



GEA – Plate Heat Exchanger				Design Limits*	
Model	Plates	Solder	Temperature	Pressure	
GBS900H–...	1.4401	Copper	±200°C	30 bar	

*Attention: Connections can reduce the design limits!

Standard Connections					
C-PTL	Size	Length	Primary	Secondary	
Compac-Flange (1.4404),incl.Counter-Flange (C22.8 od.1.4404)					
SC	DN65/PN40	S=62mm	<input type="checkbox"/>	<input type="checkbox"/>	
TGD	DN80/PN40	S=107,5mm	<input type="checkbox"/>	<input type="checkbox"/>	
External Thread					
TB	G2	S=65mm	<input type="checkbox"/>	<input type="checkbox"/>	
LG	G2 1/2	S=65mm	<input type="checkbox"/>	<input type="checkbox"/>	
Internal Thread					
SM	G2 1/2	S=65mm	<input type="checkbox"/>	<input type="checkbox"/>	
Solder Connections					
IA	1 1/8" (ø 28,7mm)	S=20mm	<input type="checkbox"/>	<input type="checkbox"/>	
K	1 3/8" (ø 35,1mm)	S=20mm	<input type="checkbox"/>	<input type="checkbox"/>	
LZ	1 5/8" (ø 42,1mm)	S=20mm	<input type="checkbox"/>	<input type="checkbox"/>	
L	2 1/8" (ø 54mm)	S=20mm	<input type="checkbox"/>	<input type="checkbox"/>	
ZB	64,3 mm	S=20mm	<input type="checkbox"/>	<input type="checkbox"/>	
S	70,3 mm	S=20mm	<input type="checkbox"/>	<input type="checkbox"/>	
LR	76,2 mm	S=30mm	<input type="checkbox"/>	<input type="checkbox"/>	
LB	3 1/8" (ø 79,6mm)	S=40mm	<input type="checkbox"/>	<input type="checkbox"/>	
Additional Connections on the Backplate (Internal Thread)					
OZ	G 1/2	S=20mm	<input type="checkbox"/>	<input type="checkbox"/>	
Other Connections on Inquiry!					

No. of Plates	20	24	30	34	40	44	50	60	70	80	90
Weight Empty (kg)	27,5	30,7	35,5	38,7	43,5	46,7	51,5	59,5	67,5	75,5	83,5
Surface (m ²)	3,6	4,4	5,6	6,4	7,6	8,4	9,6	11,6	13,6	15,6	17,6
No. of Plates	100	110	120	130	140	150	160	170	180	190	200
Weight Empty (kg)	91,5	99,5	107,5	115,5	123,5	131,5	139,5	147,5	155,5	163,5	171,5
Surface (m ²)	19,6	21,6	23,6	25,6	27,6	29,6	31,6	33,6	35,6	37,6	39,6
No. of Plates	210	220	230	240	250	260					
Weight Empty (kg)	179,5	187,5	195,5	203,5	211,3	219,5					
Surface (m ²)	41,6	43,6	45,6	47,6	49,6	51,6					

Approvals: PED + EN13445, other approvals on inquiry

GEA			
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Zeichnungsname	Benennung	Werkstoff	Abmessungen von
04030001	Vogt	Graichen	
Zeichnungsnummer	Genehmigt - datum	Datum	Reihenl.- Modell- Werkstoff
Plate Heat Exchanger GBS900H	12.10.09	10.01.09	
GBS900H-0812.0910.02-E			Maßstab
			1:5

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