



**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 markets 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

The compact brazed heat exchangers can be used in nearly all areas of 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 decrease downtime.

One of our focus areas are 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 seal 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. And at the same time, the unit becomes 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

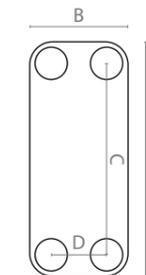


SFB21    SFB31    SFB32    SFB51    SFB61    SFB81    SFB101

## Dimensions

	A	B	C	D
SFB21	291	114	242	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 but compact total surface area where-by the heat can be drawn 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 required, combine several different types of heat exchangers to ensure that you get the best possible 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 3/4" and DN100

## BPHE Benefits

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



## About SonFlow A/S

DanPumps A/S changed its company name to SonFlow A/S in 2019 and started manufacturing plate heat exchangers - it signalizes new investments and new missions as we want to focus on process technology, energy and the environment. SonFlow A/S works hard to ensure the philosophy of innovation and advancement by delivering best in quality products and good service.

We strive our best to safeguard the environmental processes and adapt modern friendly approaches in product design and production processes. DanPumps centrifugal pumps are still being marketed under the brand name DanPumps.



## Plate heat exchangers as a complementary product

SonFlow A/S offers plate heat exchangers as a complementary product to DanPumps centrifugal pumps, which opens new markets. The engineering team of SonFlow is developing new designs and customized process equipment's based on many years of experience.

We are ISO 9001 certified and provide plate heat exchangers and pumps to all industries - we are continually expanding and diversify the business responding with innovative high-quality products and services.

## Manufacture of plate heat exchangers and pumps

SonFlow A/S is specialized in manufacturing plate heat exchangers to use in thermal processes and centrifugal pumps within all industries.

SonFlow offers a broad range of products for different applications - you can rely on SonFlow specialists to take a professional approach to your specific challenge and solve difficult pumping and plate heat exchanger applications.



Aage Søndergaard Nielsen  
Founder & CEO