

# Autonomous 100% solar mini-tank of 50 liters

*With photovoltaic power supply and cold storage by Ecotainer®*



## Battery-free operation

Specially designed for small producers, easily transportable, Freecold mini tank is a "2 milkings" model for refrigerating and storing milk. Its high cooling power allows it to lower the volume of one milking to a temperature of 4°C in 3 hours with an outside temperature of 30°C.

The outer body of the double-walled tank is rotomolded in an unbreakable impact-resistant plastic and injected with polyurethane foam to limit heat losses. Placed between the tank and the outer body, the evaporator is embedded in the patented Freecold Ecotainer® gel to ensure without batteries, cooling of the evening milking and quality of the cold during the night. A stirring paddle allows the temperature and fat in the tank to be homogenized without foaming. The whole system is protected by a patent application.

The 450W power refrigeration unit is placed under the tank. Perforated side covers allow heat to escape from the refrigeration unit and prevent small animals and rodents intrusion.

Outside of lactation periods, the mini tank can refrigerate food products, drinks or juices in particular, vaccines, drugs, or veterinary products.

A structure supplied as an optional kit, to support solar panels, will serve as a shade or shelter for the sale.

## Optimal hygiene

The 50-liter milk tank is made of aluminum for better cooling transmission. It has a smooth inner wall and rounded corners for optimal hygiene conditions.

An automatic germicidal device with UV-C ultraviolet radiation, is enough by a simple exposure of a few minutes, to disinfect the tank to more than 99% of bacteria and viruses such as E. Coli or salmonella. It is complemented by a tank temperature display for better control.

## The solar power supply

Three photovoltaic modules of European origin and a total power of 825Wp are delivered with their support to be fixed on roof and pre-installed electrical wiring for easy and quick commissioning.

## Special features

- ✓ Design adapted from EN 13732 and ISO 5708 standards for milk tanks
- ✓ External dimensions: Ø60 x H 85cm
- ✓ Unit packaging: 1 pallet 120 x 80 x H185 cm - 150 kg

