



Hello excellence. Goodbye downtime.

Keeping hydraulic and lube oil systems cool



# Hello smart energy savings.



Looking for smart cooling solutions in your systems? Installing Alfa Laval's heat exchangers **save up to 60% space, weight and cooling water.** With up to 5 times higher heat transfer capacity than other coolers such as shell-and-tubes, our products use **much less** of the world's precious natural resources to cool hydraulic systems.

## Simply better for heat transfer

Investing in state-of-the-art R&D and expertise in materials development we test the resistance of our products until we are satisfied on pressure and thermal shocks in every aspect. That's your guarantee of **optimized performance, minimized costs and greatly reduced use of water and energy.**

Add ease of installation and long time between services and it's obvious to see why our coolers are the first choice for the world's major OEMs.

## The service you need, wherever you need it

Through a **global network** of producers, distributors and sales companies, we offer you expert help to design the optimal cooling system for your needs. And of course, we speak your language, whatever country you live in, and whatever technical challenge you face.

And thanks to our highly efficient supply chain, we offer **fast, reliable, on-time deliveries for all projects.**

Our worldwide parts and service network offers service for our Alfa Laval and other heat exchanger brands, ensuring nonstop performance and true **peace of mind.**

**Total service commitment.** Alfa Laval's global customer support network comprises more than 100 sales offices, 50 service centres and hundreds of field engineers.



# Hello quality coolers.

## Goodbye worry.

Alfa Laval offers a complete portfolio of **compact oil coolers** specially designed to withstand the rigours of the **toughest hydraulic systems**.

Made from the highest quality materials, Alfa Laval oil coolers offer the best thermal transfer in the smallest space, and are perfect for reliable oil cooling in all industrial hydraulic and lube oil applications.

Their innovative design provides flexibility for all processes, increases operational performance and system reliability, lengthening service life.

Add the combination of world-class service, technical support and a complete training program and it's easy to see how Alfa Laval's heat exchangers and oil coolers maintain safe fluid operating temperatures and protect your systems.

**Say hello to high performance.  
And goodbye to system failure.**



### Quality products.

Compact, powerful and reliable oil coolers that optimize your operations



### Quality service.

70 years of experience in heat transfer technology available to you 24/7



### Quality partnership.

World-class distributors dedicated to supporting you

# Alfa Laval's **compact** and **powerful** oil coolers boost performance, optimize operations and reduce maintenance in hydraulic and lube oil systems.

## 1 Easy to install

- ▶ Mounting blocks for high tightening torque and a good spanner grip
- ▶ Fast, secure installation
- ▶ Cuts down man hours
- ▶ No risk of breaking connection

## 2 Built-in mechanical strength

- ▶ Market's strongest system
- ▶ Sturdy construction
- ▶ Interior connections never break

## 6 Self cleaning

- ▶ High turbulent flow
- ▶ High shear rate
- ▶ Maximized uptime and reduced maintenance

## 3 Rugged design

- ▶ Powerful, compact high-efficiency coolers
- ▶ Reliable under high pressure and temperature

## 5 Uses less energy

- ▶ High heat transfer
- ▶ Close temperature approaches
- ▶ More heat recovery, less energy

## 4 Smaller footprint

- ▶ Up to 60% less space than comparable shell-and-tube
- ▶ Less space than comparable oil coolers
- ▶ Lower investment costs



## Dedicated oil coolers, DOC range

Alfa Laval's brazed plate heat exchanger series of dedicated oil coolers, DOC range, offer unparalleled efficiency for hydraulic oil cooling. The extra sturdy construction is easy to install, and the special connection block decreases stress on the standard connection by 80%. This connection block saves you installation time and avoids possible leakage.

### Applications

- Suitable for hydraulic and lube oil systems for cooling capacities up to 50 bar (653 psig) and temperatures up to 225°C (400°F).
- Cooling media: clean water or ethylene glycol.



## Brazed plate heat exchangers, CB range

Brazed plate heat exchangers, CB range, are high-efficiency oil coolers that contribute to long, maintenance-free life-times for hydraulic power pack cooling systems or lube oil systems. The CB range can be fitted with a wide range of different oil connections, such as NPT, SAE, hexagonal and internal threaded.

### Applications

- Suitable for hydraulic and lube oil systems for cooling capacities up to 50 bar (653 psig) and temperatures up to 225°C (400°F).
- Cooling media: clean water or ethylene glycol.



## Fusion-bonded plate heat exchangers, AlfaNova range

Fusion-bonded plate heat exchangers, Alfa Nova range, made of 100% stainless steel minimizes the risk of corrosion and makes this highly efficient heat exchanger suitable for oil applications using hazardous media where copper is not an option.

### Applications

- AlfaNova is an efficient solution for industrial hydraulic oil cooling, where the cooling media and/or the oil is corrosive. Cooling capacities up to 25 bar (435 psig) and temperatures up to 550°C (842°F).
- Cooling media: clean water, ethylene glycol or demineralized water.



## Gasketed plate heat exchangers

Gasketed plate heat exchangers, GPHEs, provide full flexibility to meet the demands of any oil cooling duty. In larger HPU systems they can be installed off-line in the cooling circuit. For applications with aggressive media, such as sea water, Alfa Laval can supply GPHEs with plates in corrosion-resistant materials. Another option could be double wall plates to avoid cross contamination.

### Applications

- Suitable for hydraulic and lube oil systems for small and high flow demands combined with a low pressure drop demand. Cooling capacities from 25 bar (435 psig) and temperatures up to 180°C (482°F).
- Cooling media: water, sea water, cooling tower water or any other cooling fluid.



## Alfa Laval in brief

Alfa Laval is a leading global provider of specialized products and engineering 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, foodstuff, 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)



**Want more?** Please scan this QR code to learn more about Alfa Laval Fluid Power and find a distributor near you.

Authorized partner: