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 minimized.

TECHNICAL DATA

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: 147 PSI/365°F
Product Side: 147 PSI/365°F

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 (ft)</th>
<th>SURFACE AREA (ft²)</th>
<th>SERVICE SIDE CONNECTION</th>
<th>PRODUCT SIDE CONNECTION</th>
<th>MAX FLOW SERVICE (gpm)</th>
<th>MAX FLOW PRODUCT (gpm)</th>
<th>SERVICE SIDE VOLUME (gal)</th>
<th>PRODUCT SIDE VOLUME (gal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>K 7 76/18</td>
<td>2 - 20</td>
<td>25</td>
<td>1.5”</td>
<td>2.5”</td>
<td>70</td>
<td>57</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>K 13 104/18</td>
<td>2 - 20</td>
<td>46</td>
<td>2.5”</td>
<td>3”</td>
<td>176</td>
<td>106</td>
<td>7</td>
<td>4</td>
</tr>
<tr>
<td>K 19 129/18</td>
<td>2 - 20</td>
<td>68</td>
<td>3”</td>
<td>4”</td>
<td>242</td>
<td>154</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>K 37 168/18</td>
<td>2 - 20</td>
<td>133</td>
<td>3”</td>
<td>6”</td>
<td>242</td>
<td>295</td>
<td>19</td>
<td>12</td>
</tr>
<tr>
<td>K 55 219/18</td>
<td>2 - 20</td>
<td>198</td>
<td>5”</td>
<td>8”</td>
<td>572</td>
<td>440</td>
<td>34</td>
<td>17</td>
</tr>
</tbody>
</table>

The following lengths can be supplied: 2/3/5/6/10/20 ft. The surface area and volumes shown are for 20ft length models. Nozzle volumes are included.

DESIGN CODE AND COMPLIANCE
PD 5500, PED 2014/68/EU, ASME | TR CU 032, DOSH Compliant
MULTITUBE HEAT EXCHANGERS - HIGH PRESSURE HIGH TEMPERATURE

HRS KHP SERIES

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 minimized.

TECHNICAL DATA

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: 232 PSI/482°F
Product Side: 232 PSI/482°F

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

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DESIGN CODE AND COMPLIANCE
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