

# GBE Series – Brazed Plate Heat Exchangers

## Top performance, low budget

You know exactly what you want: plenty of performance and low costs. This is precisely why our EcoBrazed product line includes the brazed GBE Series. These plate heat exchangers with very high thermal efficiency give you total control of size, weight, capacity, quality and economic efficiency. Perfect for all applications up to 16 bar and up to +200°C.

**These units are available in four sizes for the following applications:**

- Heating systems (floor and conventional heating systems, hot water preparation)
- Hydraulic applications with low pressure levels
- Small refrigeration systems using R134A as refrigerant

To sum it up: The GBE Series provides inexpensive solutions.



## Features and benefits

### Robust Plate Design

A special plate arrangement by GEA PHE Systems, optimised plate design and pressure resistance up to 16 bar. The contact points were extended and enlarged by design and now result in stronger braze joints between the plates, thus guaranteeing high strength of the entire heat exchanger.

### Full-Flow System™

Every new plate design is now equipped with the Full-Flow System™. This unique flow system insures continuous flow around the port area to prevent freezing and also feeds the working fluid equally over the channel to guarantee maximum use of the heat transfer area. Additional protection and performance from GEA PHE Systems.

## GBE Series – Technical data

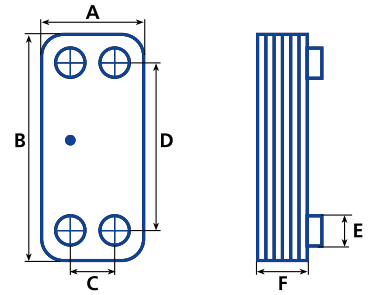
Plate material: Stainless steel AISI 316 / 1.4401

Brazing material: Copper

Performance: Up to 16 bar and up to +150°C

Third party approval: PED (CE), TÜV, further certifications upon request, UL listing

Features:



Type	A	B	C	D	E	F N = Number of plates	Mass N = Number of plates (kg)	Volume (l/Liter/Chanel)	Max. water flow rate (m <sup>3</sup> /h)	Max. number of plates
Standard dimensions (mm)										
GBE 100	74	204	40	170	15	7.0+2.23xN	0.42+0.05xN	0.046	4	50
GBE 200	86	226	43	183	20	7.9+2.21xN	0.23+0.05xN	0.030	6	50
GBE 220	86	323	43	279	20	7.9+2.21xN	0.26+0.08xN	0.046	6	50
GBE 240	86	457	43	414	20	7.9+2.21xN	0.31+0.12xN	0.070	6	50

Type	A	B	C	D	E	F N = Number of plates	Mass N = Number of plates (lbs)	Volume (gal/ch)	Max. water flow rate (gpm)	Max. number of plates
Standard dimensions (in)										
GBE 100	2.9	8.03	1.57	6.7	1/2	0.28+0.088xN	0.93+0.11xN	0.012	25	50
GBE 200	3.4	8.9	1.7	7.2	3/4	0.31+0.087xN	0.50+0.12xN	0.008	25	50
GBE 220	3.4	12.7	1.7	11.0	3/4	0.31+0.087xN	0.58+0.18xN	0.012	25	50
GBE 240	3.4	18.0	1.7	16.3	3/4	0.31+0.087xN	0.68+0.26xN	0.019	25	50

The specifications contained in this printing unit 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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