

 Krishna Allied Industries Pvt. Ltd.

# BMC

(Bulk Milk Cooler)

Automization



## Bulk Milk Cooler Design

Open type/closed type milk tank, as per ISO 5708 Type 2A II (latest version) standard.

### Key Features

- Direct Expansion Type
- Hi-tech Indian design
- Energy efficient condensing unit gives fastest cooling, saves energy
- Easy to Install, Easy to Operate, Easy to Maintain
- Multiple Cooling Circuits for efficient cooling
- Advanced Microprocessor controlled system for optimized cooling efficiency
- Advanced and User Friendly electronic control system and digital Indicators
- Eco-friendly Auto CIP system-saves water and energy



**Open Vertical Tank (OVT)**  
Capacity: 350 Ltrs



**Open Vertical Tank (OVT)**  
Capacity: 500 Ltrs



**Open Vertical Tank (OVT)**  
Capacity: 1000 Ltrs



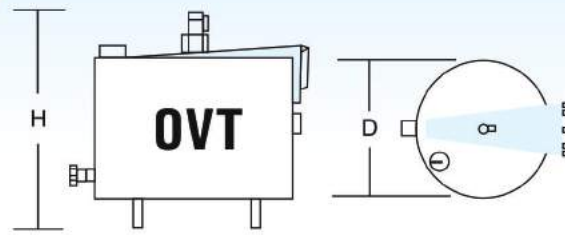
**Open Horizontal Tank (OHT)**  
Capacity: 2000 Ltrs



**Closed Elliptical Tank (CET)**  
Capacity: 3000, 5000 Ltrs

## Technical Data

### Open Vertical Tank (OVT)



#### 350 Ltrs Capacity Bulk Milk Cooler

Model	Diameter(D)	Height(H)
OVT350	860 mm	1250 mm



#### 500 Ltrs Capacity Bulk Milk Cooler

Model	Diameter(D)	Height(H)
OVT500	1030 mm	1390 mm

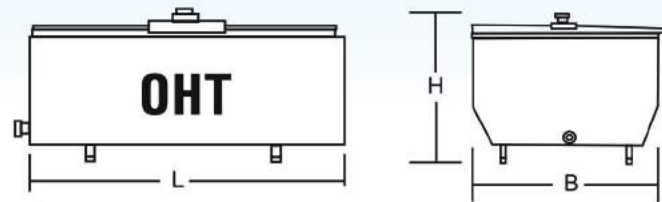


#### 1000 Ltrs Capacity Bulk Milk Cooler

Model	Diameter(D)	Height(H)
OVT1000	1425 mm	1400 mm



### Open Horizontal Tank (OHT)

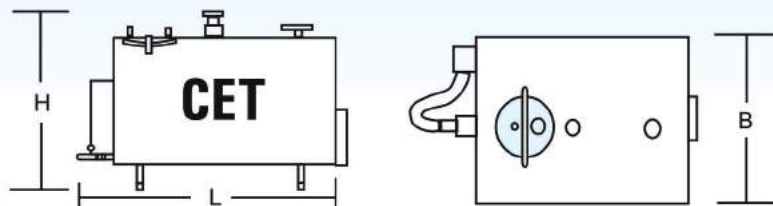


#### 2000 Ltrs Capacity Bulk Milk Cooler

Model	Length(L)	Width(B)	Height(H)
OHT2000	1800 mm	1600 mm	1600 mm



### Closed Elliptical Tank (CET)



#### 3000 Ltrs Capacity Bulk Milk Cooler

Model	Length(L)	Width(B)	Height(H)
CET3000	2550 mm	1470 mm	1690 mm



#### 5000 Ltrs Capacity Bulk Milk Cooler

Model	Length(L)	Width(B)	Height(H)
CET5000	3400 mm	1670 mm	1800 mm

## Condensing Unit

- As per ARI Standard 520-2004 & ISO 5708 Type 2A II (latest version).
- Available in single phase and three phase.
- Air-cooled condenser with copper tubing.
- Hermetically sealed Reciprocating/Scroll compressor.
- Freon-22/CFC free refrigerant. Compressor compatible for the futuristic refrigerant like R 407 C.





## Tank Evaporating Plate

- SS 304 Laser welded.
- In case of rectangular/circular type bulk milk cooler, the evaporator has been fixed at the bottom plate of the inner tank.
- For closed tank, the evaporator has been up to 1/3 height of the tank.
- In case of two condensing unit, total evaporative area has been divided and separated into two sections.



## Milk Tank Control Panel

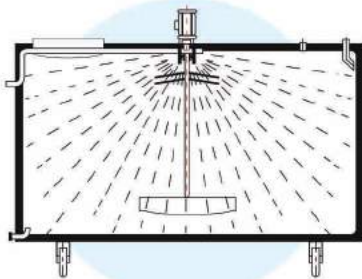
- Wall/Tank mounted control panel.
- LCD 0° to 100°C Temperature Display with one decimal accuracy.
- RS 232 connectivity for temperature data transfer.

## Refrigeration Control Panel

- Wall mounted control panel.
- UV/OV trip facility.
- Neutral protection unit.
- Timer On-Delay facility.
- Auto/manual mode (selector switch) facility.



## CIP By Using Spray Ball/Disc Type Arrangement



## Milk Tank Agitator

- Energy efficient • Light weight • Adjustable RPM of Agitator



## Optional features of Bulk Milk Cooler

- Ultrasonic sensor / Pressure sensor for milk level sensing.
- Automatic Power Monitor.
- Onboard system diagnostic facility to know health of system.
- Electronic automatic calibration unit attachment.

*Now, Time has come to adopt cutting edge technology in your BMC (Bulk Milk Cooler).*

## Introducing: BMC (Bulk Milk Cooler) Automization

### Highlights of Key features

- Auto alert for Milk Tank Tilting
- Auto Data Transmission
- Auto Flush System
- Auto CIP (Cleaning in Place)



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