GWH-Series

2ND GENERATION OF HIGH PRESSURE HEAT EXCHANGERS

GWH-Series
Solid and compact design for extreme working conditions.

The GWH-Series are copper-brazed plate heat exchangers designed for industrial applications with pressures of up to 55 bar. Due to their solid and compact construction the units are especially suitable for applications with high mechanical and thermal loads.

They are designed for extreme working conditions, such as CO₂ cascade systems, refrigeration, railway and marine applications.

Always a suitable solution at hand
The brazed plate heat exchangers from Kelvion offer tailor-made solutions for the widest range of application. We configure the most economically favorable model for you from the wide range of available sizes and the numerous optional features. We adapt this with individually positioned connections to meet your specific requirements.

Your advantages at a glance:
• solid construction
• high permanent pressure resistance
• compact, space-saving design
• low weight
• low investment costs
We need following information to select the optimum heat exchanger
- required temperature range
- flow rates or required heat load
- maximal permitted pressure drop
- required working conditions

<table>
<thead>
<tr>
<th>Type</th>
<th>(bar)</th>
<th>Standard dimensions (mm)</th>
<th>(mm)</th>
<th>(kg)</th>
<th>(Litre/Chanel)</th>
<th>Max. number of plates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plate heat exchanger</td>
<td></td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
<td>L-Dimension N = number of plates</td>
</tr>
<tr>
<td>GWH 220H</td>
<td>55</td>
<td>90</td>
<td>328</td>
<td>43</td>
<td>279</td>
<td>L=12,20+2,22xN</td>
</tr>
<tr>
<td>GWH 240H</td>
<td>55</td>
<td>91</td>
<td>464</td>
<td>43</td>
<td>415</td>
<td>L=12,20+2,20xN</td>
</tr>
<tr>
<td>GWH 500H</td>
<td>55</td>
<td>124</td>
<td>532</td>
<td>73</td>
<td>478</td>
<td>L=11,80+2,28xN</td>
</tr>
<tr>
<td>GWH 700L</td>
<td>55</td>
<td>271</td>
<td>532</td>
<td>200</td>
<td>460</td>
<td>L=13,30+2,34xN</td>
</tr>
<tr>
<td>GWH 700M</td>
<td>55</td>
<td>271</td>
<td>532</td>
<td>200</td>
<td>460</td>
<td>L=13,30+2,35xN</td>
</tr>
<tr>
<td>GWH 900H</td>
<td>55</td>
<td>271</td>
<td>802</td>
<td>161</td>
<td>690</td>
<td>L=13,60+2,31xN</td>
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Also available as an advanced evaporator with a special “Delta Injection™” distribution system for the refrigerant inlet.

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<th>Max. number of plates</th>
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<tbody>
<tr>
<td>GWH 500H-AE</td>
<td>55</td>
<td>124</td>
<td>532</td>
<td>73</td>
<td>478</td>
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GWH-Series 2nd. Generation: Specifications
- plate material: Stainless steel AISI 316L / 1.4404
- brazing material: Copper

Features
- Safety Chamber™ (model 700, 900)
- Delta Injection™ (model 500, 700, 900)
- Full-Flow System™ (model 220, 240, 500)

Performance limits
- working temperature: -196°C to +200°C / -321°F to +392°F
- working pressure: up to 55 bar / 798 psi

Approval
- PED (CE)
- ASME VIII-1

The specifications contained in this brochure are intended only to serve the non-binding description of our products and services and are not subject to guarantee. Binding specifications, especially pertaining to performance data and suitability for specific operating purposes, are dependent upon the individual circumstances at the operation location and can, therefore, only be made in terms of precise requests.

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