Steam Regenerators

**GRDE**

**Application**

Steam regenerators are used to produce saturated steam for a secondary system from steam or pressurized hot water.

Pure steam, without any contaminants that might be detrimental to health such as hydrazine, is produced.

Steam regenerators are therefore especially suited for sterilizing equipment in hospitals, steaming and drying chambers in the food-stuff industry, and for the production of distillates.

**Technical Data (standard)**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>GRDE 5</td>
<td>28</td>
<td>250</td>
<td>12</td>
<td>200</td>
<td>5000</td>
<td>&lt; = 5</td>
<td>&lt; = 100</td>
</tr>
</tbody>
</table>

Steam regenerators for higher pressure/temperature ratings and larger capacities on request.

**Standard Installation**

Steam regenerators with self-acting, electric or electropneumatic heating-steam control

Compact system with manual intermittent / continuous boiler blowdown and the required basic equipment of a feedwater supply control system

Limiting conditions: Quality of feedwater ≤ 5 µS/cm, pressure of heating steam: 6 barg, pressure of pure steam: 4 barg

<table>
<thead>
<tr>
<th>Type</th>
<th>Pure steam flowrate [kg/h]</th>
<th>∅ [mm]</th>
<th>Overall length approx. [mm]</th>
<th>Max. design pressure/temperature primary [bar/°C]</th>
<th>Max. design pressure/temperature secondary [bar/°C]</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRDE 5</td>
<td>300</td>
<td>450</td>
<td>3300</td>
<td>12/200</td>
<td>6/200</td>
</tr>
<tr>
<td>GRDE 6</td>
<td>600</td>
<td>500</td>
<td>3800</td>
<td>12/200</td>
<td>6/200</td>
</tr>
<tr>
<td>GRDE 7</td>
<td>1000</td>
<td>600</td>
<td>3500</td>
<td>12/200</td>
<td>6/200</td>
</tr>
<tr>
<td>GRDE 8</td>
<td>1200</td>
<td>700</td>
<td>4000</td>
<td>12/200</td>
<td>6/200</td>
</tr>
</tbody>
</table>