Alfa Laval unveils groundbreaking solutions to support sustainable cities at Chillventa 2024

Alfa Laval, a global leader in heat transfer technology, is introducing energy-efficient plate heat exchangers for industrial, commercial, and residential heat pumps to support its sustainable cities initiative. Cities consume two-thirds of global energy and produce 70% of carbon emissions. Achieving net-zero targets requires enormous efficiency improvements in cities worldwide. Alfa Laval is working to pioneer positive impact using innovative heat exchanger technology.

Making heat pumps more compact and energy-efficient
In collaboration with manufacturers, Alfa Laval has implemented various climate-smart heat pump projects across Europe's public and private sectors. These game-changing solutions will debut at Chillventa 2024, NürnbergMesse, October 8-10. Experts from Alfa Laval will share informative first-hand insights and keynote presentations.

Julien Gennetier, President of Business Unit Gasketed Plate Heat Exchangers says "*Participating in Chillventa is a good opportunity for Alfa Laval to showcase its latest innovations in refrigeration and heat pump technology including the largest capacity ammonia heat pump condenser – strengthening Alfa Laval's commitment to drive energy efficiency in the development of sustainable cities. We are always proud to present solutions that help our customers to reach net zero across all industries*".

Malgorzata Moczynska, President of Business Unit Brazed & Fusion Bonded Heat Exchangers, highlights the latest addition to the portfolio. *"We are proud to introduce our new SE range of brazed heat exchangers at Chillventa. All units in this range are specifically designed for use with flammable natural refrigerants in heat pumps and air conditioning systems. They offer exceptionally high thermal efficiency and maximum performance with a minimal refrigerant charge. The commitment to safety and efficiency is evident both in the name and the performance of these units"*.

Maximising waste heat utilization

Heat pumps with energy-efficient plate heat exchangers can harness even the tiniest amounts of waste heat from sources like municipal wastewater, seawater, data centres, or industrial processes for reuse in other heating and cooling processes. Increasingly, these systems use natural refrigerants like hydrocarbon, carbon dioxide, and ammonia. Alfa Laval's compact and robust heat exchangers efficiently harness various energy sources. They safely use natural refrigerants, meet diverse pressure and temperature requirements, and can be incorporated into ATEX-compliant systems.

For more details, visit [Alfa Laval at Chillventa](#).

Editor's notes

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 creating 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 decarbonising 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 some 100 countries, employs more than 21,300 people, and annual sales in 2023 were SEK 63.6 billion (5.5 BEUR). The company is listed on Nasdaq Stockholm.
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