



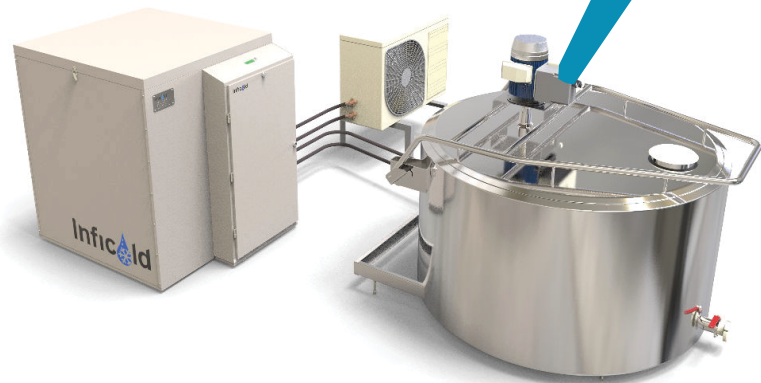
# ColdVault<sup>TM</sup>

## Uninterrupted & Affordable Thermal Energy Storage for BMC

BULK MILK COOLER

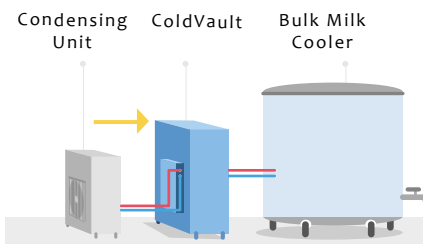
### Cooling when required most

Due to power outages, all bulk milk coolers rely on diesel generators, which are expensive to operate. Inficold's Thermal Storage Solution (TSS), ColdVault provides most affordable, intelligent, and retrofittable cooling backup for bulk milk coolers. This patented product has fast payback period.



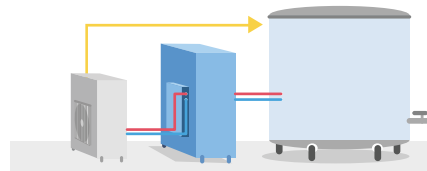
### How it works?

#### Charging Mode



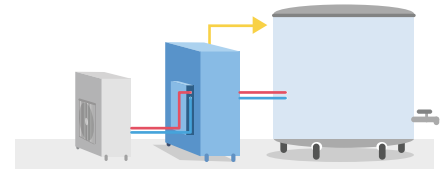
When electricity is available and cooling is not required, condensing unit uses electricity to generate cooling and ColdVault stores it in a phase change material to provide cooling for later use

#### Direct Mode



When electricity is available and cooling is required, condensing unit uses electricity to generate cooling (bypasses ColdVault) for immediate usage

#### Discharging



When electricity is not available and cooling is required, ColdVault automatically provides cooling from the storage without user intervention

# Why ColdVault



## UNINTERRUPTED

24-hours of backup with only 8-hours of electricity



## LOW OPEX

Cheaper than DG sets  
3x longer life than batteries



## TURBO COOLING

Provides faster cooling than traditional systems



## IOT ENABLED

Direct access to critical milk data & analytics 24x7



## VERSATILE

Allow direct cooling  
Partial charge / discharge

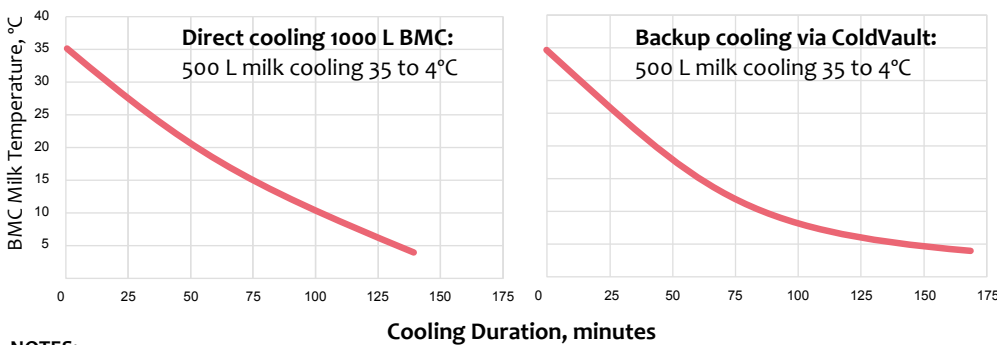


## RETROFITTABLE

Retrofit to existing BMC  
Lower capital cost

## Performance

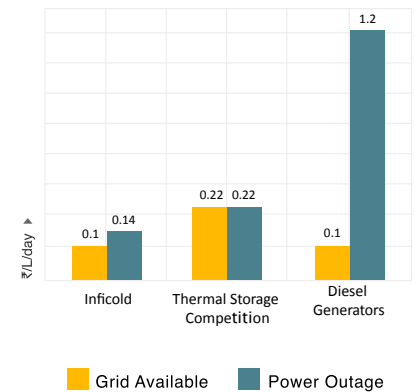
### Cooling performance meet ISO 5708 Class 2A II\*



#### NOTES:

\* Under standard operating conditions

### Opex/Savings for 1000 L BMC\*



## Product Specifications

Models	Capacity BMC	Dimension	Dry Wt.	Cooling Backup Capacity (35-4 °C)	Cooling Storage	Charging <sup>2</sup> Duration	Remote Monitoring	Refrigerant	Power Supply
CVM-500	500 L	5' x 3.6' x 4.5'	250 kg	1000 L	31,000 kCal	5-6 hrs	Optional	R404A	1 or 3 Phase
CVM-1000	1000 L	5' x 3.6' x 4.5'	250 kg	1250 L	39,000 kCal	7-8 hrs	Optional	R404A	1 or 3 Phase

#### NOTES:

- Specifications are subject to change without any prior notice
- Charging time depends on the compressor and the ambient conditions



Confederation of Indian Industry

Innovative Energy Product Awardee in National Award for Excellence in Energy Management



Top Indian social enterprises at Action for India,



Platinum Awardee at NEW ENERGY global cleantech startup fest - akhstan



Best Social impact oriented early stage venture at Wharton SF Social Impact Conf.,