



Innovative heat exchangers
that make a difference



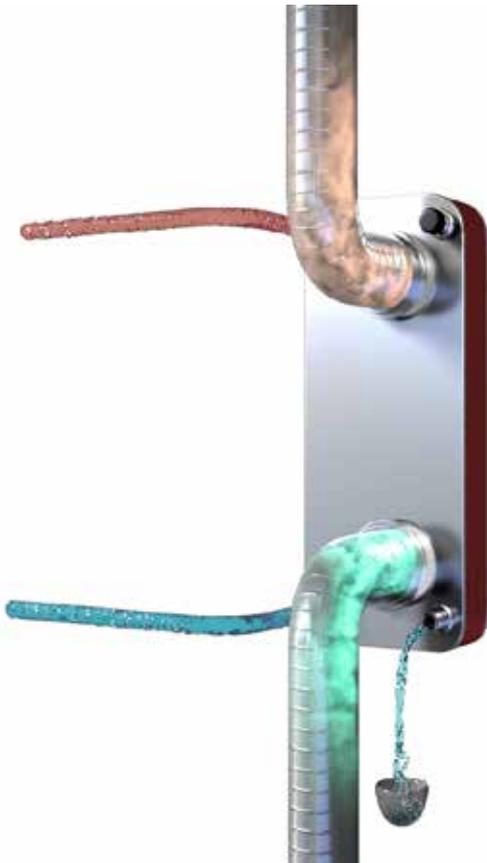
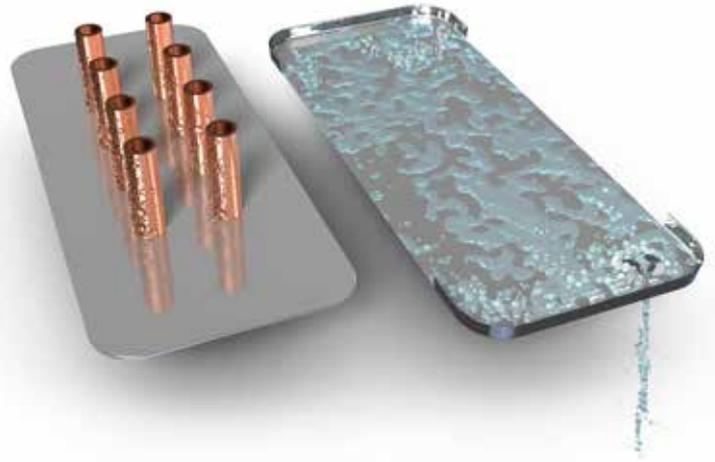
The Technology

Plate is better than tube

Plate heat exchangers are far more efficient and compact than heat exchangers based on tubes. We focus on **unique stainless steel plate heat exchanger** designs for target applications where standard products commonly available on the market do not meet the customer's need. Our products are protected globally by a wide range of patents.

Superior condensing capacity

When a gas is cooled below its saturation point, the condensation that occurs results in a large energy transfer. Airec's plate heat exchangers offer much higher condensing performance compared with traditional heat exchangers.



Asymmetrical design

Airec focuses on optimizing plate heat exchanger designs for applications where traditional plate heat exchangers are not suitable, typically **gas-to-liquid** heat transfer with **highly asymmetrical flows**.

High gas temperature

Their patented plate design enables Airec heat exchangers to handle the high gas temperatures in many applications. The Airec design has been proven a very reliable technical solution, with thousands of installed units running problem-free for many years.



The Products

Heat exchangers

Cross 30 systems



The Cross and Compact families

PS (Plates-in-Shell) - for superior performance and easy maintenance

The Applications

CHP



The Compact range offers higher performance, including condensation ratio, with excellent compactness when serving as exhaust gas heat exchangers in CHP machines up to 200 kWel.

More and more CHP producers are switching to Airec models to benefit from these advantages.

Compressors



The Compact air/liquid heat exchanger combines higher thermal performance with lower pressure drop. Less space is required compared with traditional air/liquid heat exchangers.

Heat recovery



Heat recovery from warm gases using Airec heat exchangers gives rapid payback and huge environmental benefits.

For low-pressure steam, the Airec combination of high performance with low pressure drop often offers payback within one year.

Process



The superior condensing capacity of Airec heat exchangers is utilized in gas cleaning, chemical, pharmaceutical, and other process applications.

Cryogenics



For cryogenic gas/gas applications, Airec offers both the capacity to deliver superior heat exchanger systems and the competence to handle system design and certification procedures. Airec systems already in operation have over 99% thermal efficiency.

High-pressure systems



As a water-cooled intercooler, Compact offers a more compact design and higher performance with a much lower requirement for cooling water compared with traditional intercoolers.

The engineer's best friend

Airec's superior heat exchangers enable engineers to design energy-saving products and systems that are far more efficient and compact. Our passion is to serve our customers, and our competence is utilized in joint development projects with leading global companies to integrate Airec technology into their products and systems.

Airec's R&D team uses the latest software technologies in the process.



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