Press release

Alfa Laval pioneers recycled Titanium for gasketed plate heat exchangers

China, 2026-11-02

Alfa Laval has set a new industry benchmark in manufacturing with a pioneering initiative at its gasketed plate heat exchanger factory in Jiangyin, China. As part of its ambition to reduce the carbon footprint of its heat exchangers and increase circularity, the company has successfully produced titanium plates containing 25% recycled content. This breakthrough marks an important step in Alfa Laval's strategy to improve resource efficiency and support the decarbonization of energy-intensive industries.

Titanium is valued for its corrosion resistance but maintaining its formability while increasing recycled content presents a significant challenge. By collecting and recycling its manufacturing waste and remelting it at titanium suppliers, Alfa Laval managed to increase the recycled content from 10% to 25%. The project team worked closely with a major titanium supplier to ensure that every plate met the high-quality expectations with an exceptional result. This collaborative effort demonstrates the technical feasibility of producing high-quality titanium plates with increased recycled content and points to a new direction for reducing emissions at the raw material source.

"Through close collaboration and relentless innovation, we have demonstrated that high-quality recycled titanium can meet the rigorous demands of our industry. This achievement is a testament to

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our commitment to reducing the carbon footprint of our products and leading the way toward a more sustainable future." **– Carina Resare, Head of R&D, Business Unit Gasketed Plate Heat Exchangers, Alfa Laval**

The current production represents a small-scale batch, and gasketed plate heat exchangers using these titanium plates will be delivered to customers in China. Scaling up the initiative will require a broader systemic shift across the supply chain, supported by continued collaboration with industrial partners.

"This project is more than a technical achievement—it is a strategic commitment to leading our industry toward a lower-carbon emissions future. By validating recycled titanium in real-world production, we are inspiring our partners and customers to join us in accelerating the transition to more sustainable value chains." **– Madeleine Gilborne, President, Business Unit Gasketed Plate Heat Exchangers, Alfa Laval**

Read more

- Alfa Laval Concept Zero™

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This is Alfa Laval
Working closely with customers and partners worldwide, Alfa Laval challenges conventional thinking on engineering, quality, and innovation. Together driving the solutions of the future, inspiring progress towards a more resourceful, less wasteful world.

Alfa Laval is set on creating positive impact in areas that society depends on, including energy, food, water, medicine, maritime transport and offshore operations. As a leading global provider of solutions in heat transfer, separation, and fluid handling, the company collaborates closely with many industries to optimize efficiency, reduce emissions and increase yields.

Alfa Laval was founded more than 140 years ago, has customers in over 100 countries, employs more than 23,500 people, and annual sales were 69.6 BSEK (6.6 BEUR) in 2025. The company is listed on Nasdaq Stockholm.

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