

Heat exchangers and pressure vessels based on Sabroe core knowledge

Sabroe has 125 years of experience designing and supplying components for refrigeration and heat pump systems. A heat exchanger is a key component in both systems, and we offer an extensive range of Sabroe heat exchangers and pressure vessels for both land-based and marine-based installations.

Dedicated factory and design department

In 2016, Johnson Controls acquired the Hungarian manufacturing plant FMF, which has now become our dedicated heat exchanger and vessel production facility. Together with our inhouse construction team, they can provide approvals and documentation for the following: PED, EAC, DNV, LRS, BV, ABS, MOM, DOSH, KGS and KR. Other approvals can be supplied on request.

The approvals and documentation packages are made in accordance with the following codes: CODAP, EN 13445, AD 2000, PD 5500, ASME and BSERR 20-037.

Sabroe product programme

By combining the standard range of heat exchangers and vessels with the Sabroe compressor portfolio, all the key functions in a refrigeration cycle can be covered by Sabroe products.

The Sabroe heat exchanger product range covers:

- Evaporators
- Condensers
- Oil coolers
- Suction gas superheaters
- Desuperheaters
- Closed economisers
- Cascade units

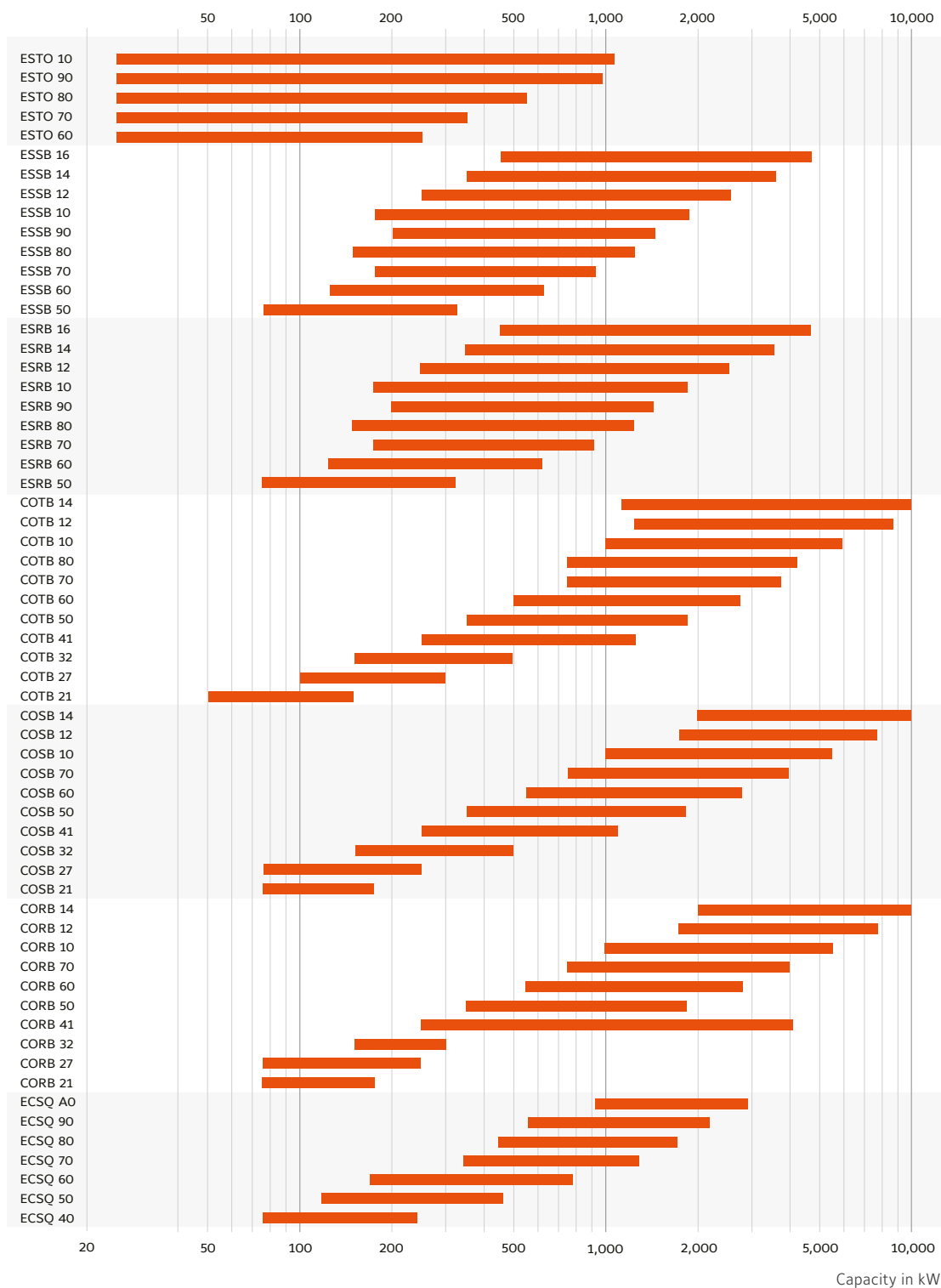
The entire Sabroe heat exchanger range is based on shell-and-tube technology. The shell-and-tube platform allows for a wide range of different configurations to ensure an excellent fit between capacity and brine flow. All designs have a proven track record and have been thoroughly tested in the Sabroe test centre.

In addition to the heat exchanger portfolio, the following types of pressure vessels are available:

- Liquid receivers
- Oil drain vessels
- Open economisers for screw units



Sabroe heat exchanger programme



Calculations are based on a 5K temperature change on the secondary side and a maximum temperature difference between secondary outlet and refrigerant of 5K

All information is subject to change without notice.

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