



SonFlow

Brazed Heat Exchangers

Efficient Heat Transfer



Permanently Sealed Brazed Heat Exchangers



SonFlow's new efficient brazed heat exchangers (SFB), are permanently sealed heat exchangers suitable for a wide variety of applications across numerous market segments.

For the brazed heat exchanger series, the key focus lies in reliability and high performance. Our talented team, with more than 40 years of experience in heat exchangers, has developed and thoroughly tested the efficient brazed heat exchangers, handling advanced heat transfer technology.

Industries

These compact brazed heat exchangers are suitable for various heating and cooling processes, including:

- General cooling/heating
- HVAC
- Refrigeration
- Industrial
- Marine
- Data centres
- Heat pump
- Solar heating

Features

Every detail is carefully designed to ensure optimal performance, reduce maintenance costs and downtime. One of our focus areas is sustainability and therefore it is important that the units are energy-efficient and environmentally friendly.

Construction

The Brazed heat exchanger is constructed by a package of thin corrugated metal plates, surrounded by two thicker stabilizing plates. A thin copper foil, placed between each of the thin metal plates, melts and seals the brazed plate heat exchanger during a vacuum brazing process.

We calculate each solution based on the customer's requirements to ensure an ideal pressure drop and flow rate. Simultaneously, the unit becomes more energy-efficient and environmentally friendly. Based on the individual task, we also determine the number of plates and the size of the brazed heat exchangers.

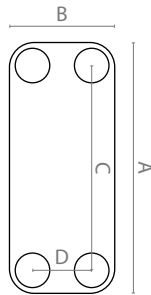
Brazed Heat Exchangers Overview



Dimensions

	A	B	C	D
SFB21	291	114	242	65
SFB22	495	114	446	65
SFB31	305	128	242	65
SFB32	509	128	446	65
SFB51	618	191	519	92
SFB61	617	247	520	150
SFB81	747	329	623	205
SFB101	1004	381	862	239

Measurements are in mm



Plates

The design of the corrugated plates optimizes heat transfer by providing a large yet compact surface area, facilitating the transfer of heat from one liquid or gas to another. The plates are optimised to meet specific temperature demands and capacities.

Designed to meet your needs

Our extensive range ensures that we can offer the best solution at the best price and, if necessary, combine various types of heat exchangers to provide the most suitable solution.

Technical specifications:

- Plate material: AISI 316
- Brazing material: Copper
- Design pressure: 25 and 40 bar (362 and 580 PSI)
- Temperature: -100 to 185°C (-148 to 365°F)
- Connections: between ¾" and DN100

BPHE Benefits

- Lower operating costs
- Cost-effective
- Easy assembly
- Increased energy efficiency
- Low weight
- Compact design
- High flexibility



About SonFlow A/S

SonFlow has developed an optimized and efficient range of plate heat exchangers, based on more than 40 years of experience. Our product line includes industrial, sanitary, free flow, condenser/evaporator, and brazed-plate heat exchangers.

All our plate heat exchangers are designed and manufactured at our factory in Kolding, Denmark and they are customized to meet specific temperature requirements and capacities. This ensures that you will receive a plate heat exchanger that is tailored to your needs, regardless of the industry or process you are working with.



Traditional Plate Heat Exchanger

The optimal choice for a wide range of applications across various market segments, making them a good choice for standard tasks.

Sanitary Plate Heat Exchangers

Designed to meet the stringent hygiene standards of food-, dairy-, beverage-, pharmaceutical industries, and related sectors.



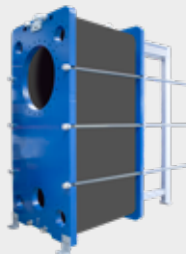
Free Flow Plate Heat Exchangers

Ideally suited for difficult media containing solids, particles, fibres, or high-viscosity liquids.



Condenser and Evaporators Plate Heat Exchanger

Designed to condense low-pressure vapour and evaporation duties. Well-suited for tasks involving significant temperature differentials between the cold and hot sides.



Aage Søndergaard Nielsen
Founder & CEO