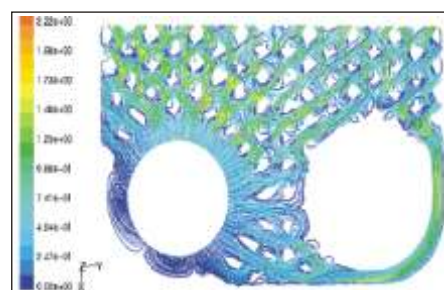


EXPERIENCE MORE EFFICIENT HEAT TRANSFER SOLUTIONS IN YOUR INDUSTRIAL APPLICATION

The list of applications that operate more efficiently with compact brazed heat exchangers, CBEs, is a long one: beverage coolers, co-generation systems, de-ionized water systems, hydraulic oil coolers, lube oil coolers and onboard coolers. New applications are added constantly, and today you will find SWEP CBEs in virtually all kinds of solutions in the global market. Alongside the increase in the areas of use, there is also a rapid technological changeover to modern high-efficiency SWEP CBEs where traditional rubber-gasketed plate heat exchangers and shell-and-tubes were previously used.

Extensive research and development combined with effective use of CFD (Computational Fluid Dynamics) have enabled us to offer the market's most comprehensive range of products for all types of heat transfer applications. And by using standardized components, we can cost-effectively mass customize the product precisely to your needs.

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Simulation is one of the most important stages in the development of new and existing CBEs. The ability to evaluate different plate patterns by simulating flow rate and directions offers great opportunities for improved functionality.



Each SWEP CBE is delivered with full traceability and verified functionality. A SWEP CBE is approved by leading independent international bodies, such as PED, UL, KHK and CSA.



SWEP offers a number of services that allow you to improve your knowledge within the heat transfer area. Improve your knowledge of advanced heat transfer theory by using one of our customer handbooks.

SWEP is a rapidly growing international company in the heat transfer field. Decades of creative work, leading-edge competence and committed SWEP people have resulted in the world's most effective offer of products. World-leading within its field, SWEP constantly advances the front line in order to be able to use the very latest technology. SWEP's aim is constantly to offer its customers excellent performance, economy and service. Today, SWEP is close to its customers, with representation in more than 50 countries and its own dedicated salesforce in more than 20 countries. With highly efficient production units in Sweden, Switzerland, USA and Malaysia it is possible to serve customers all over the world. The company is part of the global Dover Corporation.



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COMPACT BRAZED HEAT EXCHANGERS

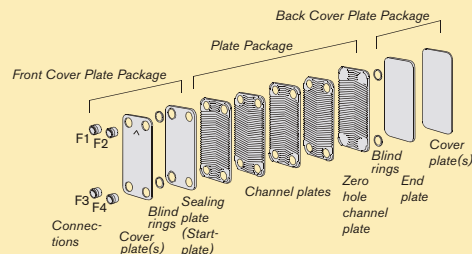
FOR INDUSTRIAL APPLICATIONS



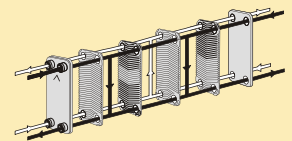
A COMPLETE RANGE OF DEDICATED CBEs FOR INDUSTRIAL APPLICATIONS

The concept

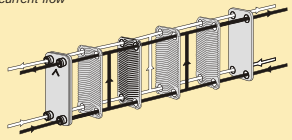
In principle, a CBE is constructed as a plate package of corrugated channel plates between front and rear cover-plate packages. The cover plate packages consist of sealing plates, blind rings and cover plates. During the vacuum-brazing process, a brazed joint is formed at every contact point between the base and the filler material.



The fluids can pass through the heat exchanger in different ways. For parallel flow CBEs, there are two different flow configurations: co-current or counter-current.

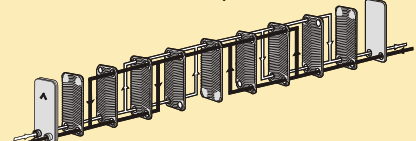


Counter-current flow

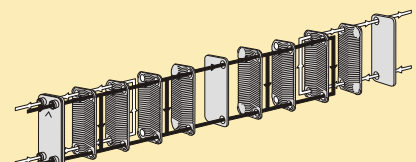


Co-current flow

There are several different versions of the channel plate packages. Below are some examples.



Two-Pass CBE (L2P), which corresponds to two units connected in series.



Conventional dual-circuit CBE.

