

## GBE Series – Brazed Plate Heat Exchangers

### Top performance, best value

You know exactly what you want: plenty of performance and low costs. This is precisely why our EcoBraze product line includes the copper brazed GBE Series. These plate heat exchangers offer premium thermal efficiency and optimum size, weight, capacity, and quality. Perfect for applications up to 232 psig (16 bar) and up to 350°F (177°C).

These units are available in various sizes for the following applications:

- Heating systems (floor and conventional heating systems, domestic hot water)
- Low pressure Hydraulic applications
- Low pressure to high pressure interface

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



### Features and benefits



#### Robust Plate Design

A special plate arrangement by GEA PHE Systems, optimized plate design and pressure resistance up to 232 psig (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 Systems™

Every new plate design is now equipped with the Full-Flow Systems™. This unique flow system offers additional protection and performance to ensure continuous flow around the port area while feeding the working fluid equally over the channel to guarantee maximum use of the heat transfer area.

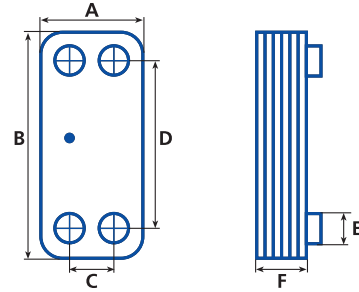
## GBE Series: Technical data

Plate Material: Stainless steel AISI 316L

Brazing material: Copper

Performance: up to 232 psig (16 bar), 350°F (177°C)

Third party approval: UL listing, CRN, PED



Features:



Type	A	B	C	D	E	F N = Number of plates	Weight N = Number of plates	Volume	Max. water flow rate	Max. number of plates
Standard dimensions (in)							(lbs)	(gal/channel)	(gpm)	
GBE 200	3.4	8.9	1.7	7.2	3/4	0.31+0.087xN	0.58+0.12xN	0.008	25	50
GBE 220	3.4	12.7	1.7	11.0	3/4	0.31+0.087xN	0.68+0.18xN	0.012	25	50
GBE 240	3.4	18.0	1.7	16.3	3/4	0.31+0.087xN	0.84+0.26xN	0.019	25	50
GBE 400	5.0	13.3	2.9	11.1	1-1/4	0.35+0.088xN	1.10+0.28xN	0.017	70	100

Type	A	B	C	D	E	F N = Number of plates	Weight N = Number of plates	Volume	Max. water flow rate	Max. number of plates
Standard dimensions (mm)							(kg)	(Liter/Channel)	(m³/h)	
GBE 200	86	226	43	183	20	7.9+2.21xN	0.26+0.05xN	0.030	6	50
GBE 220	86	323	43	279	20	7.9+2.21xN	0.31+0.08xN	0.046	6	50
GBE 240	86	457	43	414	20	7.9+2.21xN	0.38+0.12xN	0.070	6	50
GBE 400	127	338	74	282	32	8.9+2.23xN	0.50+0.13xN	0.065	20	100

## GEA PHE Systems – Competence in Heat Transfer

With emphasis on the highest quality standards and constant innovations, GEA PHE Systems continues to expand its market position: Within the GEA Process Equipment Division, GEA Ecoflex together with GEA ViEX, GEA WTT, GEA PHE Systems North America and GEA EcoServe forms GEA PHE Systems, the Center of Competence and Service for gasketed, fully welded and brazed plate heat exchangers of GEA Group:

- HVAC
- Sugar
- Paper
- Power
- General Industry
- Refrigeration
- Chemical
- Food
- Marine
- Renewable Energy

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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