



## Closed Vertical Milk Cooling Tank



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+55 49 3664.6100

# CLOSED VERTICAL MILK COOLING TANK

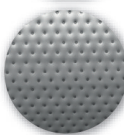
Cooling and greater storage of milk in the smallest space.



**Innovative display with touch screen** and real animations of the running processes.



**Highly efficient and economical Upper Clean Reafrio** cleaning system.



**Cooling by direct expansion** through four chambers manufactured in an automated process, ensuring uniform cooling.



**Rotary spray** with feeder tube self-cleaning system.



**Inspection lid with hermetic closure and sample taker.**



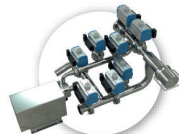
**Electronic measurement:** Electronic indicator, indicates the volume of milk to the Head System that controls agitation and cooling.



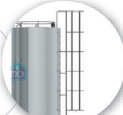
**Stirrer** with speed variation system based on milk volume.



The system has its **own buffer**, with a capacity of 100 liters, allowing connection to **any milking system**.



Set of **automatic pneumatic valves** responsible for the operations of the milk intake and cleaning systems.



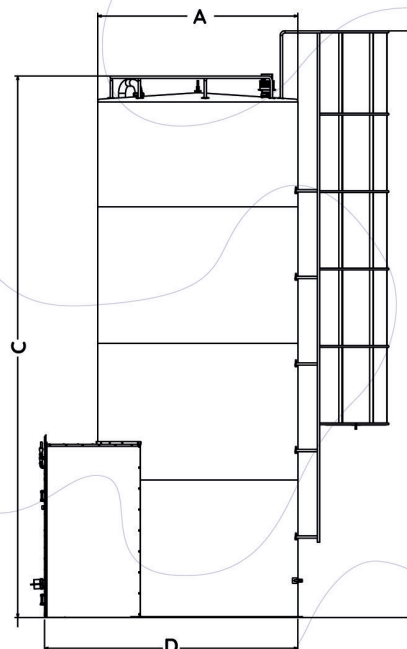
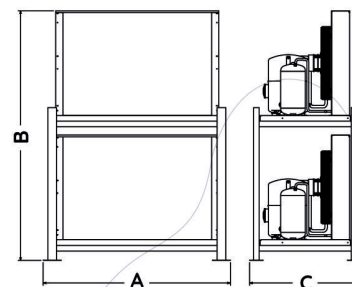
Sailor-type **ladder** with handrail, designed by **NR-12, NR-18, and NR-35** standards.



**Head System Reafrio** - software that manages the Upper Clean Reafrio cleaning system, and controls refrigeration and homogenization.

## ✓ Technical Features

- **Programmable Logic Controller (PLC)**, which guarantees safety and peace of mind in temperature control;
- The safe **electrical system** protects against power outages or phase failure;
- Meets the classifications related to its construction and operation, according to **ISO 5708**;
- **Thermal insulation** in high-density polyurethane with 100mm thickness in 100% of the cooler;
- **An intelligent cooling system** that activates the cooling units according to volume and milk;
- A **shelter** that allows the allocation of the entire cleaning drive assembly and access to the cooler's inspection lid;
- **Activity history**: for anomalies that are registered by the software, possible solutions will be presented. All anomalies and executed commands are recorded for future analysis;
- **Electronic gas control** improves system performance and protects condensing units (15000 and 20000-liter models only).



**Resistant to severe weather conditions**



## Chassis Measurements

Capacity	A	B	C
10,000-liters	1359	1608	567
12,000-liters	1659	1947	988
15,000-liters	1659	1947	988
20,000-liters	1659	2210	988

All milk coolers have four condensing units and two chassis each.

**A:** chassis width;

**B:** chassis height;

**C:** Chassis depth.



## Measurements Milk Cooling Tank

Capacity	A	B	C	D
10,000-liters	2000	5540	5043	3580
12,000-liters	2000	6396	5893	3580
15,000-liters	2200	6445	5945	3775
20,000-liters	2400	6790	6112	3988

Milk cooling tank measurements in millimeters

**A:** External diameter;

**B:** Height of milk cooling tank with ladder;

**C:** Height of milk cooling tank with handrail;

**D:** Milk Cooling Tank depth;

## ⚡ Voltage

**Single-phase** 220Vca

**Three-phase** 220Vca

**Three-phase** 380Vca

\*Single-phase voltage only for the 10,000-liter model.

