

Sabroe products – engineered to perfection

Our line of high-performance products is specifically engineered to deal with large-scale industrial refrigeration installations. Each unit is designed and built to be reliable with low operating costs. Each component is configured to ensure low maintenance costs as a result of good accessibility and ease of service.







CAFP CO₂ / NH₃ Low-Temperature Chiller

The best of both worlds on low- and

nigh-temperature sides.

Capacity: 85-790kW

Highly customisable freezer systems using R744 and R717.

Fixed or variable speed, R717 and R744 (carbon dioxide)



HeatPAC Heat Pumps

Water up to 95°C

DualPAC Heat Pumps

High temperature lifts

Heating capacity: 400-3,000kW

pump installations, such as district heating.

Temperature up to 72°C or 95°C

Capacities from 2MW to 25MW

cost of plant ownership

Also available for retrofit

web connectivity

services schemes

VSD and FSD motor drive panels

electrical and controls technologies.

A-Frame VSD Panel

technologies.

Low operating costs

Water up to 95°C

· Variable speed, R717

HicaHP Heat Pumps

UniSAB 4

Extremely compact design based on ultra-reliable

Ideal for district heating and ground-source cooling.

Combining ChillPAC and HeatPAC into one single heat

High-capacity heat pumps developed for large-scale heat

SabroeContro

Optimised at 40 bar or 63 bar design pressure

Proven, efficient compressor protection and capacity regulation

Industrial communication protocols and secure

For accurate, continuous monitoring of the bearing vibration

Adding additional safety margin to normal compressor

levels in Sabroe screw compressors and their motors.

Sabroe Vibration Monitoring System (SVM)

Fit for condition-based service paradigms

Electrical panel solutions for refrigeration compressor

Low cost of ownership now and in the future

units with variable-speed drive (VSD) and fixed-speed

drive (FSD). Integrates the unique Sabroe know-how with

Separate VSD and control panel for Sabroe A-frame screw

compressor units where a small footprint is key. Integrates

the unique Sabroe know-how with electrical and controls

Intelligent limiter system for maximum compressor uptime

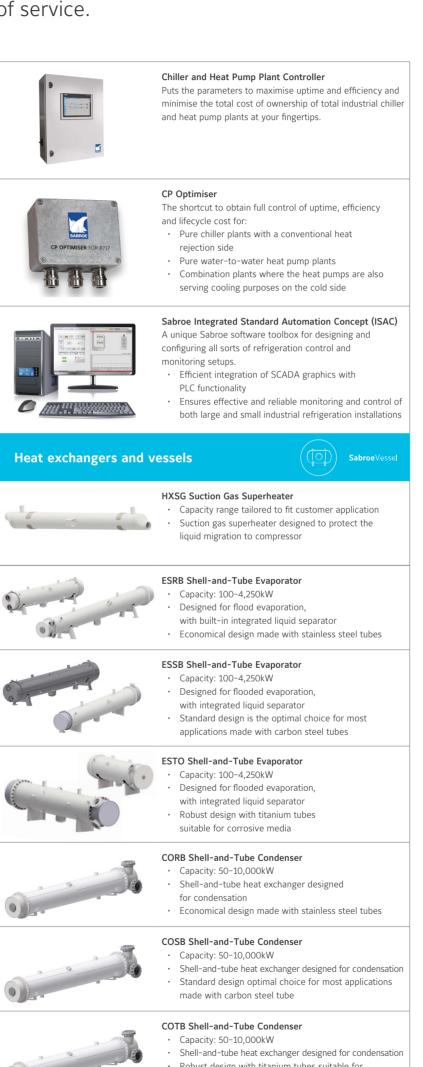
Multisab++ load distribution system for minimum total

Reciprocating compressor, variable speed only, R717

Sabroe HPO / HPC / HPX compressors.

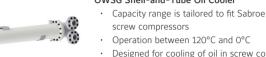
Heating capacity: 100-2,700kW

(ammonia, <50kg charge)









OWSG Shell-and-Tube Oil Cooler

- Operation between 120°C and 0°C
- Designed for cooling of oil in screw compressors



EOSE Spiral Flash Economiser

- · Closed flash economiser with an integrated separator Capacity range is tailored to fit Sabroe screw
- Operation between 50°C and -40°C



SVER Open Flash Economiser

- · Capacity range tailored to fit the Sabroe screw
- · Designed to sub-cool liquid refrigerant from condenser
- to improve cooling capacity and efficiency of a system
- Integrated liquid separator



ECSO Shell-and-Tube Cascade Cooler

Capacity: 75-2,000kW

- Designed for R717 (ammonia) / R744 (carbon dioxide) operation and can also be used as an intermediate cooler in refrigerant circuits
- Integrated liquid separator Economical design made for increased efficiency, reduced charge and increased compressor protection



DISS Shell-and-Tube Desuperheater

- Capacity: 50-10,000kW
- Designed for desuperheating of discharge gas in tubes
- Operation between 120°C and 0°C
- · Provides low pressure drop on refrigerant side



Receivers and Oil Vessels

Tailor-made vessels and heat exchanger ranges with both vertical and horizontal receivers for on-site installation. Also available for oil drain vessels in both vertical and

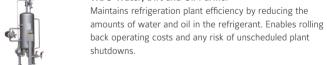
Aftermarket solutions



AP1000 Air Purger

Designed to maintain the efficiency of an R717-based (ammonia-based) refrigeration setup by removing any air present in the refrigerant charge.









A combined air and water purging system that can handle all sizes of industrial refrigeration systems that use R717 as refrigerant. It ensures that no air, water or other impurities



AP100 + Mini WDO Combined Air and Water Purger



Robust design with titanium tubes suitable for corrosive media



A combined air and water purging system that can handle all sizes of industrial refrigeration systems using R717 as refrigerant. It ensures that no air, water or other impurities are left in the system.

Visit **www.sabroe.com** for more information.



reezer installation (CO₂ and ammonia system)

Swept volume range: 1,000-7,350m³/h

Max. HPS condensing temp. is 93°C HPS

Refrigerants: Ammonia, carbon dioxide, hydrocarbons

Available as fixed or variable speed (1,000-3,600rpm)

Max. SGC HP condensing temp. is 72°C SGC HP

Heating capacity: 50-190kW

(HCs) and others