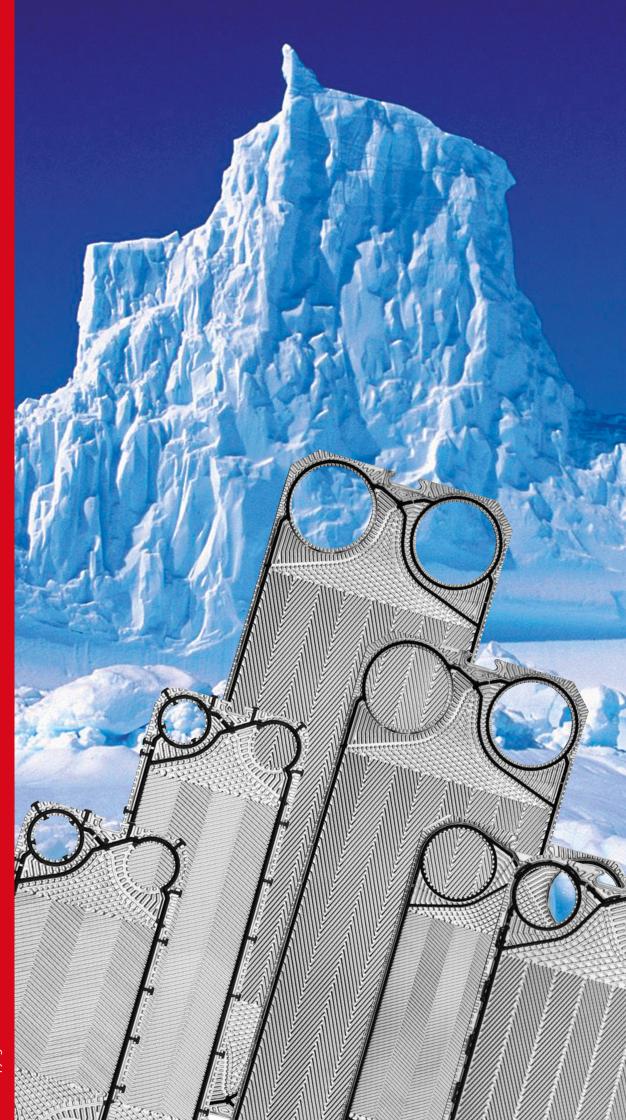


Semi-Welded Plate Heat Exchangers





Sondex Semi-Welded Plate Heat Exchangers

SONDEX is a Danish company specialized in the development, design and production of plate heat exchangers and freshwater distillers.

Since its foundation in 1984 SONDEX has grown into a wide global network of branches, agencies and daughter companies, and is now considered a world leader in plate heat exchangers. SONDEX is solving critical and complex heat transfer solutions in any heating and cooling area.

Besides the traditional plate heat exchangers, the product range includes free flow, semi-welded, plate and shell, all welded and brazed plate heat exchangers, as well as single- and multi-step freshwater distillers, all of which are based on the latest flow and heat transfer technology.

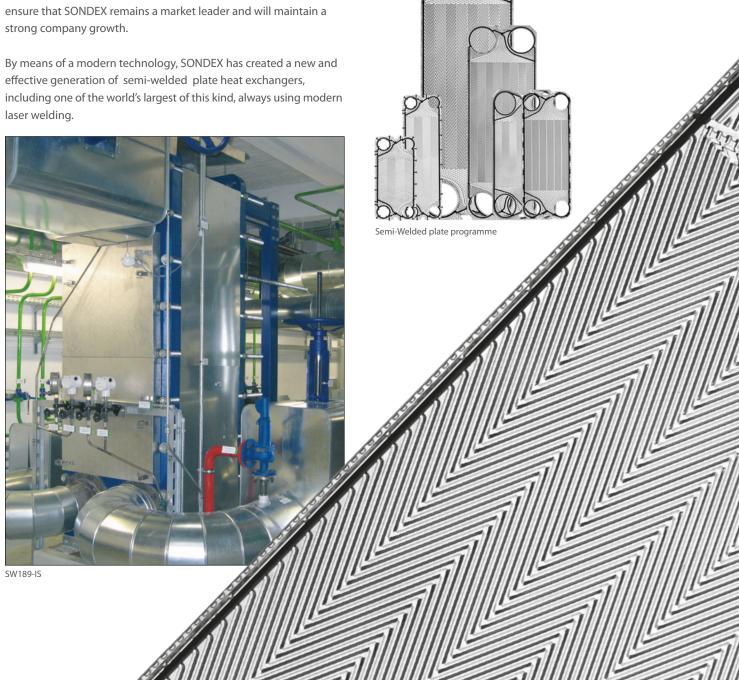
Our network of highly qualified "world-wide" technicians are always available with support and advice of all SONDEX-products. Effective, up-to-date product development and accurate market analyses ensure that SONDEX remains a market leader and will maintain a strong company growth.

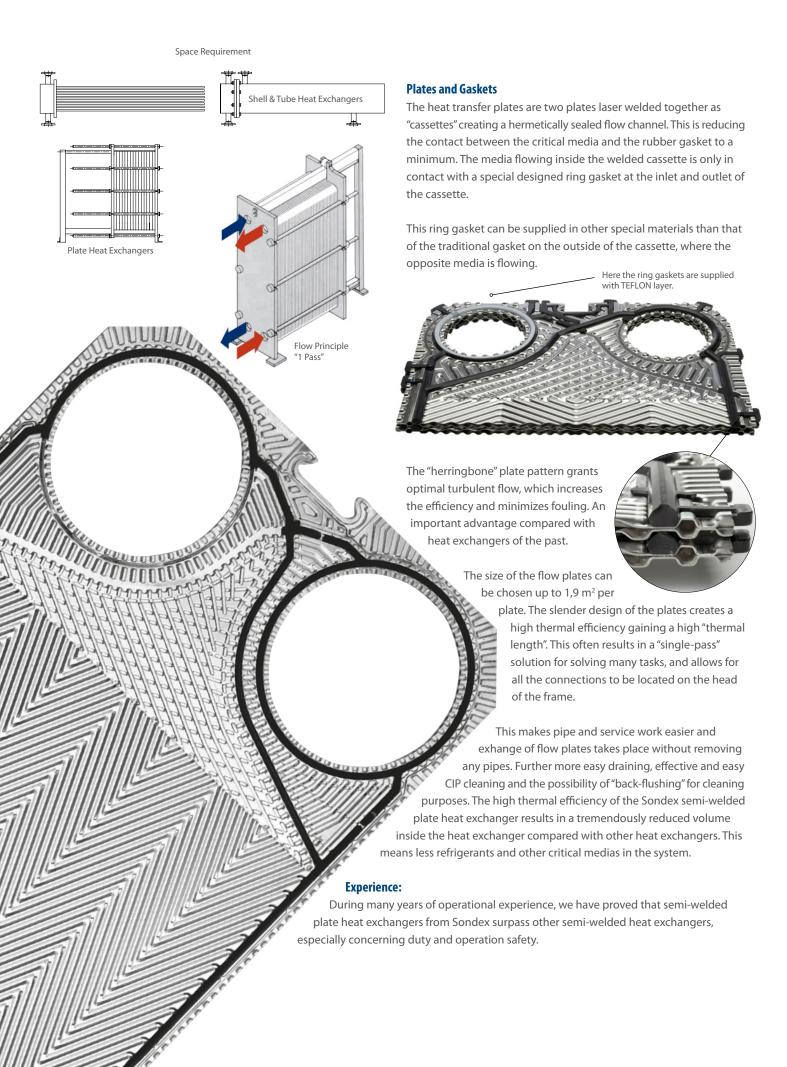
Application

The SONDEX semi-welded products grant maximum performance, especially in the cooling industry, where ammonium is in use. Further by condensing, evaporating and other tasks with aggressive and critical medias, where the safety requires absolute no leaks to the atmosphere. Also by other special tasks, including the geo thermal and heat recovery area, with working pressure up to 25 bar.

Tube & Shell heat exchangers are often too expensive or physically too large compared to our semi-welded plate heat exchangers where the thermal duty is higher.

The wide SONDEX semi-welded product range with many plate sizes can manage fluid ranges up to 1,400,000 l/h.





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It is wise to choose **SONDEX** solutions!

Gasketed Plate Heat Exchangers

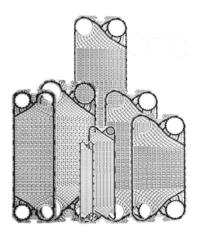
Gasketed plate heat exchangers are applicable in many areas for heating/cooling i.e. in the food industry, the chemical area, heat recovery, in HVAC units and many other areas.

Pressure rating up to 25 bar. Temperature up to 200°C.



Free Flow Plates

Can be used for fibrous and viscous food products. CIP cleaning is possible. Very high thermal performances. Strong and rigid plate design. SONDEX patented hanging system ensures correct assembling of the plate pack year after year. The plates and gaskets fully comply with the US 3A sanitary standard.



Well-known for:

- High operation safety
- Exact energy transfer
- Low running costs
- Environmentally acceptable
- Energy saving

Brazed Plate Heat Exchangers

Contrary to the traditional plate heat exchanger, the brazed plate heat exchanger does not contain rubber gaskets and can thus operate continuously at temperatures from minus 180°C up to plus 200°C. The operating pressure can be as high as 30 bar.



Gasketed Plate Heat Exchangers

Free Flow
Plate Heat Exchangers

Brazed
Plate Heat Exchangers

Plate and Shell Heat Exchangers

Plate and Shell Heat Exchangers

This heat exchanger works in the same way as an ordinary tubular unit. However, it is more efficient because plates have been used instead of tubes. The plates are laser/TIG welded to form a plate pack which is then mounted inside a traditional cylindrical shell.

Pressure rating: PN16/PN25. Max temp.: Up to 250°C.



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