


Tetra Lactenso™ Aseptic

# More dairy output from less input

The new generation of aseptic solutions





The image shows a man in a white shirt writing a mathematical equation on a transparent surface. The background is a landscape with a green field, a line of trees, and mountains under a blue sky. The equation is written in white chalk-like font.

$$\frac{dE}{dt}_{\text{system}} = \frac{d}{dt} \left( \int_{\text{CV}} e \rho dV \right) + \int_{\text{CV}} e \rho$$

# A new equation

Tetra Lactenso Aseptic represents the new generation of UHT technology. It is more than pieces of equipment, more than a production line. It is an entire, customized production solution. It enables dairy producers to work leaner and smarter, with greater production availability, efficiency and flexibility. It means consistent product quality and uncompromising food safety. It assures that you can work in a way that is sustainable both for the environment and for your business. In short, it means a new equation – one that gives you more dairy output from less input.

## **Real understanding**

Tetra Lactenso Aseptic solutions are the result of close, long-term relationships with dairy customers all over the world, extensive knowledge of dairy products and processes, as well as vast experience in supplying advanced production solutions. All this has given us a real, in-depth understanding of your needs and wishes. So we can enable you to fulfil them.

Different dairy products, different consumer preferences and markets obviously require different solutions. Tetra Pak is the only supplier who can offer you all UHT technologies – the various types and combinations of

indirect and direct heating – which means we can offer uniquely objective advice on which one best meets your needs.

## **Guaranteed and validated**

Tetra Lactenso Aseptic production solutions enable you to gear up to new dairy dynamics that can help you grow your business. That's more than talk. We guarantee what we deliver. We guarantee performance on the parameters that make a difference in your production, because we believe in keeping our promises. What's more, our guarantees are validated.

# Profitable performance – every step of the way

Tetra Lactenso Aseptic production solutions are engineered and tailored to match your dairy product properties, production parameters and capacity requirements – now and in the future. The focus is on three main interacting areas:

## Product quality

We never compromise on food safety. We deploy the highest standards of hygiene, using highly automated solutions to minimize the risk of human error, assure both proactive and reactive quality control, and provide full traceability.

You get greater control of processes than ever before, so you can achieve consistent, optimal quality for each dairy product.

## Efficiency

Every production solution is built for high availability and uptime, thanks to longer running times, shorter pre-sterilisation times, easy cleaning and low maintenance. User-friendly automation means maximum efficiency, flexibility and throughput, as well as low operating costs.

The reduced consumption of utilities and minimal product losses also keep costs down. It all adds up to the most efficient UHT dairy solution available anywhere.

## Sustainability

Tetra Lactenso Aseptic production solutions lower the consumption of water and energy, and give the lowest product loss levels in the dairy industry – thanks to automated control of a double balance-tank system, controlled filling and emptying and a small hold-up volume.

All this enables you to achieve environmentally sustainable production. And the reduced operating costs, high efficiency and consistent product quality contribute to the long-term sustainability and growth of your dairy business.



# Our typical solution is unique

Tetra Lactenso Aseptic production solutions may comprise all or parts of or combinations of the following main components:

- Tetra Therm Aseptic Flex and Tetra Therm Aseptic VITS units for direct and/or indirect UHT processing of dairy products. We have all of the technologies, so we can offer you objective advice on what's right for you!
- Tetra Alsafe aseptic tanks that give you great production flexibility and assured asepticity while cutting waste.
- Tetra Alex homogenizers – including aseptic versions for use after UHT treatment – for exceptional efficiency and reliability.

Each solution is customized to meet your requirements. And each is guaranteed and validated! Please refer to separate leaflets for the different components, and discuss your needs with your Tetra Pak representative!

**“The solutions we deliver will enable our customers to protect product quality and safety.”**





# Enabling dairy success

Tetra Pak is the world leader in processing and packaging solutions. We supply innovative technology to the dairy industry and offer dedicated local service and support to our customers everywhere. During over 50 years of dedication to the food business, we have acquired a vast bank of experience and expertise, which we make available as a resource for you. Our aim is to enable your success.

## **We make it our motto**

The Tetra Pak motto – PROTECTS WHAT'S GOOD – is about ensuring the solutions we deliver will enable our customers to protect product quality and safety, to protect production efficiency and profitability, and to do so in a way that helps to protect the environment. It's all part of the equation that can help to protect the long-term profitability of your dairy business.

## **Flexibility is the key**

Our dairy solutions are designed with a high degree of modularity. That is why we can offer you an open solution that is tailored to your specific needs, while giving you the freedom and flexibility to expand and modify as your capacity or product mix requirements change.

Our scope of supply covers the entire spectrum of UHT technologies, giving you unique opportunities to take advantage of the solution that is optimum for you.

## **The new generation of aseptic technology**

With our Tetra Lactenso Aseptic production solutions, you gain access to a whole new generation of UHT dairy processing, with unprecedented product quality, efficiency and sustainability. As each solution is built to meet specific product and production requirements – your requirements – we cannot go into detail in this brochure. That's why we'd like to hear from you. Just contact your local Tetra Pak representative or visit our website: [www.tetrapak.com/aseptic](http://www.tetrapak.com/aseptic). Let us show you how we can enable you to grow your dairy business even more!

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 **Tetra Pak**