**Recommended Applications:**
The S67/S113/S155 Sondex plate heat exchanger is specially designed for the HVAC, the geothermal-, marine- and heat recovery area as well as the general industrial- and chemical market.

**Design Principle:**
This type plate range with lengths up to 3.3 m and a “long” thermal pattern, will cover many duties up to 1,000 m³/h in a single pass solution, which means that all connections are on the head side of the plate heat exchanger. 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 opposing medium without mixing the two media. Counter-current flow creates the optimal efficiency. The plate- and inlet design allows an effective and easy CIP (Cleaning In Place) of all “flow” surfaces.

**Flow plates:**
The corrugated “herringbone” pattern ensures a 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 movable follower of the frames.

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

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**Technical Information**

<table>
<thead>
<tr>
<th>Frame:</th>
<th>Painted frame, with the clamping bolts placed around the frame edge. Standard colour by painted frame: Blue RAL 5010. Available in other colours.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working pressure:</td>
<td>The frames are designed for the working pressure available: 1.0/1.6 MPa</td>
</tr>
<tr>
<td>Connections:</td>
<td>DN 250 / 300 flanges. In carbon steel, rubberlined and cladded, with AISI 316 or titanium According to all known standards.</td>
</tr>
<tr>
<td>Gaskets:</td>
<td>The gaskets are the unique “Sonder lock”, non-glued type. Standard material: Nitrile, EPDM and Viton.</td>
</tr>
</tbody>
</table>
The manufacturer reserves the right to change the specifications in force at any time.

.getConnections:

**Painted / Cladded**

Mounting

Frame

Plate Heat Exchanger Group:

S67 / S113 - IS PN 06-10-16

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