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

<table>
<thead>
<tr>
<th>Model</th>
<th>Diameter(D)</th>
<th>Height(H)</th>
</tr>
</thead>
<tbody>
<tr>
<td>OVT350</td>
<td>860 mm</td>
<td>1250 mm</td>
</tr>
</tbody>
</table>

500 Ltrs Capacity Bulk Milk Cooler

<table>
<thead>
<tr>
<th>Model</th>
<th>Diameter(D)</th>
<th>Height(H)</th>
</tr>
</thead>
<tbody>
<tr>
<td>OVT500</td>
<td>1030 mm</td>
<td>1390 mm</td>
</tr>
</tbody>
</table>

1000 Ltrs Capacity Bulk Milk Cooler

<table>
<thead>
<tr>
<th>Model</th>
<th>Diameter(D)</th>
<th>Height(H)</th>
</tr>
</thead>
<tbody>
<tr>
<td>OVT1000</td>
<td>1425 mm</td>
<td>1400 mm</td>
</tr>
</tbody>
</table>

Open Horizontal Tank (OHT)

2000 Ltrs Capacity Bulk Milk Cooler

<table>
<thead>
<tr>
<th>Model</th>
<th>Length(L)</th>
<th>Width(B)</th>
<th>Height(H)</th>
</tr>
</thead>
<tbody>
<tr>
<td>OHT2000</td>
<td>1800 mm</td>
<td>1600 mm</td>
<td>1600 mm</td>
</tr>
</tbody>
</table>

Closed Elliptical Tank (CET)

3000 Ltrs Capacity Bulk Milk Cooler

<table>
<thead>
<tr>
<th>Model</th>
<th>Length(L)</th>
<th>Width(B)</th>
<th>Height(H)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET3000</td>
<td>2550 mm</td>
<td>1470 mm</td>
<td>1690 mm</td>
</tr>
</tbody>
</table>

5000 Ltrs Capacity Bulk Milk Cooler

<table>
<thead>
<tr>
<th>Model</th>
<th>Length(L)</th>
<th>Width(B)</th>
<th>Height(H)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET5000</td>
<td>3400 mm</td>
<td>1670 mm</td>
<td>1800 mm</td>
</tr>
</tbody>
</table>

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) Automation

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