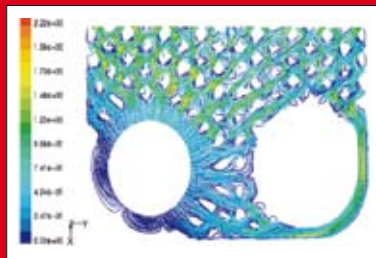


Experience more efficient heat transfer solutions in your heating application

The list of applications that operate more efficiently with compact brazed heat exchangers, CBEs, is a long one: boilers, steam, snow melting, floor heating, solar panels, cooling towers, district heating and sanitary water applications. 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. We can always offer you more, thanks to our complete program of effective aids. SSP, the SWEP Software package that we have developed for dimensioning exchangers and dynamic drawing generation, is the soft way to get hard facts. Or why not do some indepth reading in advanced heat transfer theory in one of our handbooks? Contact one of our expert heat transfer consultants today to find out more about SWEP CBEs and more efficient heat transfer solutions.



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.



Our "Technical Handbook about Heating Applications" offers you every opportunity to broaden your competence, with first-class information about everything from basic heat transfer to gas boilers and district heating systems.

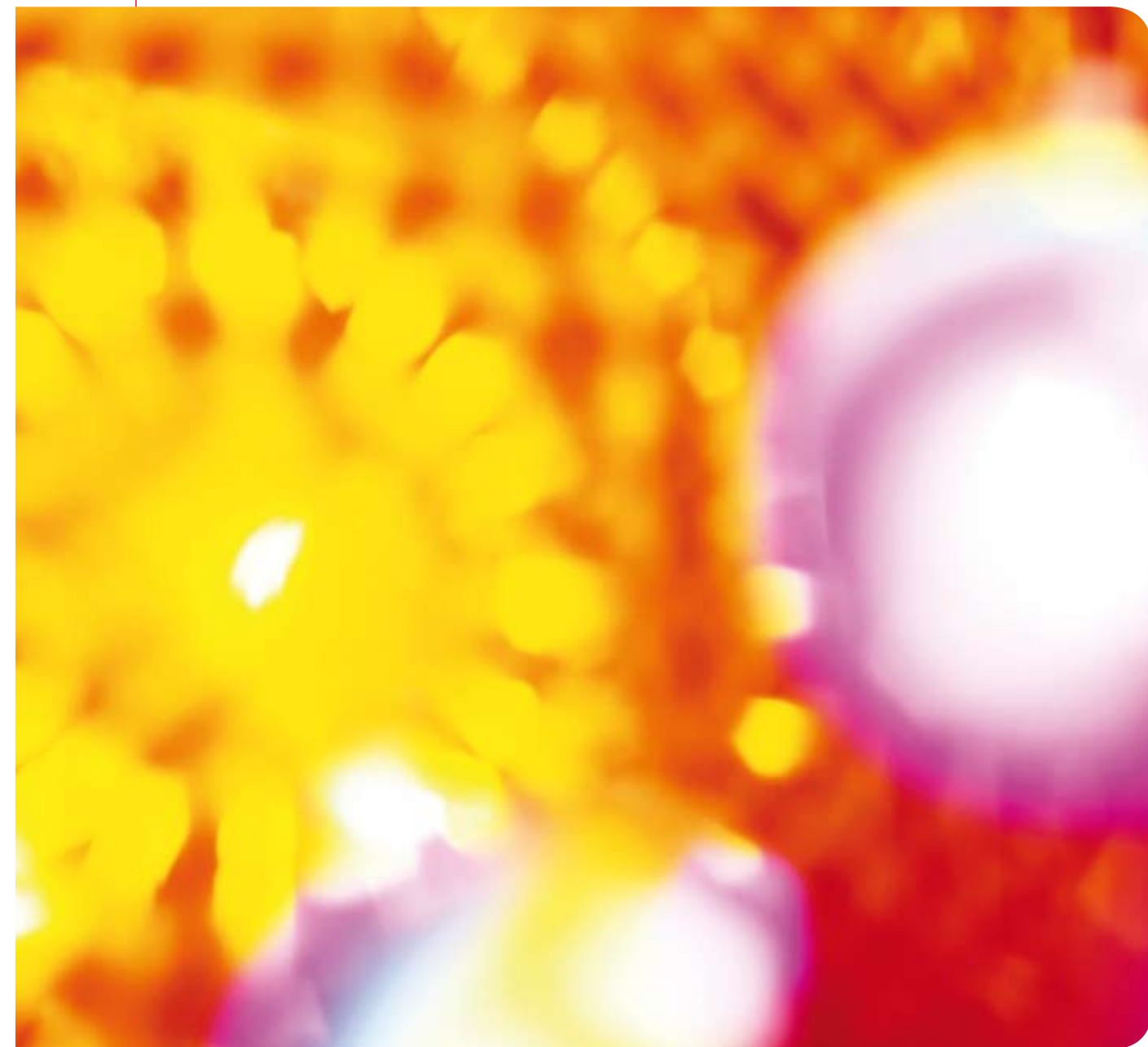


SWEP
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SWEP is the world's leading supplier of compact brazed heat exchangers (CBEs). These products are used where heat needs to be transferred efficiently in air conditioning, refrigeration, heating and industrial applications. SWEP has annual sales of USD 250 million and is close to its customers, with representation in more than 50 countries and its own dedicated sales force in more than 20 countries. Highly efficient production units in Sweden, Switzerland, the USA, Malaysia, Slovakia and China enable SWEP to serve customers all over the world. SWEP is part of the global Dover Corporation, which is a multi-billion-dollar, NYSE-traded, diversified manufacturer of a wide range of proprietary products and components for industrial and commercial use.

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Compact brazed heat exchangers For heating applications



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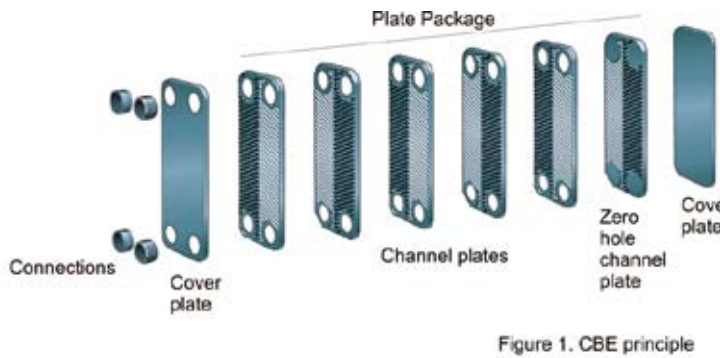
A complete range of dedicated CBEs for heating applications

Max flow is calculated for a port velocity of 5,5 m/s on secondary side.

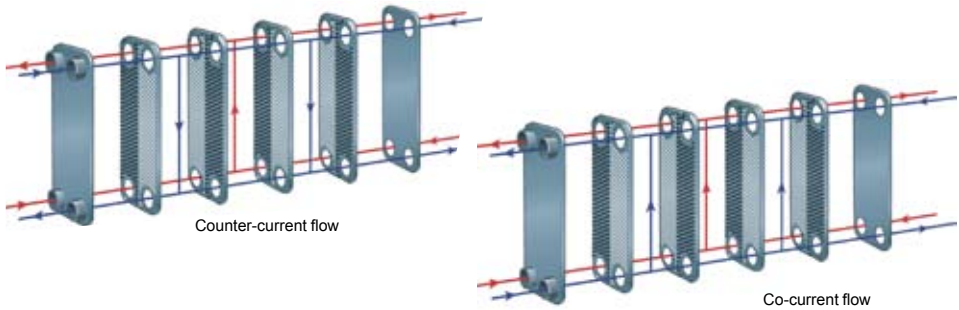
E5T  Dimension 73 x 192 mm 2.87 x 7.55 in Weight 0.33+0.044x (NoP-2) kg 0.7+1xNoP lb Max NoP 60	B5  Dimension 72 x 187 mm 2.84 x 7.45 in Weight 0.6+0.044xNoP kg 1.4+0.1xNoP lb Max NoP 60	E8T  Dimension 73 x 315 mm 2.87 x 12.40 in Weight 0.54+0.7x (NoP-2) kg 1.2+0.2xNoP lb Max NoP 40	B8  Dimension 72 x 310 mm 2.84 x 12.20 in Weight 0.9+0.07xNoP kg 2+0.2xNoP lb Max NoP 60	B10T  Dimension 117/119 x 287/289 mm 4.61/4.68 x 11.31/11.37 in Weight 1.4+0.09xNoP kg 3.1+0.2xNoP lb Max NoP 140	B12  Dimension 117 x 287 mm 4.61 x 11.31 in Weight 1.7+0.116xNoP kg 3.2+0.3xNoP lb Max NoP 140	B15  Dimension 72 x 465 mm 2.84 x 18.32 in Weight 1.3+0.106xNoP kg 2.9+0.2xNoP lb Max NoP 60	B16  Dimension 119 x 376 mm 4.69 x 14.8 in Weight 1.5+0.114xNoP kg 3.8+0.3xNoP lb Max NoP 140	B16DW  Dimension 119 x 377 mm 4.69 x 14.85 in Weight 1.6+0.23xNoP kg 3.5+0.5xNoP lb Max NoP 140
B25T  Dimension 117/119 x 524/526 mm 4.61/4.68 x 20.65/20.71 in Weight 2.1+0.17xNoP kg 4.6+0.4xNoP lb Max NoP 140	B28  Dimension 119 x 526 mm 4.69 x 20.72 in Weight 2.1+0.17xNoP kg 5+0.4xNoP lb Max NoP 140	B35  Dimension 243 x 393 mm 9.57 x 15.48 in Weight 6.7+0.336xNoP kg 15.4+0.7xNoP lb Max NoP 250	B56  Dimension 243 x 525 mm 9.57 x 20.69 in Weight 16+0.431xNoP kg 35.3+1xNoP lb Max NoP 250	B57  Dimension 243 x 693 mm 9.57 x 27.30 in Weight 16+0.565xNoP kg 35.3+1.2xNoP lb Max NoP 280	B60  Dimension 364 x 374 mm 14.34 x 14.74 in Weight 13+0.47xNoP kg 28.7+1xNoP lb Max NoP 300	B120T  Dimension 243 x 525 mm 9.50 x 20.65 in Weight 10+0.374xNoP kg 22+0.8xNoP lb Max NoP 250	B427  Dimension 304 x 694 mm 11.97 x 27.32 in Weight 29+0.62xNoP kg 63.9+1.4xNoP lb Max NoP 280	B439  Dimension 304 X 979 mm 38.57 x 11.98 in Weight 21+0.93xNoP kg 46.3+2.1xNoP lb Max NoP 360

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.



There are several different versions of the channel plate packages. Below is one example.

