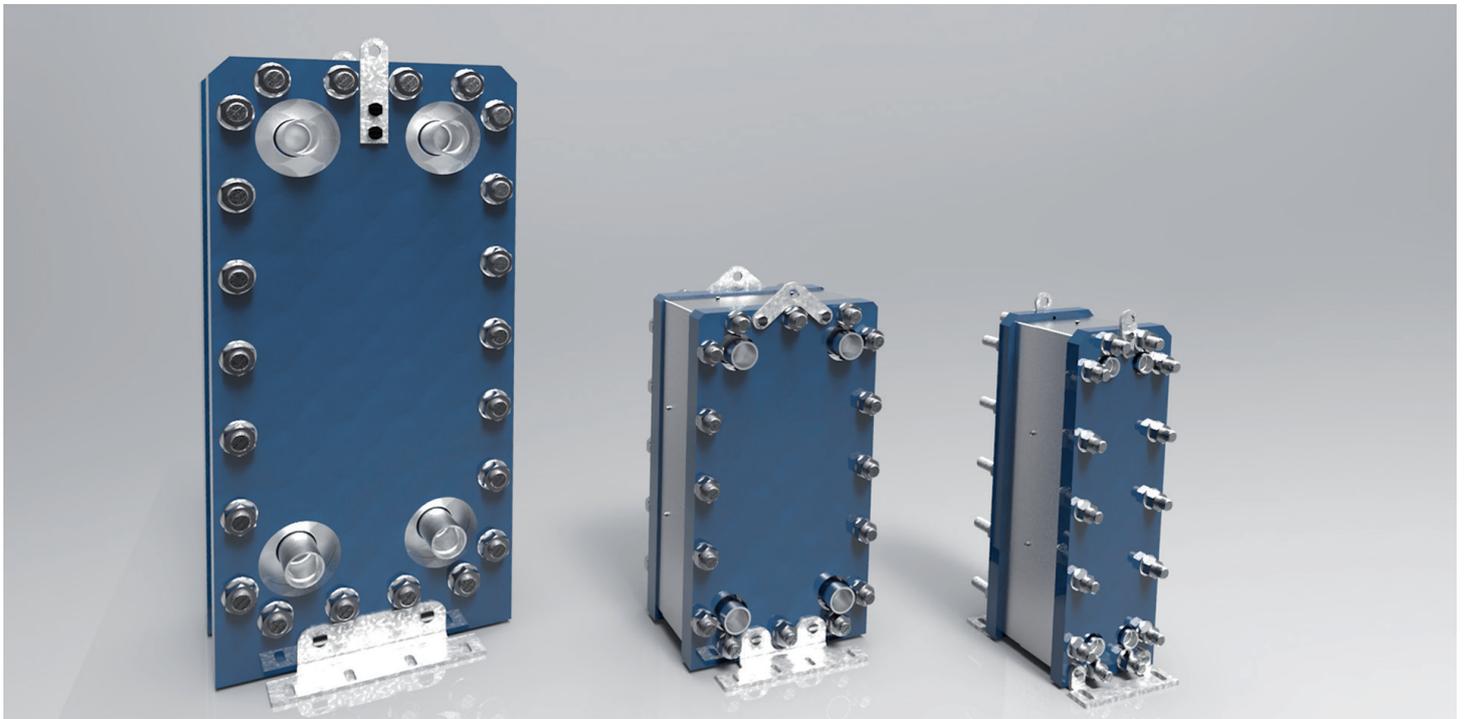




GVH-HP-Series

HIGH PRESSURE – NOW ALSO IN STAINLESS STEEL

**GVH-HP-Series**

With the brazed plate heat exchangers of the GVH-HP-Series Kelvion offers the ideal solution for industrial applications with high operating pressures. Vaclnox, our especially developed, free of non-ferrous metals solder material is used, to meet the increased demands in relation to corrosion resistance, high temperature and pressure requirements. Thanks to this new, unique and revolutionary technology for the robust connection of stainless steel plates both a compact design and high corrosion resistance can be achieved. A pressure frame ensures maximum safety in mechanical and thermal requirements at pressures up to 46 bar/667 psi. The product range includes connection diameters from DN15 to DN100.

Copper-free, brazed plate heat exchangers of the GVH-HP-Series use the knowledge transfer within Kelvion and combine the advantages of brazed and gasketed heat exchangers.

Always a suitable solution at hand

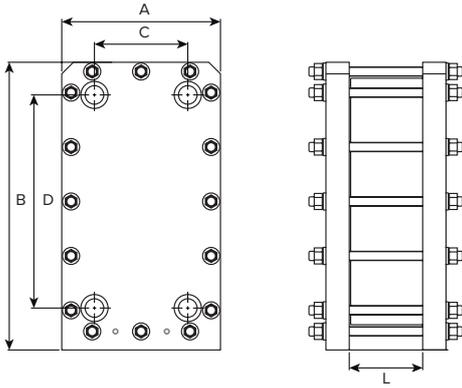
The brazed plate heat exchangers from Kelvion offer tailor-made solutions for the widest range of application. We configure the most economically favorable model for you from the wide range of available sizes and the numerous optional features. We adapt this with individually positioned connections to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

Example:

- ammonia refrigeration plants
- evaporators and condensers in cascade systems

Your advantages at a glance:

- free of non-ferrous metals
- corrosion resistant
- high thermal efficiency
- high operating pressures



We need following information to select your optimum heat exchanger

- required temperature range
- flow rates or required heat load
- maximal permitted pressure drop
- required working conditions

Type	(bar)	Standard dimensions (mm)				(mm)	(kg)	(Litre/Channel)	
Plate heat exchanger	Pressure	A	B	C	D	L-Dimension N = number of plates	Mass N = number of plates	Volumes	Max. number of plates
GVH-HP 500H	46	195	600	73	478	74.80+2.28xN	78.00+0.210xN	0.100	150
GVH-HP 700L	46	340	621	200	460	116.30+2.34xN	179.00+0.540xN	0.230	150
GVH-HP 700M	46	340	621	200	460	116.30+2.35xN	179.00+0.540xN	0.230	150
GVH-HP 1000L	46/30	500	1050	237	723	156.85+2.35xN	620.00+2.700xN	0.466/0.733	200
Also available as an advanced evaporator with a special "Delta Injection™" distribution system for the refrigerant inlet.									
GVH-HP 500H-AE	46	195	600	73	478	74.80+2.28xN	78.00+0.210xN	0.100	150
GVH-HP 700M-AE	46	340	621	200	460	116.30+2.35xN	179.00+0.540xN	0.230	150

GVH-HP-Series: Specifications

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

Features

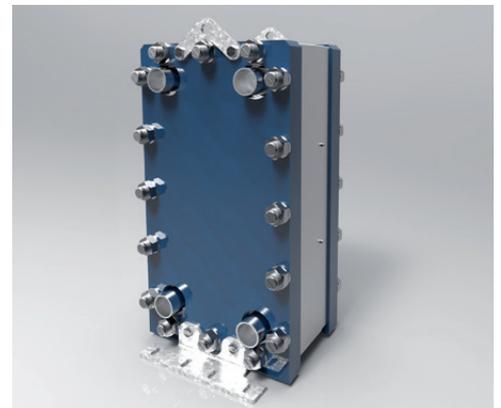
- Safety Chamber™ (model 700, 1000)
- Delta Injection™ (model 500, 700M)
- Full Flow System™ (model 500)

Performance limits

- working temperature: -40°C to +150°C / -40°F to +302°F
- working pressure: up to 46 bar / 667 psi

Approval

- PED (CE)



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.

Kelvion Brazed PHE GmbH
 Remsaer Straße 2a, 04603 Nobitz-Wilchwitz, Germany
 Phone +49 34 47 55 39-0
 Fax +49 34 47 55 39-30
 sales.nobitz@kelvion.com
 www.kelvion.com

Kelvion PHE GmbH
 Karl-Schiller-Straße 1-3, 31157 Sarstedt, Germany
 Phone +49 50 66 601-0
 Fax +49 50 66 601-134
 sarstedt@kelvion.com