

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.

A step towards a more efficient refrigerant industry

Air dryers, chillers, cascade heat pumps and refrigeration systems are typical examples of applications that operate more efficiently using compact brazed heat exchangers(CBEs). The list of new applications is growing continuously, and today you will find SWEP CBEs in virtually all kinds/sorts of applications in the global refrigerant market. Alongside the increase in the areas of use, there is also a rapid technologicalchangeover to modern high-effi-ciency SWEP CBEs where shelland-tubes were previously used. Extensive research and develop-ment combined with effective use of CFD (Computational Fluid Dyna-mics) have enabled us to offer the market's most comprehensive range of condensers, desuperheaters, evaporators and subcoolers for all types of refrigerant 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 SWEPSoftware package that we have developed for dimensioning ex-changers and dynamic drawing generation, is the soft way to get hard facts. Or why not do some in-depth reading in our Refrigerant Handbook, the complete handbook for CBE refrigerant applications? Contact one of our expert heat transfer consultants today to find out more about SWEP CBEs and energy-saving solutions.

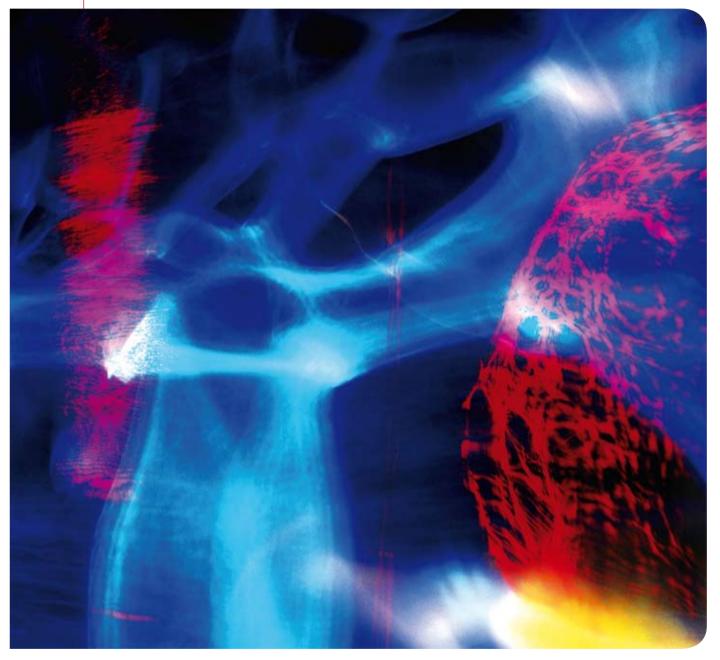


Our "Technical Handbook about Refrigerant Applications" offers you every opportunity to broaden your competence, with first-class information about everything from basic heat transfer to gas boilers and district heating systems.

SWEP 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

frigeration, 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, NY-SE-traded, diversified manufacturer of a wide range of proprietary products and components for industrial and commercial use.

Compact brazed heat exchangers For refrigerant applications



2030-9540-R2





A complete range of dedicated CBEs for refrigerant applications



72 x 187 mm 2.84 x 7.45 in 0,6+0,044xNoP kg 1.4+0.1xNoP lb



72 x 310 mm 2.84 x 12.20 in 0,9+0,07xNoP kg Weight 2+0.2xNoP lb





117/119 x 287/289 mm 4.61/4.68 x 11.31/11.37 in 1.4+0.09xNoP kg Weight 3.1+0.2xNoP lb



117 x 287mm 4.61 x 11.31 in 1,7+0,116xNoP kg 3.2+0.3xNoP lb



72 x 465mm 2.84 x 18.32 in 1,3+0,106xNoP kg Weight 2.9+0.2xNoP lb

B15

DB200

DV200

DP200

Weight



4.61/4.68 x 20.65/20.71 in 2,1+0,17xNoP kg 4.6+0.4xNoP lb



9.57 x 15.48 in 6,7+0,336xNoP kg Weight 15.4+0.7xNoP lb



243 x 525 mm 9.57 x 20.62 inch 13,8+0,43xNoP kg Weight 34.2+0.9xNoP lb



9.57 x 20.69 in 16+0.431xNoP kg Weight 35.3+1xNoP lb



243 x 693 mm 9.57 x 27.30 in 16+0.565xNoP kg Weight 35.3+1.2xNoP lb



364 x 374 mm 14.34 x 14.74 in 13+0.47xNoP ka 28.7+1xNoP lb





4.6+0.4xNoP lb

2,1+0,17 (0,186) xNoP kg



9.50 x 20.65 in 10+0,374xNoP kg 22+0.8xNoP lb



243 x 525 mm 9.50 x 20.65 in 10,7+0,37xNoP kg 23.6+0.8xNoP lb



243 x 525 mm 9.57 x 20.69 in 10,9+0,42xNoP kg 24+0.9xNoP lb



304 x 694 mm 11.98 x 27.34 in 17+0,6 (0,63)xNoP kg 37.5+1.3xNoP lb



304 x 694 mm 11.98 x 27.34 in 15,4+0,58xNoP kg Weight 34+1.3xNoP lb

DB400 DS400 DV400

DP400



304 x 694mm 11.97 x 27.32 in Weight 29+0.62xNoP ka

S500T **VH500T**

11.98 x 38.59 in 21+0.96xNoP kg

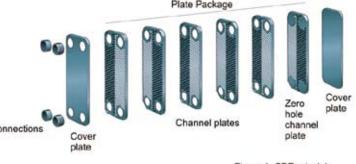


Weight

304 x 980 mm 11.98 x 38.59 in 20+0,93 (0.96)xNoP kg 44.1+2.1xNoP lb

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: cocurrent or counter-current.



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

63.9+1.4xNoP lb

