VacInox

HEAT EXCHANGERS MADE OF STAINLESS STEEL

VacInox - the new GVH-Series
VacInox, the solution for highest requirements for potable water applications and industrial processes.

VacInox is our new, unique and revolutionary technology for a solid/resistant connection of stainless steel plates. It enables a compact design and a maximal corrosion resistance.

To meet the increased demands in terms of high temperatures and pressures up to 35 bar/508 psi a special brazing filler free of non-ferrous metals is used.

The new developed GVH-Series unifies the compact design and economy of a brazed plate heat exchanger with the utility of a shell-and-tube heat exchanger. VacInox is the solution for applications with aggressive media and high pressures.

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

Example:
• potable water heating
• evaporator and condenser for Ammonia systems
• laser cooling
• district heating

Your advantages at a glance:
• free of non-ferrous metals
• high corrosion resistance
• high pressure resistance
• compact design
• low investment costs
GVH-Series: Specifications

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

**Features**
- Delta Injection™ (model 400, 500, 700, 800, 1000)
- Full-Flow System™ (model 100, 200, 220, 240, 300, 400, 500)
- Safety Chamber™ (model 108, 228, 700, 800, 1000)

**Performance limits**
- working temperature: -196°C to +200°C / -321°F to +392°F
- working pressure: up to 35 bar / 508 psi

**Approval**
- PED (CE)
- ASME VIII-1

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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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<table>
<thead>
<tr>
<th>Type</th>
<th>Pressure</th>
<th>Standard dimensions (mm)</th>
<th>(mm)</th>
<th>(kg)</th>
<th>(Litre/Channel)</th>
<th>Max. number of plates</th>
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<tbody>
<tr>
<td>Plate heat exchanger</td>
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<tr>
<td>GVH 100M</td>
<td>35/30</td>
<td>74 204 40 170 L=10.23+2.23xN W=0.70+0.050xN 0.025 50</td>
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<td>GVH 400H</td>
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<tr>
<td>GVH 500H</td>
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<tr>
<td>GVH 700L</td>
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<tr>
<td>GVH 1000H</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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