

#### This is Alfa Laval

Alfa Laval is active in the areas of Energy, Marine, and Food & Water, offering its expertise, products, and service to a wide range of industries in some 100 countries. The company is committed to optimizing processes, creating responsible growth, and driving progress – always going the extra mile to support customers in achieving their business goals and sustainability targets.

Alfa Laval's innovative technologies are dedicated to purifying, refining, and reusing materials, promoting more responsible use of natural resources. They contribute to improved energy efficiency and heat recovery, better water treatment, and reduced emissions. Thereby, Alfa Laval is not only accelerating success for its customers, but also for people and the planet. Making the world better, every day. It's all about *Advancing better™*.

#### How to contact Alfa Laval

Contact details for all countries are continually updated on our web site. Please visit [www.alfalaval.com](http://www.alfalaval.com) to access the information.

# Sustainable heat transfer

Alfa Laval brazed and fusion-bonded heat exchangers





# Partner with Alfa Laval to become best in class

With our unique wealth of experience, our dedication to finding innovative new heat transfer solutions with greater efficiency and lower energy consumption, and our global manufacturing and distribution network, Alfa Laval is your ideal partner.

## Growing our businesses together

Becoming an authorized Alfa Laval distribution partner provides you with tools and support that aid in growing your business from new and existing customers.

Alfa Laval offer various levels of support depending on the scale of your business, how closely you wish to work with Alfa Laval and your ambitions for the future. Each level boosts your business by offering tools and tailored support for your day-to-day work. We offer a variety of training programs, sales-supporting web tools, marketing materials, and much more.

## Support for competitive power

Alfa Laval Anytime is our eBusiness portal for partners. Find, calculate, customize and order your Alfa Laval products with just a few simple clicks, 24/7. The tool is always up to date and provides real-time stock count as well as track-and-trace functionality.

## The Alfa Laval Product guide

The online product guide helps you or your customers to quickly find the right heat exchanger at the right capacity within 5 clicks. All products are available for immediate shipping.

## Alfa Laval Partner Academy

As an Alfa Laval partner, you get access to a highly specialized learning centre backed by the resources of a global market leader. Our online or classroom training programs will boost your sales and service proficiency up to its full potential. We offer you product and application knowledge with a commercial approach, hands-on demonstration of technical features and analysis of specific sales points.



## Alfa Laval offers product specialists within applications such as

- Air conditioning (chillers, absorption chillers and VRFs)
- Heat pumps
- Boilers
- Solar heating
- Domestic hot water
- Process cooling
- Fuel cells
- Combined heating and power
- Air dryers
- Air compressors
- Oil cooling
- Transport refrigeration
- Wind power
- Vending machines
- Engine cooling
- Engine oil and fuel filtration
- Heat recovery
- Industrial refrigeration
- Commercial refrigeration

# Three innovative solutions that break barriers

## High Resistance / Innovation



Alfa Laval's unique brazed gas-to-liquid design supports much higher temperatures than traditional plate heat exchangers. Our standard models handle gas temperatures up to 750°C, with temperatures above 1400°C possible for special applications.

## DynaStatic Design / Flexibility



This breakthrough production method gives you complete freedom to design the perfect refrigerant distribution system for your products. Whatever placement, size and number of distributors you want, we can produce it.

## FlexFlow Design / Efficiency



Our range of asymmetrical flow patterns unlock new levels of efficiency. We don't believe in a one size fits all approach – we develop new asymmetrical patterns tailored by application. This means refrigerant volumes, gas volumes and pressure drop can be optimized according to the duty in question.

# Product scope

## Evaporators

In evaporator duties, a brazed plate heat exchanger (BHE) can be optimized by varying the channel plate characteristics and adding a distribution system. The distribution system provides a uniform distribution of the refrigerant throughout the heat exchanger. This ensures high performance and stable superheating under variable conditions. Though designed to operate with typical heat fluxes, Alfa Laval's distribution systems can be adapted to higher and lower heat-flux conditions as well.

## Condensers

Alfa Laval offers a range of BHEs optimized as condensers. They feature specially-designed channel plates combining different corrugation angles, pressing depths and asymmetric channels. This makes them suitable for a wide variety of heat-pump duties – from water heaters and micro-heat pumps to residential and commercial systems.

## Economizers

The small footprint and versatile configurations of Alfa Laval's BHEs make them easy to optimize for economizer duties.

## Oil Coolers

Alfa Laval's BHE series of dedicated oil coolers, DOC range, offer unparalleled efficiency for hydraulic and lube oil cooling. The extra sturdy construction is fast and easy to install due to special connection blocks that decrease stress on the standard connection by 80%.

## Gas Coolers

Alfa Laval is leading the development of new technologies for green cooling with natural refrigerants such as CO2 and propane. Alfa Laval offers the widest range of high-pressure heat exchangers, which are not only more efficient, but also more reliable as well as safe for the environment and the people working around them.

## Gas-To-Liquid Duties

For challenging gas cooling applications, Alfa Laval's unique portfolio of gas-to-liquid plate heat exchangers is an ultra-compact, high-efficiency solution that handles very high temperatures with very low pressure drop.

