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

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Turn a double task into multiple advantages ...
... with some of the world’s most refined citrus fruit processing solutions.

In this specialist field, there’s often a dual focus. Not only is it crucial to produce the best possible juice or concentrate with the most attractive colour – it’s also important to get the best yield of high-value peel oil.

We help you achieve both, with supreme efficiency.
Best of all worlds

**Wide applications**
There are normally two focal points in the commercial processing of citrus fruit – the juice itself and the oil extracted from the peel.

The many kinds of juice that can be extracted from citrus fruit are normally processed into either NFC juice – Juice that is currently extracted from citrus fruit processing equipment – have always been known for equipment that has traditionally been well-known for equipment that is currently working in the past. Whether the Alfa Laval solutions, you can use almost identical processing equipment for a wide range of different fruits.

We can provide you with all the equipment you need for the continuous production of concentrate up to 60% solids. Oranges, lemons or grapefruits are the main commercial source crops, but the versatility of Alfa Laval technology enables you to process almost all citrus fruit with either hard or soft peels.

**Concentrated taste**
The vast majority of citrus juices are produced as concentrate, in which the juice concentrate is normally packed in drums and stored at very low temperatures. It can also be packed separately in bag-in-box containers.

With the addition of an Alrox de-aerator, this line can also be used to produce NFC juice.

**Better quality, better price**
We have more than 40 years’ experience in meeting the needs of the citrus processing industry. This is backed by the benefits of the R&D resources, materials technology and specialist know-how available from the world’s foremost specialist in heat transfer and separation technologies.

**Experience the benefits**
Alfa Laval equipment is designed to deal with high-solids products, and we help you avoid unnecessary mishaps and downtime via our Planned Preventative Maintenance Agreements. This means you can be sure that your plant is easy to operate and maintain when you need it most. So call us now to find out how you can experience the benefits of Alfa Laval equipment, expertise and support services.

**Our Alfa Laval equipment in your processing set-up for juice concentrate from citrus fruit**

- **Consistently get the most – and best – out of the citrus fruit you process**
- **Ensure that the fruit juices and peel oils get the gentlest possible treatment, with a minimum of processing during extraction**
- **Maintain stringent hygiene management to achieve the best possible quality, and the best prices**
- **Ensure that the fruit juices and peel oils get the gentlest possible treatment, with a minimum of peels**
- **Make sure your plant is easy to update and extend, to comply with your changing needs.**

**A typical high-quality continuous processing line for juice concentrate from citrus fruit**

1. **Fruit reception**
2. **Cooling**
3. **Standardization**
4. **Juice extraction system**
5. **Peel oil recovery system**
6. **Disassembler**
7. **Aroma recovery unit**
8. **Pasteurization**
9. **Concentration**
10. **Peel oil recovery**
11. **Filling**
12. **SteriTherm pasteurizer**
13. **AlCip cleaning module**
14. **Cold filling station**
15. **AlfaVap cassette evaporator**
16. **Flow handling and tank cleaning equipment**
17. **Alfa Laval control and automation systems”

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**Alfa Laval solutions**
- **Washing, inspection and conveyor equipment**
- **Peel oil recovery system**
- **Juice extraction system**
- **Alfa Laval disk stack centrifuges**
- **AlfaTherm pasteurizer**
- **Stainer**
- **Alfa de-seeder**
- **AlfaVap de-aerator**
- **AlfaVap de-aerator**
- **Alfa aroma recovery system**
- **AlfaVap de-aerator**
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**Design for revenue**
Alfa Laval training and support services.

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