The HRS K Series is a complete stainless steel shell and tube heat exchanger designed for industrial use. The product flows through the inner tubes and the service fluid flows through the surrounding shell.

The HRS K Series is an ideal heat exchanger for steam-to-water applications such as CIP heating. Using HRS corrugation technology, heat transfer and efficiency are increased over standard smooth tube heat exchangers. In addition, effects of fouling are minimised.

**APPLICATIONS**
- Low-Medium Viscosity Fluids
- CIP Heating
- General Industrial Applications

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

**STANDARD CONNECTIONS**
- Service Side: Flange
- Product Side: Tubeplate Flange
- All flange types available

**SURFACE FINISH**
- External: Matt
- Internal: Descaled
- Other surface finishes 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
- Polished version available

**RANGE**

<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>K 7 76/18</td>
<td>0.7 - 6</td>
<td>2.3</td>
<td>DN40</td>
<td>DN65</td>
<td>16</td>
<td>13</td>
<td>14.6</td>
<td>8.3</td>
</tr>
<tr>
<td>K 13 104/18</td>
<td>0.7 - 6</td>
<td>4.3</td>
<td>DN65</td>
<td>DN80</td>
<td>40</td>
<td>24</td>
<td>27.6</td>
<td>15.4</td>
</tr>
<tr>
<td>K 19 129/18</td>
<td>0.7 - 6</td>
<td>6.3</td>
<td>DN80</td>
<td>DN100</td>
<td>55</td>
<td>35</td>
<td>44.8</td>
<td>22.6</td>
</tr>
<tr>
<td>K 37 168/18</td>
<td>0.7 - 6</td>
<td>12.4</td>
<td>DN80</td>
<td>DN150</td>
<td>55</td>
<td>67</td>
<td>70.3</td>
<td>43.9</td>
</tr>
<tr>
<td>K 55 219/18</td>
<td>0.7 - 6</td>
<td>18.4</td>
<td>DN125</td>
<td>DN200</td>
<td>130</td>
<td>100</td>
<td>129.8</td>
<td>65.3</td>
</tr>
</tbody>
</table>

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. Nozzle volumes are included.

**DESIGN CODE AND COMPLIANCE**
- PD 5500, PED 2014/68/EU, ASME
- TR CU 032, DOSH Compliant
The HRS KHP Series is a complete stainless steel shell and tube heat exchanger designed for industrial use. The product flows through the inner tubes and the service fluid flows through the surrounding shell.

The HRS KHP Series is an ideal heat exchanger for high temperature and high pressure applications. Using HRS corrugation technology, heat transfer and efficiency are increased over standard smooth tube heat exchangers. In addition, effects of fouling are minimised.

**APPLICATIONS**
- Low-Medium Viscosity Fluids
- High Temperature Applications
- High Pressure Industrial Applications

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

**STANDARD CONNECTIONS**
- Service Side: Flange
- Product Side: Tubeplate Flange
- All flange types available

**SURFACE FINISH**
- External: Matt
- Internal: Descaled
- Other surface finishes available

**STANDARD DESIGN CONDITIONS**
- Service Side: 16 bar/250°C
- Product Side: 16 bar/250°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
- Polished version available

### RANGE

<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>KHP 7 76/18</td>
<td>0.7 - 6</td>
<td>2.3</td>
<td>DN40</td>
<td>DN65</td>
<td>16</td>
<td>13</td>
<td>14.6</td>
<td>8.3</td>
</tr>
<tr>
<td>KHP 13 104/18</td>
<td>0.7 - 6</td>
<td>4.3</td>
<td>DN65</td>
<td>DN80</td>
<td>40</td>
<td>24</td>
<td>27.6</td>
<td>15.4</td>
</tr>
<tr>
<td>KHP 19 129/18</td>
<td>0.7 - 6</td>
<td>6.3</td>
<td>DN80</td>
<td>DN100</td>
<td>55</td>
<td>35</td>
<td>44.8</td>
<td>22.6</td>
</tr>
<tr>
<td>KHP 37 168/18</td>
<td>0.7 - 6</td>
<td>12.4</td>
<td>DN80</td>
<td>DN150</td>
<td>55</td>
<td>67</td>
<td>70.3</td>
<td>43.9</td>
</tr>
<tr>
<td>KHP 55 219/18</td>
<td>0.7 - 6</td>
<td>18.4</td>
<td>DN125</td>
<td>DN200</td>
<td>130</td>
<td>100</td>
<td>129.8</td>
<td>65.3</td>
</tr>
</tbody>
</table>

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. Nozzle volumes are included.

**DESIGN CODE AND COMPLIANCE**

- PD 5500, PED 2014/68/EU, ASME
- TR CU 032, DOSH Compliant