

# Improving sustainability with welded solutions



# Alfa Laval welded heat exchangers

What does sustainability mean for your business? Today it comes down to having long-term confidence in your production, with support for both profitable growth and a positive environmental impact.

Available for a wide range heating and cooling duties, Alfa Laval welded heat exchangers enable improved energy efficiency and waste recovery, with patented innovations and unique features for higher thermal performance and greater reliability.

But it's more than technology. It's the people: experienced experts with deep process knowledge and a global service presence. Partners who will be at your side today, and for every day to come.





# Compabloc

Discover how you can  
improve sustainability

Compabloc is an unrivalled champion that stands out among other heat exchangers – including other welded bloc-type designs. The difference comes from unique innovations that Alfa Laval has developed based on our decades of experience in thermal transfer. These features enable more reliable and efficient performance, helping you to save energy and improve your sustainability.



### C-Weld™

Superior cleaning and extended performance

End-to-end laser weld of the plates guarantees accessibility and protects against corrosion.



### XCore™

Advanced design for higher pressures

A high-pressure, cleanable plate pattern that increases mechanical strength to improve thermal performance.



### SmartClean™

Fast and efficient flushing of fouling material

Free-flow channel at all plate boundaries secures efficient removal of fouling.



### ALOnsite™

Qualified support at your facility

True onsite service by skilled engineers, anywhere in the world.

# Spiral heat exchangers

## The ultimate problem solvers

Compared to other heat exchangers used in similar applications, Alfa Laval spiral designs offer a more compact footprint with increased thermal efficiency. Built with unique features that prevent fouling, they also ensure the most reliable performance with high uptime and low maintenance requirements.





### SelfClean™

Superior cleaning and extended performance

A single channel for each fluid ensures reliable self-cleaning of the unit.



### HighP™

A custom solution for high-pressure duties

Circular shell design and a self-supporting internal coil improves mechanical strength under high pressure.



### RollWeld™

Automated, reliable channel enclosure

An automated bending and welding process for the closure of each channel ensures consistent quality and reliability.



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# DuroShell

Compact performance  
for the toughest demands

Alfa Laval DuroShell is a specially engineered plate-and-shell heat exchanger ideal for demanding duties and corrosive media. Able to withstand fatigue even at high temperatures and pressures, DuroShell outperforms not only traditional heat exchangers, but also conventional plate-and-shell designs. That's why we call it 'plate-and-shell made tougher.'







### RollerCoaster™

Robust and efficient performance

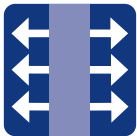
Plate pattern optimizes thermal efficiency with improved fatigue resistance, flow distribution and mechanical strength.



### Cut-wing plates

Less weight and added reliability

Unique plate shape reduces risk of mechanical stress and enables multipass within the shell for a more compact and easy-to-install unit.



### PowerPack™

Optimized flow distribution and fatigue resistance

Patented design enables improved fluid distribution, mechanical strength and unparalleled fatigue resistance.



# ALOnsite™



## Service that keeps you growing

For the market's widest portfolio of welded heat exchangers, Alfa Laval offers an unmatched range of service and support. Whether it's for routine support or complex process challenges, our local technicians can be onsite with the experience you need – no matter where in the world you are.



[www.alfalaval.com](http://www.alfalaval.com)