

### Alfa Laval in brief

Alfa Laval is a leading global provider of specialized products and engineered solutions. Our equipment, systems and services are dedicated to helping customers to optimize the performance of their processes. Time and time again.

We help our customers to heat, cool, separate and transport products such as oil, water, chemicals, beverages, foodstuffs, starch and pharmaceuticals.

Our worldwide organization works closely with customers in almost 100 countries to help them stay ahead.

### How to contact Alfa Laval

Up-to-date Alfa Laval contact details for all countries are always available on our website at [www.alfalaval.com](http://www.alfalaval.com)

## Getting the best from grapes

Solutions for winemakers, and for grape juice and vinegar producers



## Help when and where you need it

### Worldwide assistance, service and technical support

#### Expertise designed to help

Alfa Laval provides all the advice, support and assistance you may need, right from your initial planning ideas to the actual purchase and commissioning, and then to complete follow-up over the entire service life of your processing set-up.

We help you identify the particular solution that gives you the best possible performance results and profit margins, and we do whatever is needed to get it all installed, running and integrated smoothly with your existing equipment, with a minimum of disruption or bother.

#### Help when you need it

We can carry out service and maintenance when it suits you best – either right before or after the harvest rush, or as it fits in with your other plans.

And if any glitches or breakdowns occur, our technicians can be on the spot quickly to deal with the issues and help you minimize bottlenecks or downtime.

#### Parts and service

Alfa Laval's obligation to our customers doesn't stop short at delivery. Our service organization is available to help make sure your operations are *always* running at peak efficiency.

#### You can choose service and maintenance packages to suit your particular needs.

- Customised maintenance packages that ensure rapid intervention and effective prevention
- Central parts inventory to ensure rapid delivery and minimal downtime
- Worldwide network of authorized service workshops for rapid-response support during harvest
- Automation systems for time-saving remote diagnostics





# The art of winemaking

## Success and results

Wine making is an industrialized process that also involves skilled craftsmanship and the application of a delicate, specialist art – all at the same time. Providing solutions that are equally attractive to all those who contribute to making your wine a success takes considerable versatility.

Alfa Laval provides a comprehensive range of technologies, solutions and equipment that wine-making companies worldwide rely on for key parts of their operations.



We make it possible to maintain complete control, to achieve maximum flexibility, scalability and reliability, energy efficiency and uptime, and to post an exceptional return on investment throughout a long service life.

## Know-how gives better results

Our wine industry experts know how best to apply Alfa Laval technologies to the processes important for customers so they can achieve wine of better quality, using more cost-effective systems that help improve profit margins.

Alfa Laval equipment is also designed to help boost energy efficiency, as well as to roll back environmental impacts of all kinds.

## The R&D edge

Alfa Laval works continuously to strengthen its contributions to the standards and capabilities of winemakers all over the world.

The company supports research projects related to innovative process lines via partnerships with French and Italian research institutions. Alfa Laval is also official partner in an international oenologist network to boost exchanges of know-how and expertise between winemakers, academics and industrial partners.

Alfa Laval is widely recognized as a leader in innovation technology, and therefore works to meet the current challenges in oenology via a multidisciplinary international approach based on the highest levels of specialist expertise.

## Comprehensive answers to key requirements

Alfa Laval supplies a comprehensive range of key equipment and solutions for different aspects of winemaking, and the production of grape juice and vinegar. These include:

- Heat exchangers of all kinds, for energy-saving thermal transfer
- Heating/cooling and pasteurization systems
- Membrane filtration systems
- Fluid handling equipment
- Centrifugal separation technologies – including decanter as well as vertical centrifuges
- Systems for mixing liquids and powders
- Key systems for installing in tanks, including tank cleaning equipment
- Bag-in-box filling and packaging systems
- Boilers
- Specific waste treatment solutions

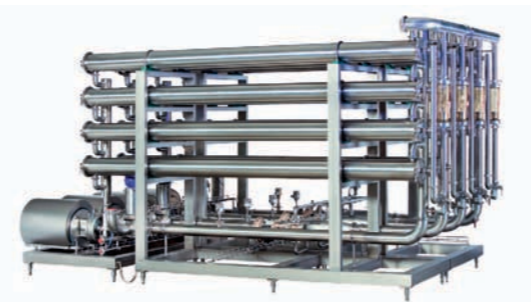
# Technologies, solutions and equipment



**LKH, SRU, Solid-C, etc.**  
Centrifugal and lobe pumps with food grade certifications



**BaseLine, FrontLine**  
Thermal modules for traditional or continuous tartaric stabilization, juice cooling with plate heat exchanger technology



**Cross-flow filtration**  
for reverse osmosis, ultrafiltration and microfiltration applications for grape juice, wine and vinegar



**Boilers**  
Fired and waste heat recovery boilers for hot water and steam



**AlfaVap/AlfaFlash**  
Evaporators for grape juice with or without previous stabilization, including desulfiter



**SteriThem**  
Sterilizer and aseptic filler for concentrated grape juice



**Iso-Mix**  
Solution for blending and fining



**Tank equipment**  
Agitators, Instruments, CIP modules, valves etc.



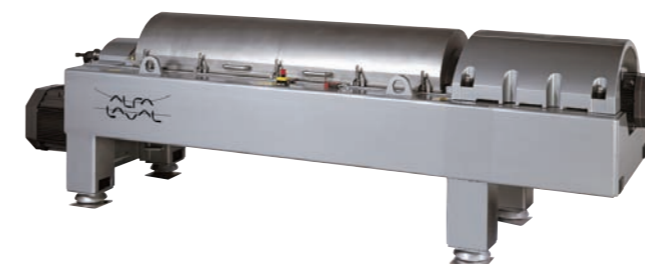
**AlfaTherm**  
Juice, wine or vinegar pasteurizer



**Alfa Laval Astepo**  
Automatic and semi-automatic bag-in-box filler



**Clara**  
Fully hermetic separators for juice clarification and wine or vinegar polishing



**Foodec centrifuges**  
Revolutionary process for grape juice extraction with no need for clarification (ready for fermentation) and control of oxidation



**Alheat/Alcool**  
Thermal modules for thermovinification and mash cooling with tubular or ohmic technology



**Membrane bioreactors and decanter centrifuges**  
Solutions for byproducts and waste water treatment