

## GBS-Series | Brazed Plate Heat Exchangers

# POWERFUL MODELS IN A FLEXIBLE RANGE OF SIZES



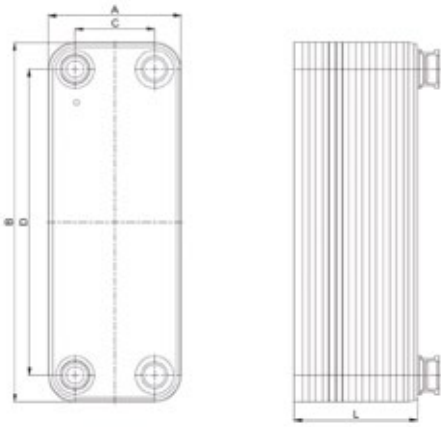
## DESIGN & FUNCTION

Heat Exchangers of the GBS-Series are the solid all-rounders among all brazed plate heat exchangers from Kelvion. The latest technology and decades of experience of successful applications guarantee highest quality, cost efficiency and reliability. Equipped with the proven technical features like Safety Chamber™, Delta Injection™ and Full Flow System™ the units are ideal for applications of all sizes with max. 200°C/392°F and up to 40 bar/580 psi.

The product range also offers the widest variety and flexibility in terms of sizes, different connections, flow arrangements and accessories. Thus heat exchangers of the GBS-series always serve the right solution for your operating conditions.

## ADVANTAGES

- ▶ HIGHEST FLEXIBILITY
- ▶ COMPACT DESIGN
- ▶ WIDE RANGE OF APPLICATIONS
- ▶ SOLID CONSTRUCTION



### 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.

### APPLICATION EXAMPLES:

- ▶ Heating water and industrial water systems
- ▶ Underfloor heating
- ▶ Subcoolers and condensers
- ▶ Economizer
- ▶ Refrigerant evaporators
- ▶ Oil coolers

Type	Pressure bar	Dimensions				L-Dimension* [mm]	Weight* [kg]	Volume (Litres/ Channel)	Max. number of plates
		A [mm]	B [mm]	C [mm]	D [mm]				
GBS 100	31	74	204	40	170	L=8,00+2,23xN	W=0,65+0,050xN	0.025	50
GBS 200	31	90	231	43	182	L=10,00+2,24xN	W=0,85+0,060xN	0.030	50
GBS 220	31	90	328	43	279	L=10,00+2,25xN	W=1,10+0,090xN	0.046	50
GBS 240	31	90	464	43	415	L=10,00+2,24xN	W=1,50+0,130xN	0.070	50
GBS 300	31	124	173	73	120	L=12,20+2,24xN	W=0,95+0,060xN	0.030	50
GBS 400	31	124	335	73	281	L=12,30+2,25xN	W=1,60+0,120xN	0.065	100
GBS 418	40	127	282	84	239	L=9,00+2,05xN	W=1,40+0,118xN	0.055	50
GBS 420	31	127	282	68	223	L=9,00+2,64xN	W=1,55+0,112xN	0.076	150
GBS 500	31	124	532	73	478	L=10,00+2,23xN	W=2,25+0,200xN	0.100	100
GBS 525	36/34	118	525	69	476	L=9,00+2,59xN	W=2,40+0,200xN	0.125	100
GBS 600L	31	250	386	162	307	L=13,40+2,27xN	W=7,80+0,295xN	0.158	150
GBS 700	31	271	532	200	460	L=10,90+2,25xN	W=7,05+0,470xN	0.230	150
GBS 757	35	281	543	198	460	L=12,50+2,58xN	W=13,15+0,500xN	0.310	160
GBS 760	27/20	257	519	138	416	L=13,50+3,45xN	W=10,45+0,400xN	0.410	150
GBS 800	31	271	532	161	421	L=13,60+2,34xN	W=10,70+0,500xN	0.221	260
GBS 900	31	271	802	161	690	L=11,30+2,31xN	W=13,60+0,800xN	0.399	260
GBS 910	36/32	318	783	225	690	L=15,00+2,56xN	W=19,50+0,870xN	0.480	200
GBS 1000M/H	31	386	875	237	723	L=20,80+2,35xN	W=29,20+1,150xN	0.600	360
GBS 1000L	31/20	386	875	237	723	L=23,10+2,33xN	W=39,10+1,150xN	0.466/0.733	360
Also available as an advanced evaporator with a special "Delta Injection™" distribution system for the refrigerant inlet.									
GBS 400-AE	31	124	335	73	281	L=12,30+2,25xN	W=1,60+0,120xN	0.065	100
GBS 500-AE	31	124	532	73	478	L=10,00+2,23xN	W=2,25+0,200xN	0.100	100
GBS 700M-AE	31	271	532	200	460	L=10,90+2,25xN	W=7,05+0,470xN	0.230	150
GBS 800-AE	31	271	532	161	421	L=13,60+2,34xN	W=10,70+0,500xN	0.221	260
GBS 900-AE	31	271	802	161	690	L=11,30+2,31xN	W=13,60+0,800xN	0.399	260
GBS 1000H-AE	31	386	875	237	723	L=20,80+2,35xN	W=29,20+1,150xN	0.600	360

\*N = number of plates

### SPECIFICATIONS

- ▶ Plate Material: Stainless steel AISI 316L / 1.4404
- ▶ Brazing Material: Copper

### FEATURES

- ▶ Safety Chamber™ (model 600L, 700, 757, 800, 900, 1000)
- ▶ Delta Injection™ (model 400, 500, 700M, 800, 900, 1000H)
- ▶ Full Flow System™ (model 100, 200, 220, 240, 300, 400, 500)

### PERFORMANCE LIMITS

- ▶ Working temperature: -196°C to +200°C / -321°F to +392°F
- ▶ Working pressure: up to 40 bar / 580psi

### APPROVAL

- ▶ PED (CE)
- ▶ ASME VIII-1
- ▶ UL

### 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

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.