

SAVE ENERGY WITH THE FULLWOOD PACKO ECO-TUBE RANGE

Fullwood Packo



The **Fullwood Packo Eco-tube tubular cooler** is installed in the milk delivery line between milking parlour or robot and the milk cooling tank and connected to spring or ice water. The milk enters pre-cooled in the milk cooling tank.



Benefits

Energy benefits

- Heated water free of charge (!)
- A considerable energy-saving when using spring- or tap water for the pre-cooler!
- A decrease in energy consumption up to 50% when cooling the milk.

Quality benefits for the milk

- By cooling the milk immediately, bacterial growth is greatly reduced
- Lower mixing temperature in the tank at the 2nd and subsequent milking breaks reduces the risk of bacterial formation
- No seals, the milk only comes into contact with the stainless steel, so no pollution or contamination. Extremely reliable with respect to the plate cooler or bundle tube cooler.

Technical benefits

- Construction entirely out of stainless steel
- Easy to clean, the Packo Eco-tube is rinsed at the same time as the milk installation and does not have to be disassembled
- Different connections possible
- Compact design
- Large range of pre-coolers that meets all requirements

Financial benefits

- The heated water can serve as drinking water for the cattle. This leads to a higher milk production. The animals like the lukewarm water which keeps milk production on the same level even in winter. Tests on the farm have proven this.
- Investment deduction is possible
- Short payback of the investment
- Very long lifespan
- No maintenance costs

SPECIFICATIONS OF THE FULLWOOD PACKO ECO-TUBE RANGE



Fullwood Packo Eco-tube T2

Milking parlour ≤ 20 positions
Milking robot ≤ 6 positions



Fullwood Packo Eco-tube T3

Milking parlour ≤ 30 positions
Milking robot ≤ 14 positions

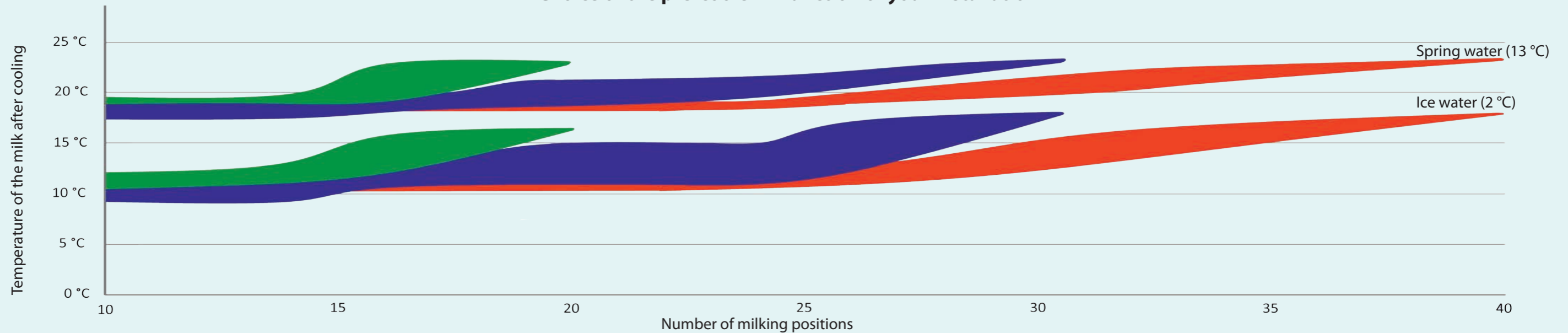


Fullwood Packo Eco-tube T4

Milking parlour ≤ 40 positions
Milking robot ≤ 24 positions



Choice of the pre-cooler in function of your installation



All information used to set up this graph is based on average parameters: milk 36°C, Ratio Water/milk: 2/1, Batch effect max. 120 sec



- Diameter : Ø 476 mm
- Height : 555 mm
- Weight : 50 kg
- Conduct : 2 x 15 M
- Volume milk circuit : 7,6 L
- Milk connection : NW-SMS-Smooth tube : 20→50 mm
- Volume water circuit : 6,4 L
- Water connection : BSP G3/4" Female
- Support : wall fixation



- Diameter : Ø 646 mm
- Height : 800 mm
- Weight : 70 kg
- Conduct : 3 x 15 M
- Volume milk circuit : 11,4 L
- Milk connection : NW-SMS-TC 50 mm
- Volume water circuit : 9,6 L
- Water connection : BSP 1"1/4" Female
- Support : 4 legs
- Option : wall fixation



- Diameter : Ø 646 mm
- Height : 800 mm
- Weight : 95 kg
- Conduct : 4 x 15 M
- Volume milk circuit : 15,5 L
- Milk connection : NW-SMS-TC 50 mm
- Volume water circuit : 12,8 L
- Water connection : BSP 1"1/4" Female
- Support : 4 legs
- Option : wall fixation

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The Fullwood Packo Eco-tube is the best solution for pre-cooling the milk!

Using spring water, the milk can be cooled quickly and smoothly to +/- 20°C. This means a considerable lower energy consumption when cooling further down to 4°C. With ice water (instant cooling) the milk is cooled very quickly below the critical limit of 10°C. In addition, the bacterial growth is stopped immediately.

Hint : Ask for the possibility of getting grants for energy-saving investments.



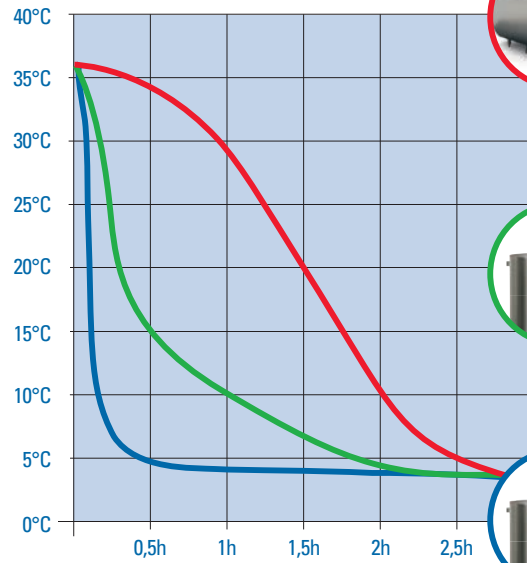
The Fullwood Packo Eco-tube is tested by Nizo Food Research (report no. E2001/21)



and Eco Energie Lait (report no. PC-E-16-04).

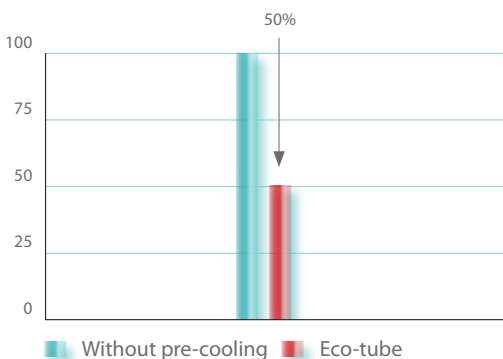


Three milk cooling systems in a race against time



- Direct expansion
- Direct expansion with heat-exchanger
- Instant cooling system with heat-exchanger

Energy consumption savings with Eco-tube.



Fullwood Packo nv

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All information is indicative. Subject to change. Non-contractual document.