

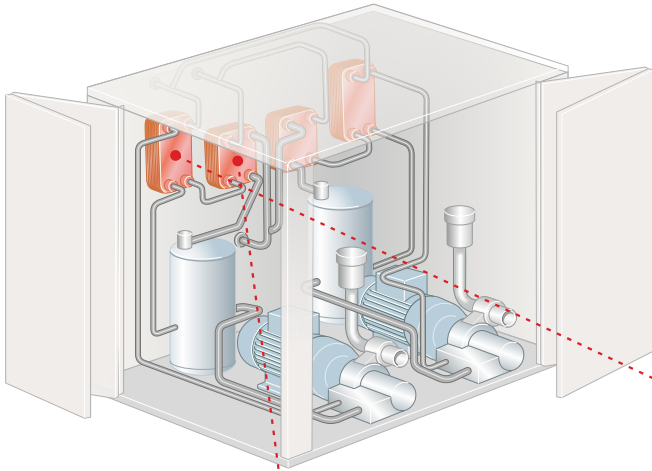


SWEP'S UNIQUE SOLUTIONS FOR AIR COMPRESSORS

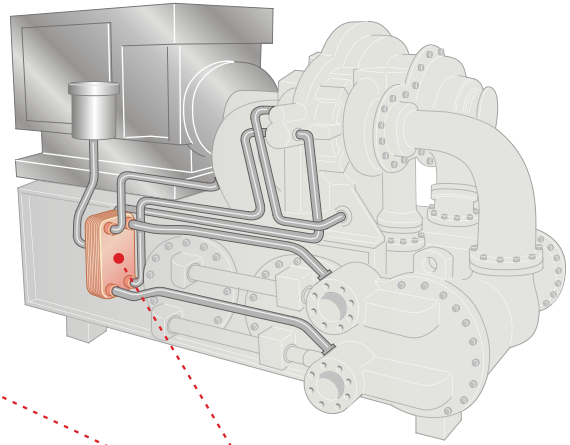
CHALLENGE EFFICIENCY

SWEP
A DOVER COMPANY

Oil-lubricated rotary screw compressor



Oil-free centrifugal compressor



Inter/after-cooler



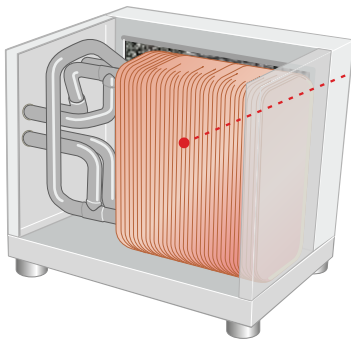
- Compact and modular design
- High thermal performance
- Material efficiency
- Accessibility and short lead times

Oil/fluid cooler



- Compact and modular design
- High thermal performance
- Material efficiency
- Accessibility and short lead times
- Can be equipped with fail-safe design (double wall)

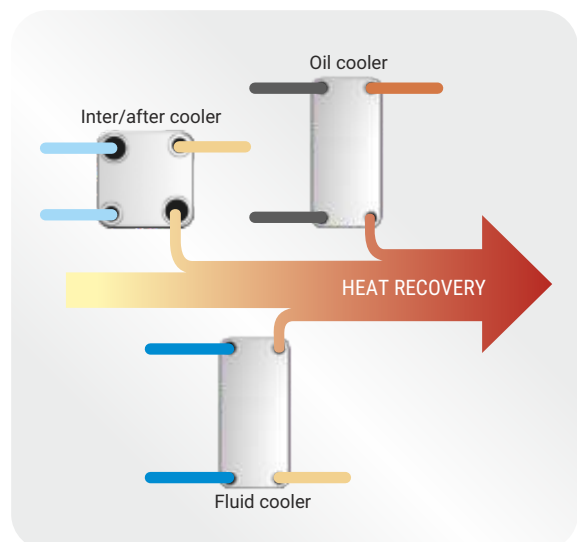
External heat recovery system



Energy recovery increases efficiency

- Approximately 96% of the total electrical input can be recovered
- 6 months payback*
- In oil-lubricated compressors, oil cooling is the main energy source, providing up to 81% recovery. Compressed air provides an additional 15% recovery.
- In oil-free compressors, compressed air is the main energy source, providing up to 91% recovery. Transmission oil cooling provides an additional 5% recovery.

*based on a 20 kW / 27 HP compressor. Working 5 days per week and 16 hours per day, recovering 80% of the energy input at an electricity cost of 0.14 USD.



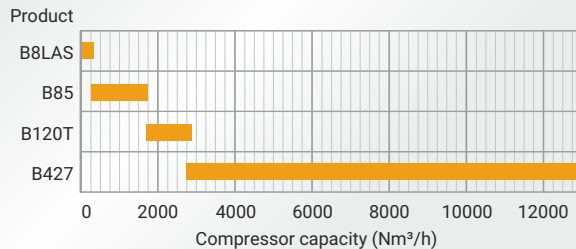
Recommendations and Quick selections

- 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)

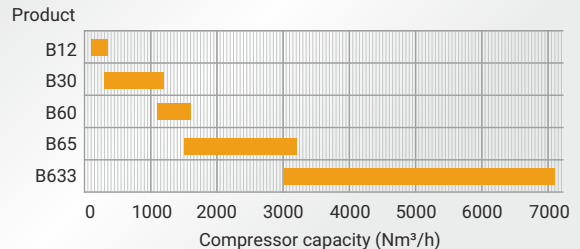
Circuit	Oil side	Water side
Fluid	ISO VG 46	Water
T _{in} (°C/°F)	80/176	45/113
T _{out} (°C/°F)	60/140	70/158
Compressor capacity (Nm ³ /h/scfm)	40-13000/20-7500	
Pressure drop (kPa/psi)	50/7.3	30/4.4

Circuit	Air side	Water side
Fluid	Air 7 bar(g)	Water
T _{in} (°C/°F)	80/176	20/68
T _{out} (°C/°F)	40/104	40/104
Compressor capacity (Nm ³ /h/scfm)	20-7100/10-4000	
Pressure drop (kPa/psi)	10/1.5	20/2.9

ISO VG 46 - Water



Compressed air 7 bar(g) - Water



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.

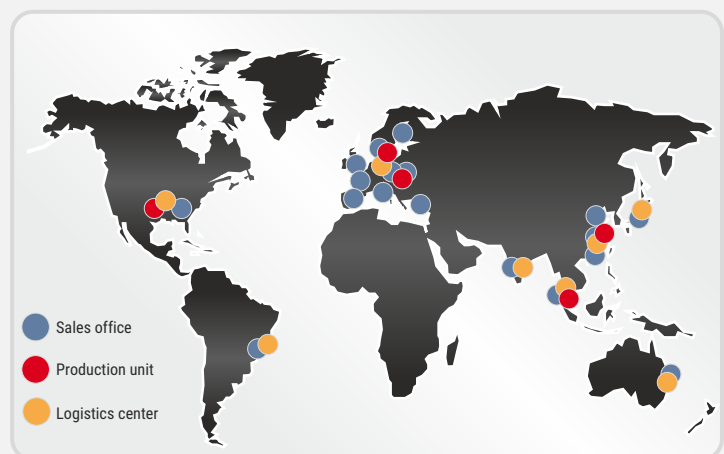
Our owners

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.

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