



fluidity.
nonstop

in dairy production

How to achieve it?

 AxFlow

Using the right pumps for your process? Or just the ones you've always used?



Pumps matter to the performance of your processes and choosing the right ones is critical - to productivity, profitability, reliability and to safety.

On the face of it, making the right choice should be easy - the necessary dimensions, output, material and safety standards are all given. What is harder to determine is the optimal choice of fluid handling technology.

To start with, what are you pumping? Is it shear-sensitive? How viscous and abrasive is it? Is it explosive? Or acidic? Do you need gear pumps, hose pumps, diaphragm pumps or progressive cavity pumps? Or self-adjusting technologies and pumps with minimal parts to reduce wear and maintenance? Could sealless technologies prevent

leakage and anti-friction bearing designs reduce energy use? And what about integrated heating/cooling jacketing for total temperature control of the fluid being pumped?

Should the pumps be self-priming? How easily can you strip lines to remove valuable product residue? How can you avoid cross contamination? How effective are your mixers in avoiding sedimentation and how easily do they integrate with the rest of your process? Do they require large vessels? How much energy do they need?

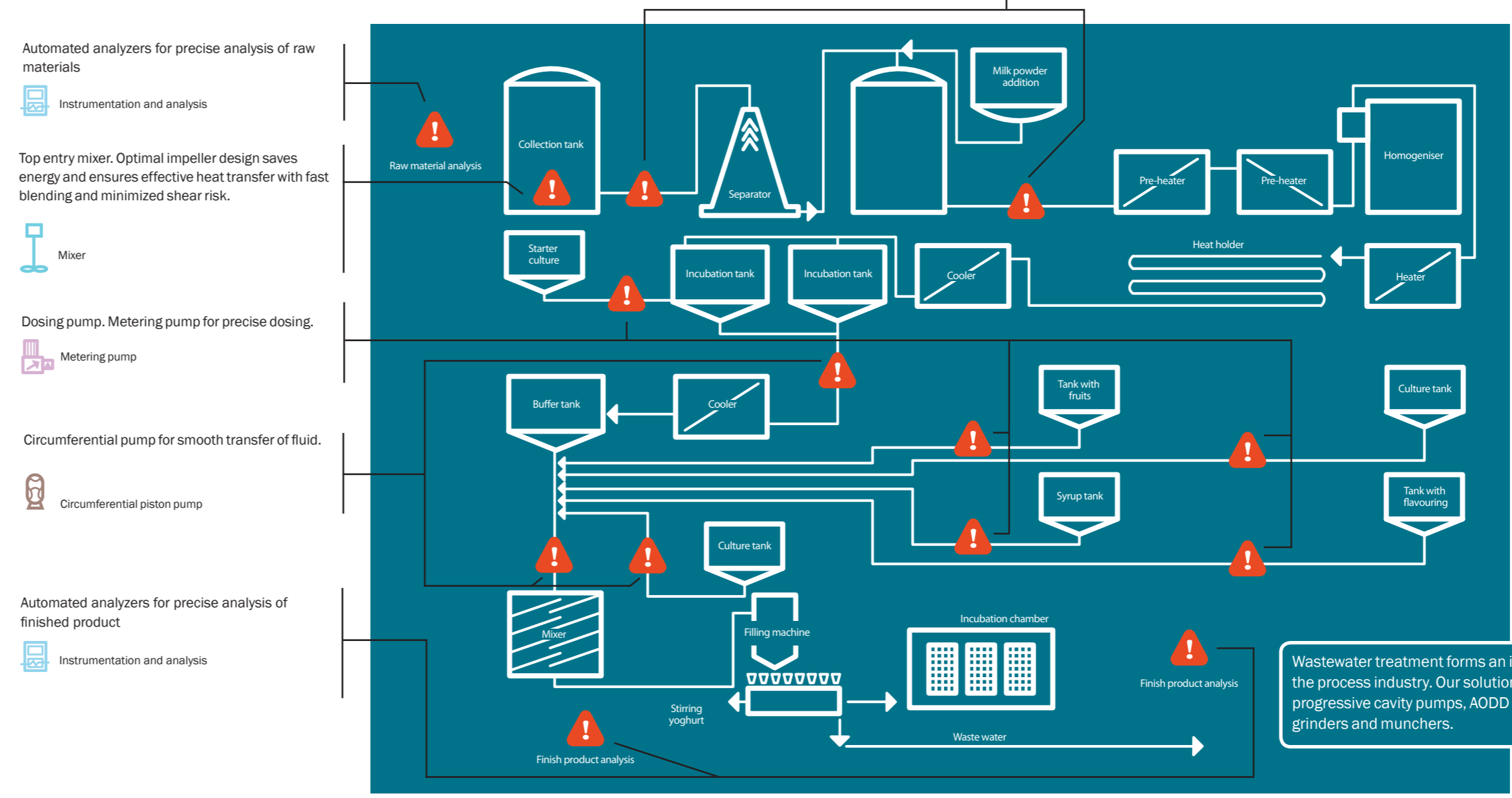
Lots of questions without one general answer - only the optimal pump, mixer or complete pumping system for your process.



! Your production process is marked by critical control points where different fluids are pumped, mixed, injected and filtered. Too often the role these points play in process performance is underestimated. To get the very best from your process, all the individual parts should work in harmony. In the chart that follows, those critical fluid handling points are marked with a red **!** symbol. You may only need to consider performance, dimensions and material specifications of the pump; alternatively you might also need to evaluate the pumping technology, safety issues or compatibility with upstream and downstream systems as well as overall process control matters.

fluidity.nonstop in yoghurt production

A yoghurt production line may feature all or some of the following components.



Typically, yoghurt production requires several controlled changes in temperature; first to pasteurize the milk, then after homogenization fast cooling brings the milk to the optimal incubation temperature required to keep the culture alive. Further fast cooling is needed followed by strict temperature controlled packing, storing and distribution.

Yoghurt is an irreversible fluid so gentle pumping required.

Live milk culture is highly sensitive.

Fast, shear-free transfer of delicate yoghurt base. Maximizes production volume without loss of quality.

Gentle dosing of tender fruit. Predictable reproducibility of a high value end-product. The higher the concentration of whole fruit, the higher the value.

Short pipework runs minimize product wastage.

Easy, fast automated CIP and SIP cleaning.

Guaranteed hygienic production.

Wastewater treatment forms an integral part of many applications in the process industry. Our solutions may include a combination of progressive cavity pumps, AODD pumps, hose pumps, mixers, filters, grinders and munchers.

Scan for more details about these products.



Dairy products can be highly shear-sensitive. Process equipment must support high volume production while avoiding damage and product loss in tender fruits and delicate, live milk cultures.



Autocleaning (CIP and SIP) is not only faster, it's also more predictable, more controllable and has greater reproducibility. It is designed and dimensioned to ensure full hygienic cleaning every time throughout your pipework, pumps, tanks and jets. Risk elements are eliminated, peace of mind restored.

A guaranteed hygienic production line gives you and your customers peace of mind. And it brings more business your way.

Getting the systems right involves understanding how the equipment functions – and how the food behaves in that environment. Recognizing the hygiene traps, the abrasion and wear points, and having the knowledge and experience to eliminate them can bring an added level of profitability to your process.

Predictable pump performance allows you to work to tighter production tolerances, increasing your profit margin in increasingly competitive environments.

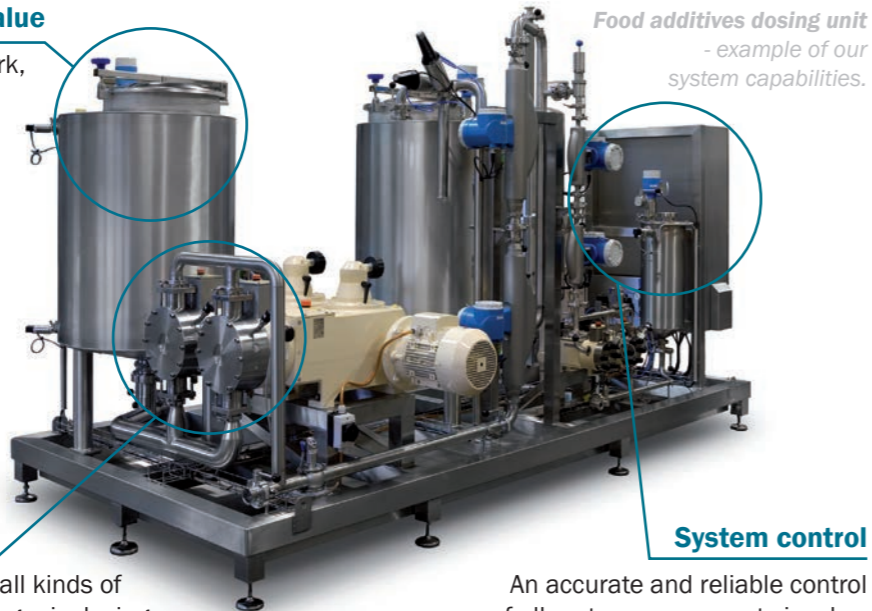


There's no single system solution from AxFlow. Just the right one.

Our systems have been installed and are in operation across virtually all areas of industry.

Mechanical added value

All necessary framework, tanks, piping and other stainless steel components to create a complete system.



Food additives dosing unit
- example of our system capabilities.

Accurate dosing

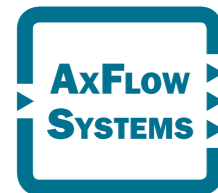
Dosing components for all kinds of dosing systems - from hygienic dosing of colours and flavours up to dosing of liquid chemicals in waste water and chemical industry.

System control

An accurate and reliable control of all system components is a key to the optimal control of the entire system as well as your production process.

Complete system capabilities

We like to bring to the table our engineering expertise and services. Our systems range from compact, skid-based systems that improve dosing performance within larger production processes, through comprehensive and mobile trailer-based mixing and delivery systems.



Here are some of the leading brands we represent!



Waukesha
Cherry-Burrell

Bredel
Hose Pumps

Bran+Luebbe

Mono

VIKING
PUMP

SANDPIPER
A WARDEN PUMP BRAND

Plenty

GOULDS PUMPS

Lightnin

We represent the very leading brands in each technology. These technologies include: pumps, mixers, valves, dispersion equipment, grinders, heat exchangers, instrumentation and analysis equipment, fittings and tubing.



Delivery from stock!

From our logistically-optimized Distribution Centre in the Netherlands we can ship pumps and other equipment from stock to customers within 48 hours anywhere in Europe.



Less things to worry about.

However you look at it, optimizing your processes is about more than just having the equipment. We provide full service - from product and systems consultancy, repair and maintenance, certification, training all the way to quality assurance.



fluidity.nonstop® is about keeping your processes running. And it's our promise and our commitment to a level of service and a quality of product, performance and expertise that has never been bettered.

By its nature, fluidity.nonstop is never static, that promise is ever-evolving and improving. As needs and demands change, we work to meet those new challenges and try to surpass them. We are Europe's leading source of pumps and pump expertise for the process industry and we intend to maintain that position by working fluidly and ceaselessly to be the best.

For more information, please visit www.fluiditynonstop.com

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