



Food and Beverage



Reliable Dairy Processing

Filtration. Separation. Solution.SM

FBDairyEN4

Reliable Dairy Processing

Reliable Dairy Processing

Pall is the choice for ultimate brand protection

Manufacturers of cheeses, market milks and dairy ingredients worldwide choose one company, Pall, to meet their filtration product, service and process safety requirements.

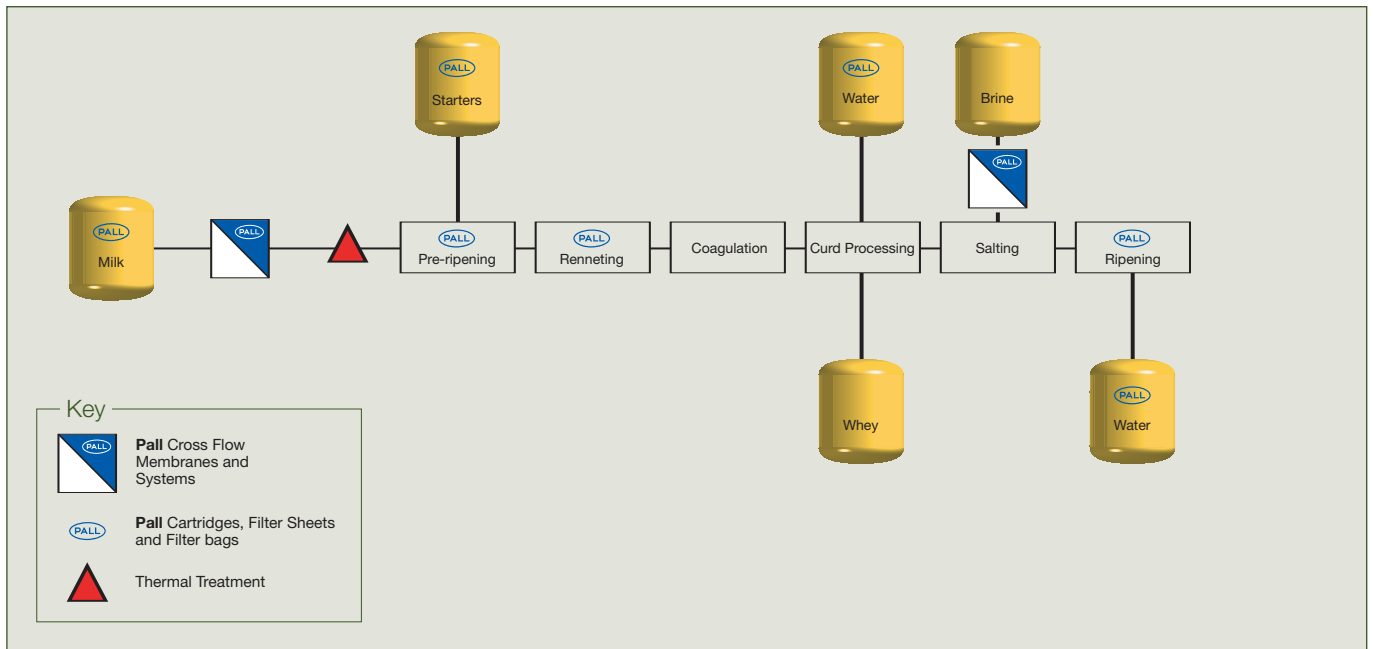
With the addition of Pall® Membralox™ ceramic cross flow membranes to the product range, Pall now provides a full range of value-added filtration and separation products to support dairy producers worldwide.

An international team of Pall dairy specialists work in partnership with dairy customers at the local level, providing filtration expertise and rapid response to process safety issues, particularly in relation to utilities (air, gas, steam, water). Pall customers have immediate access to a global network of scientists and engineers, that help customers protect the quality of their dairy products as they drive down production costs.

Pall is the choice for ultimate brand protection

Figure 1

General cheese processing



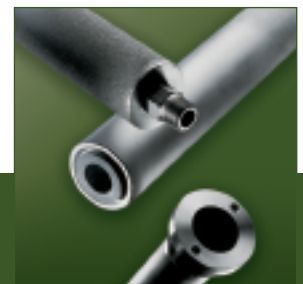
Filter Cartridges



High Flow Filter Cartridges



Filter Sheets/Modules



Metal Elements

Total Fluid Management for critical process control

Total Fluid Management

The **Pall Total Fluid ManagementSM** (TFM) program brings together filtration and separation products with scientific services to provide customers with intelligent and cost effective fluid management systems.

The **Pall** TFM program is the first of its kind in the dairy industry. This program was developed by Pall to address food safety concerns and draws from many years of its experience with dairy customers.

With the Pall Dairy TFM programme, customers profit from maximum product safety, increased efficiency, competitive advantage and fewer returns

No chain is stronger than its weakest link

This is why the **Pall** TFM program addresses every point in the process where a product might be in contact with microbial contaminants or process survivors.

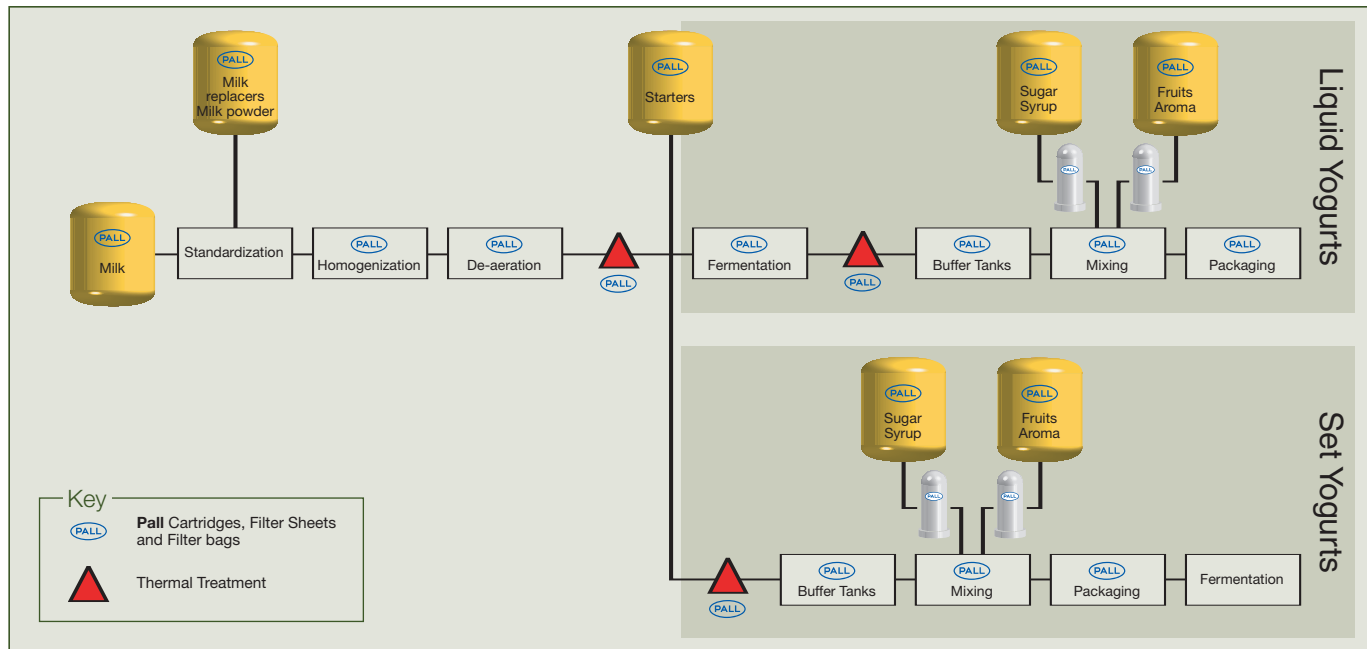
TFM in practice

Whilst Figure 2 illustrates how TFM can be applied in yogurt manufacturing, Figure 1 shows its application in cheese manufacturing.

A preliminary risk assessment and a process survey are used to determine the process critical control points. Each critical control point must be addressed individually and must be ascribed a specific filter sequence. Each filtration sequence includes exceptionally durable and reliable membrane filters for maximum biological protection against bacteria, endotoxins and viruses.

Figure 2

General yogurt processing



Filter Housings



Filter Housings



Filtration Systems



Filtration Systems

Pall Service Management

Pall Service Management

Pall, the world's largest filtration company, is now offering a complete support service to the Food and Beverage industry to revolutionize the management of filtration systems. Using state-of-the-art technology, Pall site-support engineers take full control of all aspects of fluid filtration, allowing its customers the time to focus on what they do best - running their business. Its experts on the Pall Service Operations team, provide after-sales service and maintenance solutions for customer equipment.

- Preventative maintenance and programmed scheduling
- Improved performance
- Process consultation
- Detailed reporting and assessment
- Management reviews
- Priority Customer Breakdown response
- Equipment upgrades
- Predictive maintenance based on Reliability Centered Maintenance (RCM)
- Reduced equipment downtime
- Dedicated telephone support
- Website access to spares and technical bulletins
- Reduced operating costs



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