

Kelvion



Brazed Plate Heat Exchangers

GBE SERIES— COPPER BRAZED PHE





The GBE series provides plenty of performance at low costs. This is precisely why our Global GBS/GBE 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 190 psig/160 psig (13 bar)/(11 bar) and up to 350°F (177°C). Applications covered: Heating, Low Pressure Hydraulic, and Low Pressure to High Pressure Interface.

Expansion Metering Distributor™—A Direct Expansion Metering Distributor provides precise metering of refrigerant to the channel plates for a wide range of operating conditions.

Full-Flow System™—This unique flow system ensures continuous flow around the port area to prevent freezing and feeds the working fluid equally.

Rolled Edge Lock System™—This feature provides extended and larger contact points, providing stronger brazed joints between the plates.

The GBE Advantage		
Features		Benefits
Robust Plate Design		Pressure Resistance Up To 190 (13 bar) Primary Side
Extended and Enlarged Contact Points		Stronger Braze Points
Optimized Heat Exchanger Construction		Thermal Performance At Minimal Cost
Full Flow System Port Area Design		Optimal and Continuous Port Distribution and Thermal Efficiency

GBE Series: Technical data

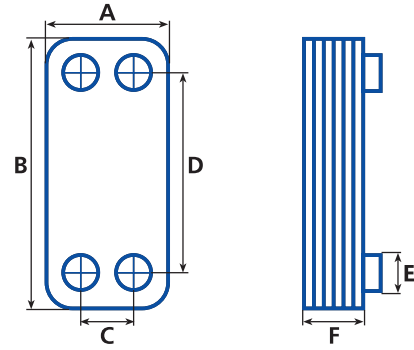
Plate Material: Stainless Steel AISI 316L (1.4401)

Brazing Material: Copper

Performance: Up to 190 psig (13 bar)/160 psig (11 bar),
300°F (150°C)

Third Party Approvals: UL listed

Features:



Standard Dimensions Inches (mm)												
Model	A		B		C		D		E		F	
GBE 200	3.5"	90 mm	9.1"	231 mm	1.7"	43 mm	7.2"	182 mm	.79"	20 mm	0.31 + (0.087 x N*)	7.9 + 2.21 x N
GBE 220	3.5"	90 mm	12.9"	328 mm	1.7"	43 mm	11.0"	279 mm	.79"	20 mm	0.31 + (0.087 x N)	7.9 + 2.21 x N
GBE 240	3.5"	90 mm	18.3"	464 mm	1.7"	43 mm	16.3"	415 mm	.79"	20 mm	0.31 + (0.087 x N)	7.9 + 2.21 x N
GBE 400	4.9"	124 mm	13.2"	335 mm	2.9"	73 mm	11.1"	281 mm	.98"	25 mm	0.29 + (0.088 x N)	7.4 + 2.23 x N

*N = number of plates

Technical Data							
Model	Net Weight		Volume		Max Standard Flow Rate		Max Plate Count
	lb	kg					
GBE 200	1.11 + (0.130 x N*)	0.50 + (0.06 x N)	0.008 gal/ch	0.030 l/ch	25 gpm	6 m ³ /h	50
GBE 220	1.28 + (0.176 x N)	0.58 + (0.08 x N)	0.012 gal/ch	0.046 l/ch	25 gpm	6 m ³ /h	50
GBE 240	1.59 + (0.310 x N)	0.72 + (0.14 x N)	0.019 gal/ch	0.070 l/ch	25 gpm	6 m ³ /h	50
GBE 400	1.55 + (0.290 x N)	0.70 + (0.13 x N)	0.017 gal/ch	0.065 l/ch	45 gpm	10 m ³ /h	100

*N = number of plates

The specifications contained in this printing 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.

About Kelvion:

Kelvion provides one of the most extensive product portfolios in the heat exchange market worldwide for a wide range of applications. Kelvion manufactures plate, shell and tube, air-cooled heat exchangers, air filter systems, synthetic fillings for numerous areas of application, wet cooling towers and dry cooling systems, as well as air-conditioning facilities. As a result, Kelvion provides reliable and comprehensive coverage of the entire spectrum for heat exchange.

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