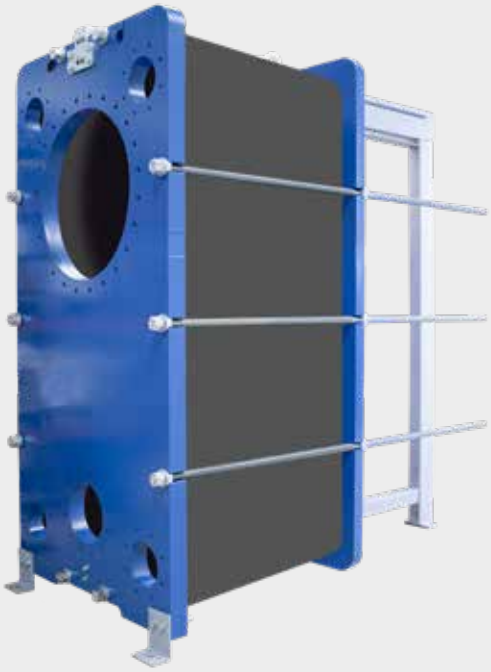

Condenser Heat Exchanger SFC800 Series

SFC801

The SonFlow Condenser/Evaporator is a versatile plate heat exchanger specifically designed to effectively handle the condensation of low-pressure steam as well as perform evaporative tasks. The SFC801 model is particularly well-suited for tasks that involve a substantial temperature contrast between the cold and hot side.

Compared to traditional heat exchangers, the design is optimised for applications where large temperature differences and efficient heat transfer are critical.

Typical Applications:

- Dairy/food/beverage industry
- Sugar industry
- Biogas industry
- Pulp and paper industry
- Mining industry
- Chemical industry
- Petrochemical industry
- Alcohol industry

Key Features:

- Compact design
- High flexibility
- Gentle product handling
- Design pressure up to 6 bar
- Operating temperature: up to 180 °C
- Designed for CIP-Cleaning
- The gasket design makes it more cost-effective
- Easy cleaning of both circuits (no welded plates)
- Extension from DN500 to DN1000

Benefits:

- Handling duties with large temperature differences between the hot and cold sides
- Specially developed plate pattern for condensing and evaporation of low-pressure vapour
- High thermal efficiency
- Reduced risk of fouling due to turbulence on the cooling water side
- Reduced pressure drop
- Optimised effective area thanks to a ingenious design

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Construction

The SonFlow Condenser/Evaporator plate heat exchanger is built with specially designed plates that promote efficient heat transfer. The robust frame construction allows the unit to withstand demanding industrial operating conditions while providing easy access for inspection, cleaning and maintenance.

Plates

The plate geometry ensures an even distribution of the refrigerant or steam across the entire heat transfer surface, helping to maximise thermal performance while reducing the risk of dry zones or uneven flow.

Design pressure:

- Painted frames: 0,6 MPa (87 PSI)

Construction standards:

- EN13445
- ASME sec VIII, Div. 1

Frame:

- Painted frame, RAL 5010 (available in other colours)

Connections:

- DN 800/32" flange in carbon steel, rubber lined or cladded with AISI 316 or titanium
- According to all known standards

Plate material:

- AISI 304/316
- Other materials available on request

Gaskets:

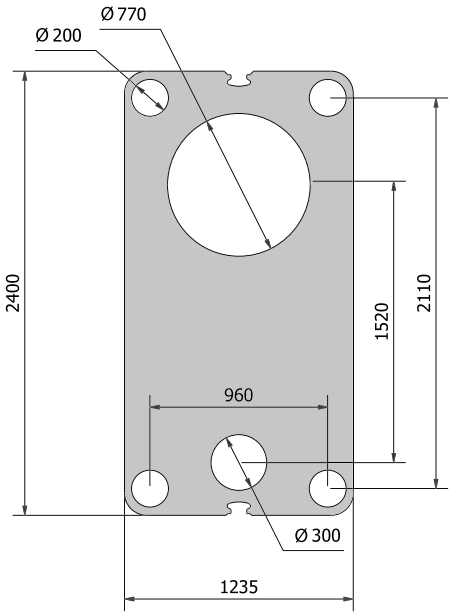
- Click on gasket
- Materials: NBR, EPDM and Viton
- Other materials available on request

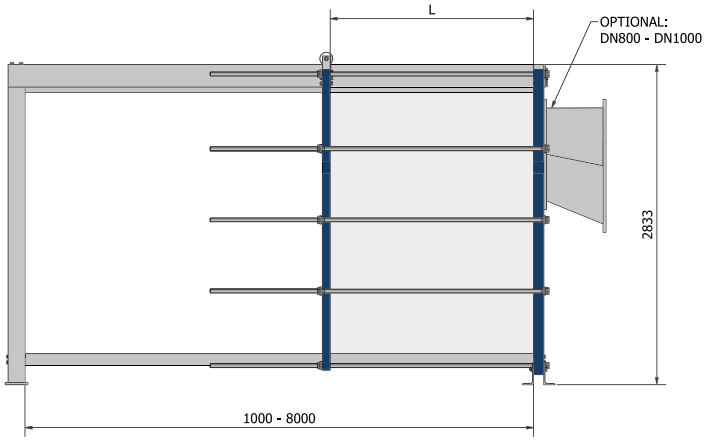
Accessories:

- Drip tray
- Insulation jackets
- Safety cover
- Assembly spanner
- Foundation feet

Dimensional Drawing:

Dimensions in mm





30017 - 09.2026 - Rev. 2
SonFlow A/S reserves the rights to change the specifications without prior notification.

About SonFlow

SonFlow has developed an optimised and efficient range of plate heat exchangers, based on more than 45 years of experience. Our product line includes traditional, free flow, sanitary, condenser/evaporator, and brazed plate heat exchangers.
All our plate heat exchangers are customized to meet specific temperature requirements and capacities, ensuring a solution tailored to your needs - regardless of your industry or process.

Explorer our full range of plate heat exchangers at: www.sonflow.eu

Connect with us:

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