

Press release

Alfa Laval launches **TS45 semi-welded heat exchanger** for large-scale energy transition and heavy industry applications

Alfa Laval announces the launch of TS45, the company's largest semi-welded plate heat exchanger to date, engineered to secure competitiveness and resilience by meeting growing demands for high-capacity, high-pressure heat transfer across energy transition, industrial, and energy efficiency applications.

Lund, Sweden, May 2026

Developed to support industries facing rising energy demand and high efficiency requirements, TS45 expands Alfa Laval's semi-welded portfolio into duties traditionally served by shell-and-tube technologies. The new TS45 enables customers to scale up heat transfer performance while maintaining a compact footprint, high energy efficiency, and full serviceability.

The TS45 is designed for demanding applications such as industrial heat pumps, energy storage, carbon capture, sulphuric acid production, and many more, where robustness, reliability, and efficiency are critical.

“With TS45, we are redefining what semi-welded plate heat exchangers can deliver at scale,” says Madeleine Gilborne, President Gasketed Plate Heat Exchangers, Alfa Laval. “It allows our customers to improve efficiency and decarbonize large industrial processes - while maintaining the flexibility and serviceability they expect”

The TS45 combines Alfa Laval’s proven semi-welded cassette technology with an extra-large plate format, offering high design pressure, significantly increased capacity, and reduced installation footprint, helping customers lower both operating costs and boost efficiency.

TS45 is available from Q2 2026.

This is Alfa Laval

The ability to make the most of what we have is more important than ever. Together with our customers, we're innovating the industries that society depends on and creating lasting positive impact. We're set on helping billions of people to get the energy, food, and clean water they need. And, at the same time, we're decarbonizing the marine fleet that's the backbone of global trade.

We pioneer technologies and solutions that free our customers to unlock the true potential of resources. As our customers' businesses grow stronger, the goal of a truly sustainable world edges closer. The company is committed to optimizing processes, creating responsible growth, and driving progress to support customers in achieving their business goals and sustainability targets. Together, we're pioneering positive impact.

Alfa Laval was founded 140 years ago, has customers in 100 countries, employs more than 23,670 people, and annual sales were SEK 69.6 billion (6.6 BEUR) in 2025. The company is listed on Nasdaq Stockholm.

www.alfalaval.com

For more information, please contact:

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