The HRS SI Series is a multitube shell and tube heat exchanger designed with the added security of a double tubeplate, providing leak detection to avoid cross contamination between the service and product fluids.

The HRS SI series is perfect for industrial applications.

Using our corrugation technology, heat transfer and efficiency are increased over standard smooth tube heat exchangers. In addition, potential fouling is minimised.

TECHNICAL DATA

APPLICATIONS
- Chemicals
- River Water
- Oil

STANDARD MATERIALS OF CONSTRUCTION
- Service Side: AISI 304/316L Stainless Steel
- Product Side: AISI 316L Stainless Steel
- Other material options available

STANDARD DESIGN CONDITIONS
- Service Side: 10 bar/185°C
- Product Side: 10 bar/185°C

FEATURES
- Corrugated tubes for increased heat transfer
- Bellows are fitted to absorb differential expansion between shell and inner tubes
- Multiple units can be interconnected and mounted in a frame
- Multipass version available

<table>
<thead>
<tr>
<th>MODELS</th>
<th>LENGTHS (m)</th>
<th>SURFACE AREA (m²)</th>
<th>SERVICE SIDE CONNECTION</th>
<th>PRODUCT SIDE CONNECTION</th>
<th>MAX FLOW SERVICE (m³/hr)</th>
<th>MAX FLOW PRODUCT (m³/hr)</th>
<th>SERVICE SIDE VOLUME (l)</th>
<th>PRODUCT SIDE VOLUME (l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SI 4 64/18</td>
<td>0.7 - 6</td>
<td>1.3</td>
<td>DN40</td>
<td>DN50</td>
<td>17</td>
<td>6</td>
<td>14.6</td>
<td>8.3</td>
</tr>
<tr>
<td>SI 7 76/18</td>
<td>0.7 - 6</td>
<td>2.3</td>
<td>DN40</td>
<td>DN65</td>
<td>17</td>
<td>10</td>
<td>27.6</td>
<td>15.4</td>
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<tr>
<td>SI 13 104/18</td>
<td>0.7 - 6</td>
<td>4.3</td>
<td>DN65</td>
<td>DN80</td>
<td>40</td>
<td>20</td>
<td>44.8</td>
<td>22.6</td>
</tr>
<tr>
<td>SI 21 129/18</td>
<td>0.7 - 6</td>
<td>6.8</td>
<td>DN80</td>
<td>DN100</td>
<td>55</td>
<td>32</td>
<td>70.3</td>
<td>43.9</td>
</tr>
</tbody>
</table>

By standard the following lengths can be supplied: 0.7/1/1.5/2/3/6 m. The surface area and volumes shown are for 6m length models.

DESIGN CODE AND COMPLIANCE
- PD 5500, PED 2014/68/EU, ASME | TR CU 032, DOSH Compliant