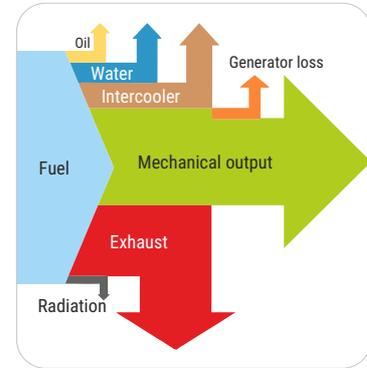
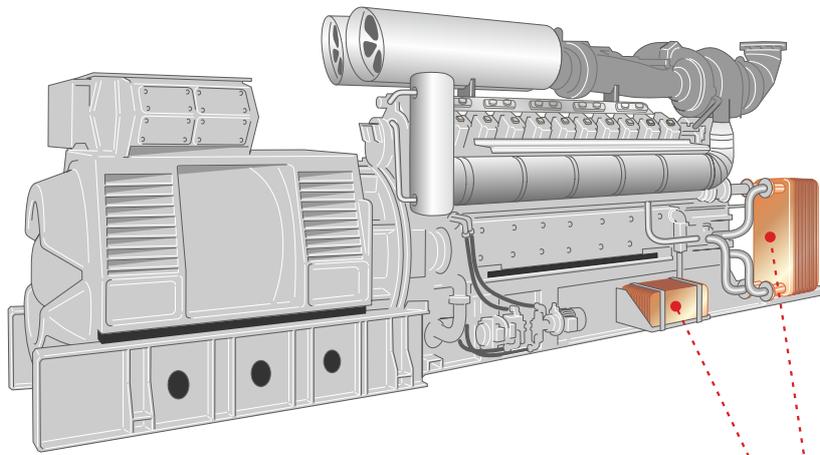


SWEP'S SOLUTIONS FOR COMBINED HEAT & POWER

CHALLENGE EFFICIENCY

SWEP
A DOVER COMPANY

Onsite/distributed power generation system



Exhaust gas cooler



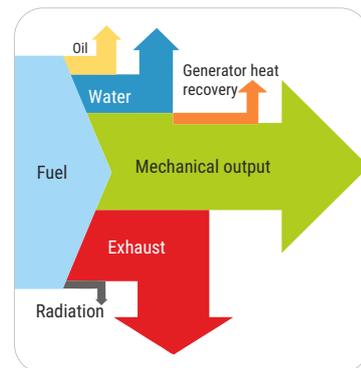
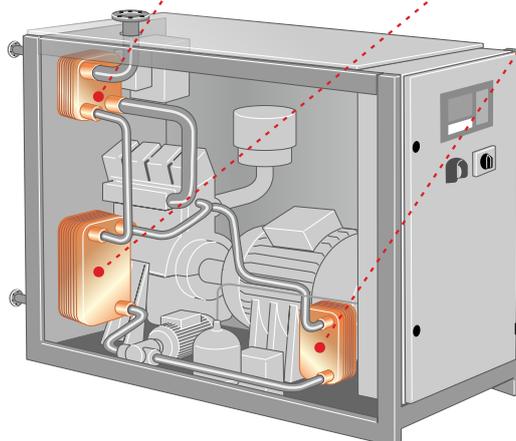
- Compact and modular design
- High temperature resistance
- Material efficiency
- Accessibility and short lead times

Oil/Jacket water cooler



- High thermal performance
- Compact and modular design
- Convenient integration
- Vibration resistance
- Can be equipped with fail-safe design (double wall)

Light commercial μ CHP



Efficiency gains from energy recovery

- Over 90% total energy efficiency with combined heat and power production
- Exact match with high performance and quick response for longer maintenance intervals
- Water-cooled generator adds to heating capacity and minimizes unwanted heat radiation
- Lower emission levels and higher engine output with an efficient charge air cooler

Recommendations and Quick selections

- All brazed plate heat exchangers maintained via regular cleaning in place, with no spare parts required.
- Scaling and fouling should be addressed depending on water quality, temperature case, and usage of filter. SWEP recommends a filter to avoid particles larger than 1 mm.
- When risk for thermal stress, water should run continuously during start up and shut down (e.g. exhaust gas cooler)

Circuit	Primary	Secondary
Fluid	SAE 40W	Glycol (50%)
T _{in} (°C/°F)	95/203	60/140
T _{out} (°C/°F)	85/185	65-70/149-158
Rated engine power	50-15000 kW	
Pressure drop (kPa/psi)	70/10.2	50/7.3

Circuit	Primary	Secondary
Fluid	Glycol (50%)	Water H ₂ O
T _{in} (°C/°F)	95/203	70/158
T _{out} (°C/°F)	85/185	90/194
Rated engine power	50-13000 kW	
Pressure drop (kPa/psi)	50/7.3	50/7.3

Circuit	Primary	Secondary
Fluid	Exhaust gas	Water H ₂ O
T _{in} (°C/°F)	500/932	80/176
T _{out} (°C/°F)	125/257	90/194
Rated engine power	20-200 kW	
Pressure drop (kPa/psi)	2/0.3	50/7.3

Oil cooler



Jacket water cooler



Exhaust gas cooler



Entrepreneurship for the future

What started with two Swedish entrepreneurs in a garage in 1983 is now a global corporation with 900 employees, five manufacturing facilities, and a production capacity of more than 3,000,000 brazed plate heat exchangers every year. The founders were pioneers taking a chance with a technology they believed in, and to which they dedicated their passion, creativity, and personal commitment. This spirit is still present in today's SWEP, making us keep pushing the borders of what is possible. Driven by the conviction that our products are part of a sustainable future, we challenge efficiency, and we challenge our partners to do the same.

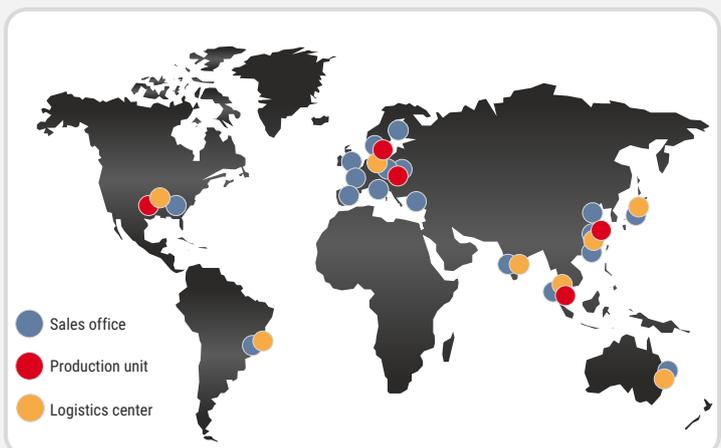
Our owners

A multi-billion dollar, global producer of innovative equipment, specialty systems, and value-added services for industrial products.

- >50 independent companies
- Customers in >100 countries
- dovercorporation.com



Production core competences



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, 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.

