

Are you 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 and mixer for your process.

AxFlow in Europe



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fluidity.nonstop® is our promise and our commitment to offer service, product quality, performance and expertise the like of which has not been seen before. We are Europe's leading source of pumps and pump expertise for the waste water and we intend to maintain that position by working fluidly, and ceaselessly, to bring you the best.

fluidity.nonstop é uma marca registada do grupo AxFlow - ANQ/SEI/0001/0000/000

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In Olive Oil Production
How to achieve it?





fluidity.nonstop in olive oil production

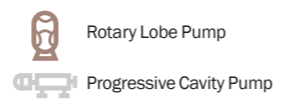
A olive oil process may contain all or some of the following components.

With the NIR Analyzer SpectraAnalyzer, you can control the quality of olives at the same time as they are transported into the mill.



Transfer of crushed olives to a hammer-mill for batting through hygienic circumferential piston pump or screw pumps. The reduced rotation provides durability of the pumps.

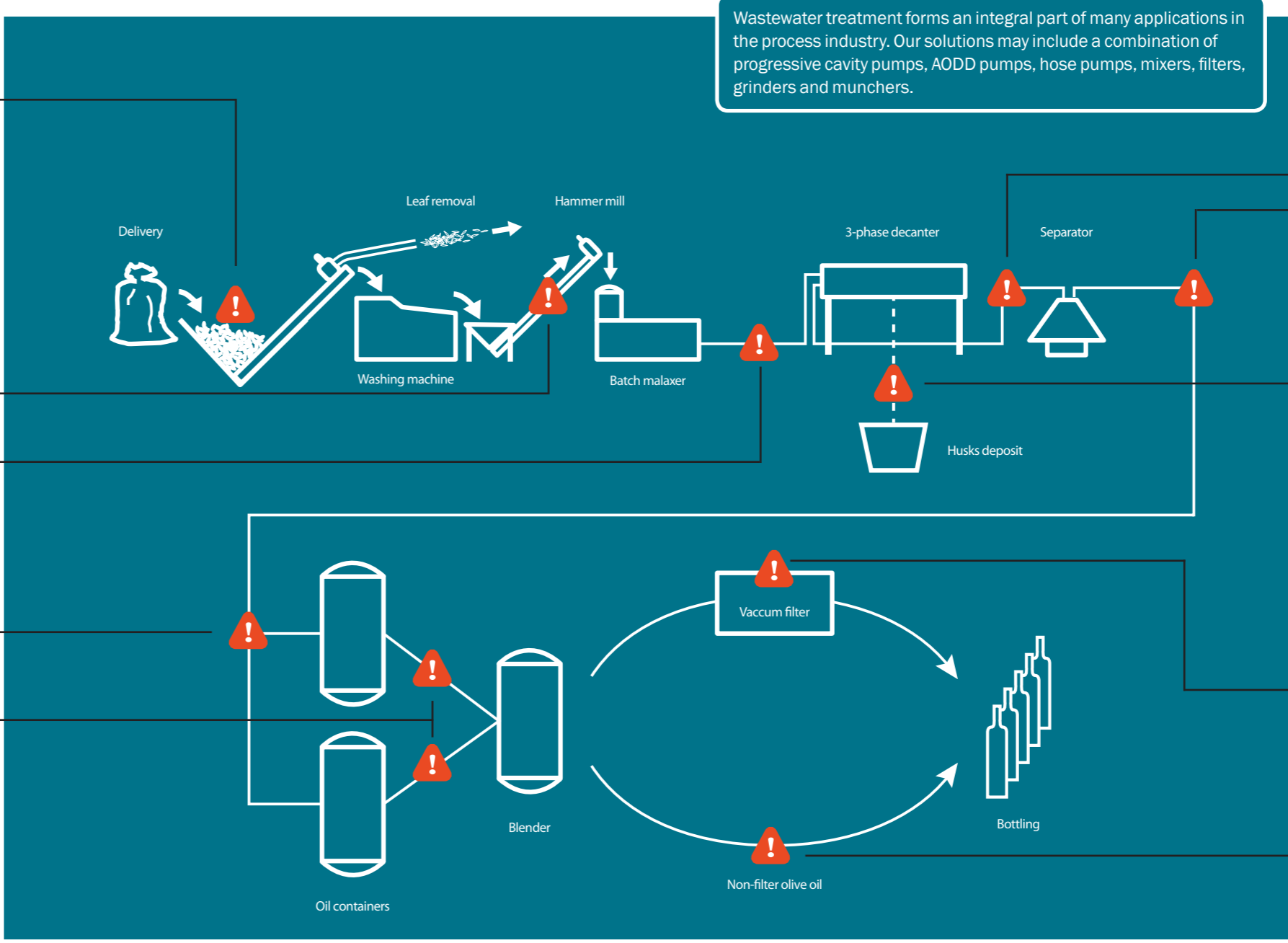
The olive paste is extremely abrasive by the presence of pits. It is transferred to the decanter through hygienic circumferential piston pumps or screw pumps. Reduced spin gives durability to the pumps.



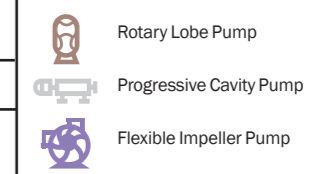
The NIR SpectraAnalyzer allows you to control the acidity of the essential oil to its proper allotment.



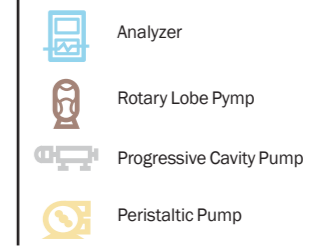
Transporting the olive oil between deposits shall be done with hygienic lobe pumps, progressive cavity pumps or flexible impeller pumps.



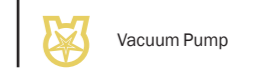
The oil is transferred to the separator through a hygienic rotary lobe pump, progressive cavity pump or flexible impeller pump. The same type of pumps are used to continue transporting the olive oil between stations.



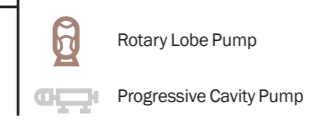
Analyse the pomace with a NIR SpectraAnalyzer ensuring control of the extraction process. The bagasse is transferred from the decanter to the tank via hygienic pumps that are resistant to abrasion. This could be circumferential piston pumps, progressive cavity pumps or peristaltic pumps.



The oil is filtered with vacuum filters, where the vacuum is created by the liquid ring pumps.



The filling lines are powered by hygienic lobe pumps and progressive cavity pumps.



! Your 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.

Scan for more details about these products.



We offer spare parts and fittings for all the equipment we sell and also to others upon request.

