Press Release

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Alfa Laval CB210 brings modern thinking to brazed heat exchangers

Alfa Laval has now combined several of the latest technological features for brazed plate heat exchangers into one single design: the Alfa Laval CB210. The newly launched heat exchanger promises to boost performance for a wide range of heating and cooling applications, giving customers more opportunities to increase both capacity as well as thermal efficiency.

“We have been working closely with customers to better understand the types of technical challenges posed by today’s heating and cooling applications,” explains Fredrik Ekström, President of the Brazed & Fusion Bonded Heat Exchangers Business Unit at Alfa Laval. “In an effort to better meet these modern demands, we have taken a modern approach with the CB210, bringing together the benefits of all our most recent thermal transfer innovations.”

Increased capacity in the same footprint

One of the key developments in the new CB210 is a larger port design that enables flow rates up to 30% higher than earlier heat exchanger generations. This, in turn, translates to increased capacities within the same dimensions as previous models.

“Combined with new manufacturing capabilities that make it possible for us to produce larger plate packages, CB210’s redesigned port holes support much greater capacities than its predecessors,” explains Richard Torssell, Product Manager at Alfa Laval. “In addition to replacing older units with a similar footprint, the increased capacity means that in some cases, larger sized systems will even be able to upgrade to the new CB210.”

Innovative solutions to boost thermal efficiency

The CB210 also includes several features for increasing the overall thermal efficiency of a heating or cooling system. Among these are designs for improved media distribution across the plate surface, which allows customers to more fully take advantage of the unit’s heat transfer area.

“All CB210 heat exchangers can also be built using Alfa Laval’s innovative FlexFlow asymmetrical plate design,” Torssell continues. “This means that we can work with customers to configure a channel design that is optimized to their specific media and applications, ensuring the best possible fit for the duty in question.”

Suitable for many applications

Because of its size, increased capacity and improved thermal performance, Alfa Laval sees possibilities for the CB210 in a variety of heating and cooling systems. “The new design will offer particular benefits for HVAC, industrial, district heating and cooling, and tap water duties,” says Roman Rathsack, OEM Manager at Alfa Laval. “As with our other CB models, a special design of the CB210 will also be available for oil cooling applications.”

To learn more about CB210 and the complete Alfa Laval portfolio of brazed and fusion bonded plate heat exchangers, visit www.alfalaval.com.

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Editor’s notes

About Alfa Laval

Alfa Laval is a leading global provider of specialized products and engineering solutions based on its key technologies of heat transfer, separation and fluid handling.

The company’s equipment, systems and services are dedicated to assisting customers in optimizing the performance of their processes. The solutions help them to heat, cool, separate and transport products in industries that produce food and beverages, chemicals and petrochemicals, pharmaceuticals, starch, sugar and ethanol.

Alfa Laval’s products are also used in power plants, aboard ships, oil and gas exploration, in the mechanical engineering industry, in the mining industry and for wastewater treatment, as well as for comfort climate and refrigeration applications.

Alfa Laval’s worldwide organization works closely with customers in nearly 100 countries to help them stay ahead in the global arena. Alfa Laval is listed on Nasdaq OMX, and, in 2018, posted annual sales of about SEK 40.7 billion (approx. 4.0 billion Euros). The company has about 17 200 employees.

www.alfalaval.com