

## 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.

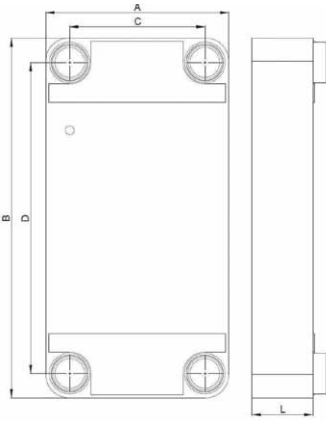
They are designed for extreme working conditions, such as CO<sub>2</sub> cascade systems, refrigeration, railway and marine applications.

### 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

Type	(bar)	Standard dimensions (mm)				(mm)	(kg)	(Litre/Chanel)	
Plate heat exchanger	Pressure	A	B	C	D	L-Dimension N = number of plates	Mass N = number of plates	Volume	Max. number of plates
<b>GWH 220H</b>	55	90	328	43	279	L=12,20+2,22xN	W=1,30+0,08xN	0,046	80
<b>GWH 240H</b>	55	91	464	43	415	L=12,20+2,20xN	W=2,04+0,14xN	0,070	80
<b>GWH 500H</b>	55	124	532	73	478	L=11,80+2,28xN	W=2,00+0,24xN	0,100	120
<b>GWH 700L</b>	55	271	532	200	460	L=13,30+2,34xN	W=9,60+0,54xN	0,230	150
<b>GWH 700M</b>	55	271	532	200	460	L=13,30+2,35xN	W=9,60+0,54xN	0,230	150
<b>GWH 900H</b>	55	271	802	161	690	L=13,60+2,31xN	W=11,50+0,80xN	0,399	300
Also available as an advanced evaporator with a special "Delta Injection™" distribution system for the refrigerant inlet.									
<b>GWH 500H-AE</b>	55	124	532	73	478	L=11,80+2,28xN	W=2,00+0,24xN	0,100	120
<b>GWH 700M-AE</b>	55	271	532	200	460	L=13,30+2,35xN	W=9,60+0,54xN	0,230	150
<b>GWH 900H-AE</b>	55	271	802	161	690	L=13,60+2,31xN	W=11,50+0,80xN	0,399	300

**GWH-Series 2nd. Generation: Specifications**

- plate material: Stainless steel 1.4401 / 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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