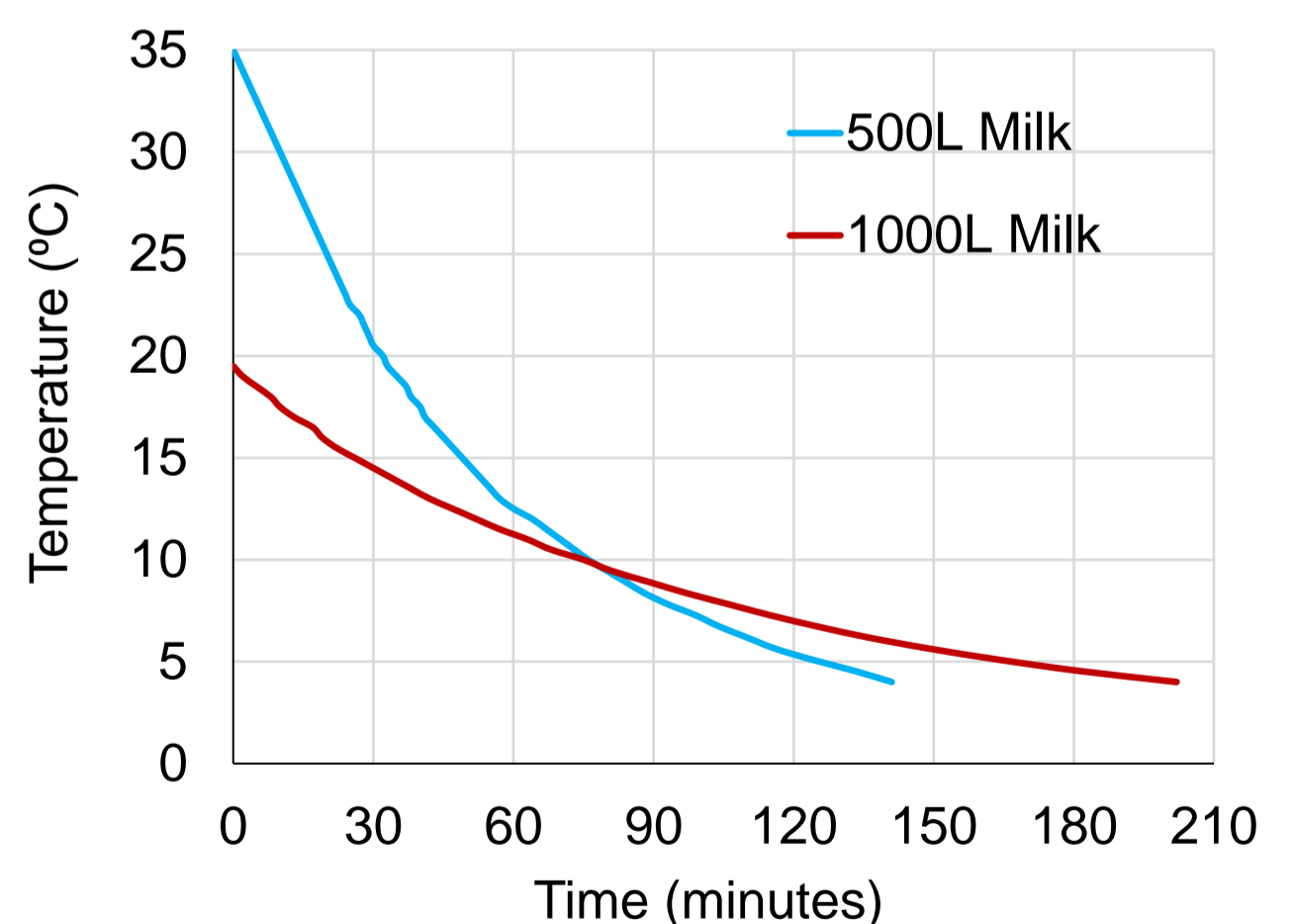
### NO MILK FREEZING

No chances of milk freezing even with lower milk capacities

## Specifications

Description	500 L	1000 L
Gross capacity of milk tank	550 L	1100 L
Rated daily cooling capacity	500 L	1000 L
Cooling Performance	ISO 5708 Class 2All	
Cooling backup capacity	1000 L	1000 L
Thermal storage outer body	AISI SS 304	
Power requirements	3 kVA	5 kVA
Refrigerant	R404a	
Off grid solar integration	Available	

## Cooling Performance



### Notes:

1. Data shown in the brochure is based on thermal storage system fully charged and no grid electricity available

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