



*fluidity.*  
nonstop

**in beer 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.



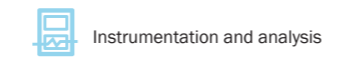
Your production process is marked by critical control points where different fluids are pumped, mixed, injected and filtered. Too often the role these points play in process performance is underestimated.

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.

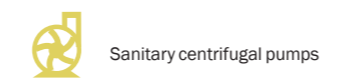
## fluidity.nonstop in brewing

A typical brewing process may contain all or some of the following components.

Automated analyzers for precise analysis of raw materials



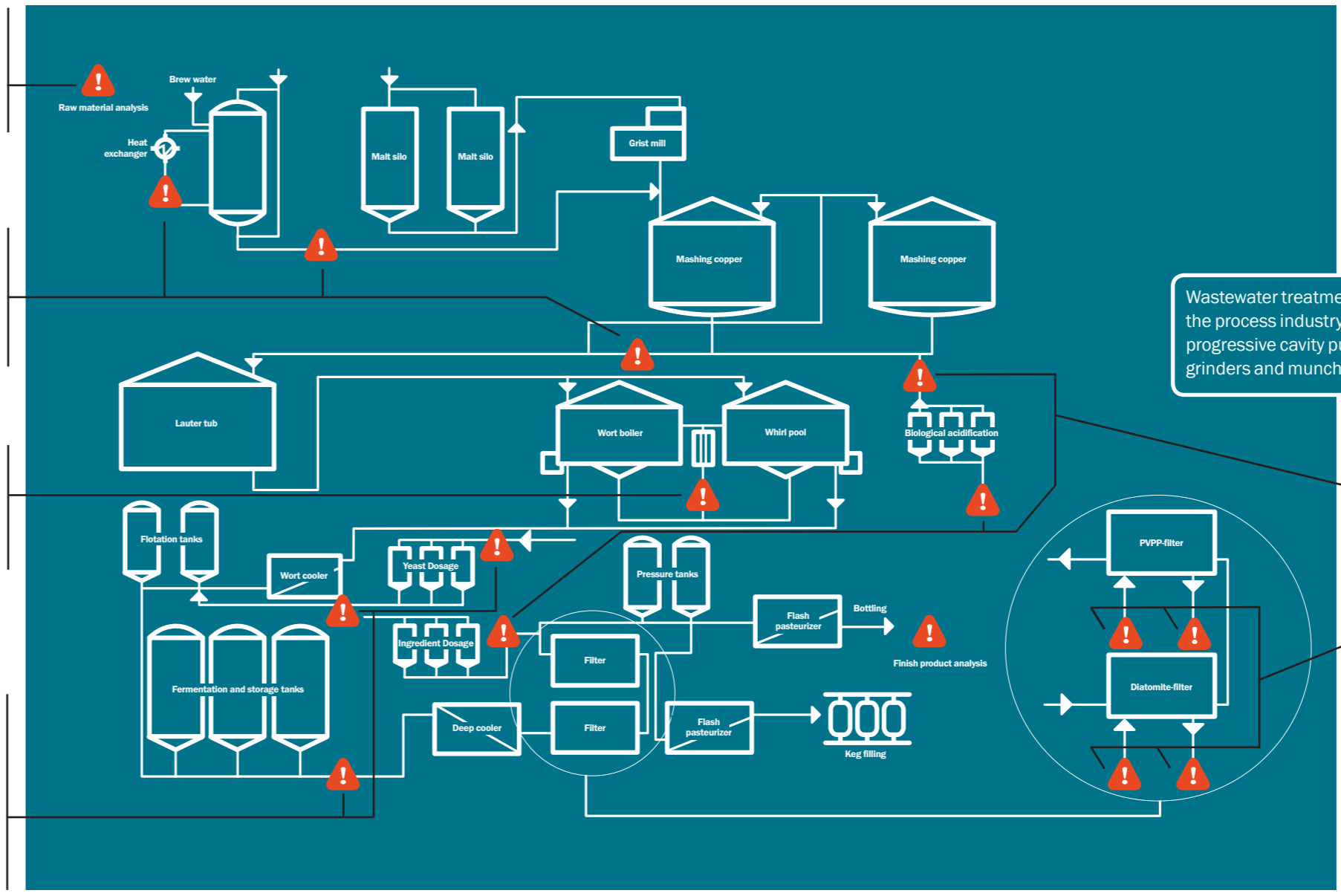
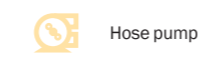
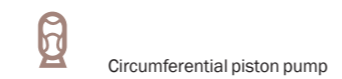
Sanitary end-suction centrifugal pumps designed for maximum operating benefits and minimal life cycle costs.



Tanker drawdown pump transfers material to storage tanks. PC pump for smooth transfer of shear-sensitive fluids.



Some production steps in the brewing process are very shear-sensitive. And high shear means no beer. Hose pumps and/or circumferential piston pumps are perfectly suited for these duties.



We source a wide range of hygienic valves such as process, mixproof and regulating valves.



CIP and SIP systems are vital both to save downtime during changeover and also to ensure scrupulous hygiene is maintained at all times.

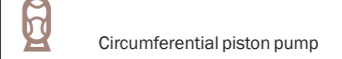


Wastewater treatment forms an integral part of many applications in the process industry. Our solutions may include a combination of progressive cavity pumps, AODD pumps, hose pumps, mixers, filters, grinders and munchers.

High dosing accuracy is essential even in high volume production.



Circumferential piston pumps for smooth transfer of fluid.



Beer in production is a living thing. Despite the high production volume, the brewing process is extremely sensitive and ingredients need to be treated delicately.

Diatomaceous earth, created from fossilized algae, is a great filtration agent. Optimizing the filtration enhances the appearance, shelf-life and saleability of the beer. But to do its job properly, diatomaceous earth likes to be handled carefully too.

Pump choice and dimensioning will, ultimately, affect the viability of the yeast in the process.

Scan for more details about these products.





**The processing, packaging and transport** of fruit juice is a complex process that requires hygienic integrity at each of the many critical points in the chain. Juice that is treated poorly discolours quickly, lowering its value or making it unsaleable, yet it is also a product that is delicate and which varies widely in consistency. Optimized handling is vital.



**End product eye-appeal** is a highly significant factor in this area. Even minimal visual defects – sedimentation, lack of brightness, discoloration – can lead to failure by quality control.

**Fluids in beer production** can be a surprisingly astringent – choosing the right pipework and components is vital.

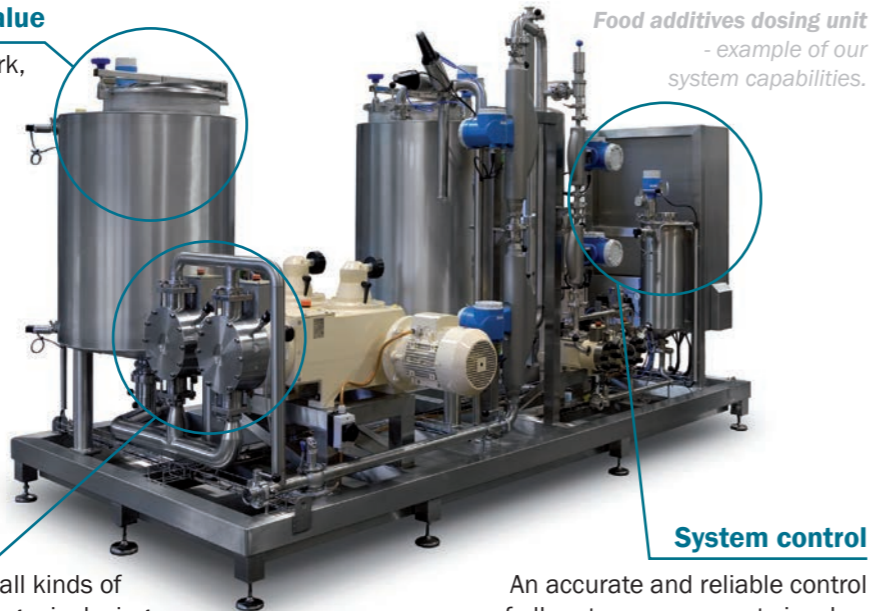


# There's no single system solution from AxFlow. Just the right one.

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

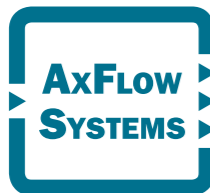
Dosing components for all kinds of dosing systems - from hygienic dosing of colours and flavours up to dosing of liquid chemicals in waste water and chemical industry.

## 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](http://www.fluiditynonstop.com)

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