GBH-HP-Series

HIGH PRESSURE BRAZED PLATE HEAT EXCHANGERS

The GBH-HP-Series are brazed plate heat exchangers with a pressure frame. They are designed for transcritical and subcritical CO₂ systems and industrial applications with system pressures up to 140 bar.

Examples
- CO₂ heat pumps
- CO₂ supermarket cooling
- oil cooling
- industrial heating and cooling
- power plant technology

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:
- high permanent pressure resistance
- long lifetime
- low investment costs
- solid frame construction
- CO₂ in a transcritical area
GBH-HP-Series: Specifications

- plate material: Stainless steel AISI 316L / 1.4404
- brazing material: Copper

Features
- Safety Chamber™ (model 700, 1000)
- Delta Injection™ (model 500, 700M, 1000)
- Full-Flow System™ (model 400, 500)
- Double-Wall-Safety-heat exchanger (type GBH-HP-DW 400 H, GBH-HP-DW 500 H)

Performance limits
- working temperature: -40°C to +150°C
- working pressure: up to 140 bar

Approval
- PED (CE)

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

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<thead>
<tr>
<th>Type</th>
<th>Pressure</th>
<th>Standard dimensions (mm)</th>
<th>(mm)</th>
<th>(kg)</th>
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<td>A</td>
<td>B</td>
<td>C</td>
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<td>410</td>
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<tr>
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<tr>
<td>GBH-HP 1000H</td>
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<td>500</td>
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Auch erhältlich mit integriertem Verteilsystem Delta Injection™

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