



August 2022

Alfa Laval launches new heat exchanger for demanding applications

Packinox+ is a new series of heat exchangers from Alfa Laval targeting heat transfer duties in industrial processes with high temperatures, pressures, and flowrates. Based on the same proven technology as traditional Packinox units, Packinox+ is specially designed for positions with asymmetric flows, thereby extending the possible use of Packinox technology to a range of new applications in, for example, petrochemicals, long-duration energy storage, and carbon capture utilization and storage.

Saving energy and cutting CO₂ emissions

The unique plate design in a Packinox+ in combination with a counter-current flow result in high heat transfer efficiency and low pressure drop. This makes Packinox+ heat exchangers suitable for all types of energy recovery duties, allowing process industries to cut energy consumption and CO₂ emissions.

High performance and low CAPEX

The heat transfer capacity in a Packinox is far better than for a comparable shell-and-tube solution. A single Packinox+ often outperforms system comprising several shell-and-tubes, resulting in low CAPEX and OPEX.

New possibilities

Thierry Sourp, managing director at Alfa Laval Packinox, explains: "Packinox+ heat exchangers are equipped with Alfa Laval's new FlexFlow heat transfer plates. This makes it possible to use Packinox heat exchangers in positions where the two streams have different characteristics, e.g in gas-to-liquid and gas-to-gas-applications. This means Packinox technology can now be used in a wide range of new applications, and we are very excited to be able to offer the exceptional performance of Packinox to a whole new group of customers," Thierry Sourp says.

Two models

Packinox+ heat exchangers are available in two configurations: plate-and-frame and plate-and-shell. The core of both models is a fully welded plate pack where the heat transfer takes place. The plate design ensures high thermal efficiency, low pressure drop and minimal maintenance thanks to a highly turbulent flow.

The plate-and-frame model has two pressure plates supporting the plate pack and is intended for applications with operating pressures of up to 70 bar. In the plate-and-shell model, the plate pack is inserted in a pressure vessel, enabling operation with very high pressures.

To learn more about the new Packinox+ heat exchanger, please visit:

www.alfalaval.com/packinox/plus

For further information, please contact:

Thierry Sourp

General Manager, Alfa Laval Packinox

Phone: +33 15 36 74 140

Mobile: +33 62 39 65 464

E-mail: thierry.sourp@alfalaval.com

Emilie Perigois

Global Sales Manager, Alfa Laval Packinox

Phone: +33 15 36 74 135

Mobile: +33 63 53 00 214

E-mail: emilie.perigois@alfalaval.com

Lottie Hernström

Market Communication Manager

Phone: +46 709 36 66 24

E-mail: lottie.hernstrom@alfalaval.com

Editor's notes

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*[™].

Alfa Laval has 17,900 employees. Annual sales in 2021 were SEK 40.9 billion (approx. EUR 4 billion). The company is listed on Nasdaq OMX.

www.alfalaval.com