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Reduced footprint with SWEP's CO2 transcritical booster and water loop

LANDSKRONA, Sweden, January 1, 2017 – Targeting supermarkets, SWEP meets the demands in the refrigeration segment with a complete range of brazed plate heat exchangers that are engineered to deliver the highest COP and the lowest life-cycle cost.

SWEP's portfolio for gas cooler applications includes the B17, B18 and the newly released B185, enabling the recovery of heat generated by refrigeration equipment from 10 to 350 kW (3-100 tons). The advanced technology allows for a working pressure of up to 140 bar (2031 psi) without any external frame, offering an extremely versatile solution that is easy to install and handle.

SWEP, focusing on water loop technology, has also been able to solve the potential "inefficiency" introduced in a system by using a secondary loop. The new asymmetric B8LAS and B26 have been tested as condensers, enabling a temperature approach of 1.0K (2°F). This can be compared to a regular brazed plate heat exchanger that is able to offer 5.0°K (9°F). In addition, the asymmetry reduces the water pressure drop, minimizing the power consumption of the pump.

	<p><i>The compact yet lightweight B17 is an excellent choice for cold chain applications (supermarkets, transport cooling, heat recovery, economizers), for heat pumps (evaporator and gas cooler) and for mobile air-conditioning (internal heat exchanger).</i></p>	<p>Photo: SWEP</p>
	<p><i>With pressure requirements for transcritical CO2 applications touching 140 bar, the B185 is the natural choice. The B185 is optimized for high heat load capacities (up to 350 kW or 2031 psi as a gas cooler).</i></p>	<p>Photo: SWEP</p>

About SWEP

SWEP is the world’s leading supplier of compact brazed plate heat exchangers (BPHEs). These products are used where heat needs to be transferred efficiently in air conditioning, refrigeration, heating, and industrial applications. SWEP 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.

About brazed plate heat exchangers

A brazed plate heat exchanger consists of corrugated plates, combined to create complex channels through which a hot medium and a cold medium can be distributed. The media flow in separate circuits but come into close proximity, allowing heat to be transferred from one to the other with very high efficiency. The number, type, and configuration of the cover plates can be varied to achieve the required thermal properties.

SWEP’s BPHEs are now AHRI certified!

If you are looking for the additional security of third-party verified performance, the SWEP A range is the choice. As the first brazed plate heat exchangers to be certified by AHRI (the Air-Conditioning, Heating, and Refrigeration Institute), they are well suited for HVAC, district heating, and district cooling applications.

