Recommended Applications:
The S9A, S19A & S31A range of Sondex plate heat exchangers is specially designed for the HVAC area, the geothermal-, marine- and heat recovery area as well as for the industrial- and chemical market.

Design Principle:
This Sondex type S9A, S19A & S31A plate range with lengths from 0.5 m to 1.2 m and “long” thermal pattern, will cover many duties up to 70 m³/h in a single pass solution, which means that all the connections are on the head side. This will ensure easy pipe- and service work, and by dismantling the exchanger for service, no pipes need to be removed.

The heat transfer is obtained, when the warm medium transfers energy through the thin, strong flow plates between the channels and delivers it to the cold medium without mixing the two media. Countercurrent flow creates the optimal efficiency. The plate- and inlet design allows effective and easy CIP (Cleaning in Place), of all “flow” surfaces.

Flow plates:
The corrugated “herringbone” pattern ensures turbulent flow in the whole effective area. Furthermore, this pattern brings “metallic” contact between the plates, and together with locking devices on the gaskets, the plate pack is easily assembled.

The plate pack is held firm and safely between the fixed head and moveable followers of the frames.

Data Required for Correct Quotation:
Duty, flow rate, type of media, temperatures, working pressure/temperature, pressure losses and thermodynamic properties determine the choice of exchanger, size of heat surface and plate pattern.

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**Technical Information**

**Frame:**
Painted frame with the clamping bolts placed around the frame edge. Standard colour by painted frame: Blue RAL 5010. Available in other colours.

**Working pressure:**
The frames are designed for the available working pressure: 1.0/1.6/2.5 MPa.

**Construction Standard:**
According to PED 97/23/EC: A-D “Merkblätter”
According to ASME CODE: ASME VIII, Div. 1

**Connections:**
DN65 flanges. Carbon steel, rubberlined or cladded, with AISI316 or titanium According to all known standards

**Plates:**
Standard material: AISI 304/AISI 316 and titanium, 254 SMO
Not standard: Hastelloy C 276 and other pressable materials.

**Extra Equipment:**

**Gaskets:**
The gaskets are the unique “hang-on” non-glued type. Standard material: Nitrile and EPDM, viton
CONNECTIONS:

RUBBERLINE / CLADDED

PAINTED

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