


GEA – Plate Heat Exchanger		Design Limits*	
Model	Plates	Solder Temperature	Pressure
GBS1000H-AE-...	1.4401	Copper ±200°C	30 bar

*Attention: Connections can reduce the design limits!

Standard Connections					
C-PTL	Size	Length	Primary (Refrigerant) Outlet	Inlet	Secondary (Sole)
Compac-Flange (1.4404), incl. Counter-Flange (C22.8 or 1.4404)					
SC	DN65 (40bar)	S=69,5mm	—	—	<input type="checkbox"/>
TGD	DN80 (40bar)	S=115mm	—	—	<input type="checkbox"/>
THA	DN100 (40bar)	S=142,5mm	—	—	<input type="checkbox"/>
Refrigerant-Flange C22.8 (Steel), incl. Counter-Flange for Welding or Soldering					
LX	DN50 (40bar)	S=92,5mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SX	DN65 (40bar)	S=90,5mm	<input type="checkbox"/>	—	<input type="checkbox"/>
TGX	DN80 (40bar)	S=104,5mm	<input type="checkbox"/>	—	<input type="checkbox"/>
THX	DN100 (40bar)	S=125,5mm	<input type="checkbox"/>	—	<input type="checkbox"/>
Solder Connections					
LZ	1 5/8" (ø 42,1mm)	S=27,5mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
L	2 1/8" (ø 54mm)	S=27,5mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
S	70,3 mm	S=27,5mm	<input type="checkbox"/>	—	<input type="checkbox"/>
LR	76,2 mm	S=27,5mm	<input type="checkbox"/>	—	<input type="checkbox"/>
LB	3 1/8" (ø79,2mm)	S=27,5mm	<input type="checkbox"/>	—	<input type="checkbox"/>
TN	4 1/8" (ø105mm)	S=27,5mm	<input type="checkbox"/>	—	<input type="checkbox"/>
Additional Connections on the Backplate (Internal Thread)					
OZ	G 1/2	S=27,5mm	—	—	<input type="checkbox"/>
Other Connections on Inquiry!					

	No. of Plates	50	60	70	80	90	100	100	110	110	120	130	140	150
Weight Empty (kg)	102,0	114,5	127,0	139,5	152,0	164,5	177,0	189,5	202,0	214,5	227,0	240,0	253,0	266,0
Surface (m ²)	14,4	17,4	20,4	23,4	26,4	29,4	32,4	35,4	38,4	41,4	44,4	47,4	50,4	53,4
No. of Plates	160	170	180	190	200	210	220	230	240	250	260	270	280	290
Weight Empty (kg)	239,5	252,0	264,5	277,0	289,5	302,0	314,5	327,0	339,5	352,0	364,5	377,0	389,5	402,0
Surface (m ²)	47,4	50,4	53,4	56,4	59,4	62,4	65,4	68,4	71,4	74,4	77,4	80,4	83,4	86,4
No. of Plates	270	280	290	300										
Weight Empty (kg)	377,0	389,5	402,0	414,5										
Surface (m ²)	80,4	83,4	86,4	89,4										

Approvals: PED + EN13445, other approvals on inquiry



GEA

Zachnungsname, Benennung, Werkstoff, Abmessungen usw.

Zachnungsname

Zachnschick	Gepruft	Genehmigt - datum	Rechnell-, Modell-, Werkstoff.
Vogt	Graichen	09.12.2008	1:7,5

Finanzname
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Zachnungsname
Plate Heat Exchanger GBS1000H-AE
 GBS1000H-AE-0812.0812.01-E

The manufacturer herewith certifies that construction, production and examination of his pressure vessel are in conformity with EU guideline 97/23/EC.