



GEA – Plate Heat Exchanger		Design Limits*	
Model	Plates	Solder	Temperature
GBS400H-AE-...	1,4401	Copper	±200°C
			Pressure
			30 bar

*Attention: Connections can reduce the design limits!

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

Standard Connections		Length	Primary (Refrigerant) Outlet	Inlet	Secondary (Sole)
C-PTL	Size				
External Thread					
C	G3/4	S=20mm	—	—	<input type="checkbox"/>
E	G1	S=20mm	—	—	<input type="checkbox"/>
EL	G1	S=40mm	—	—	<input type="checkbox"/>
F	G1 1/4	S=20mm	—	—	<input type="checkbox"/>
FL	G1 1/4	S=40mm	—	—	<input type="checkbox"/>
Internal Thread					
R	G1	S=20mm	—	—	<input type="checkbox"/>
Solder Connections					
NO	3/8" (ø9,9mm)	S=20mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TZ	ø 10,3 mm	S=20mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
M	1/2" (ø13,0mm)	S=20mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TX	ø 15,3 mm	S=20mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
O	5/8" (ø16,3mm)	S=20mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TU	ø 18,3 mm	S=20mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
N	3/4" (ø19,5mm)	S=20mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
H	7/8" (ø22,35mm)	S=20mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I	ø 28,35 mm	S=20mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IA	1 1/8" (ø 28,7mm)	S=20mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
K	1 3/8" (ø 35,1mm)	S=20mm	<input type="checkbox"/>	—	<input type="checkbox"/>
Additional Connections on the Backplate (Internal Thread)					
OZ	G 1/2	S=20mm	—	—	<input type="checkbox"/>
Other Connections on Inquiry!					

No. of Plates	8	10	14	20	24	30	34	40	44	50	60
Weight Empty (kg)	2,6	2,9	3,4	4,2	4,7	5,5	6,0	6,8	7,3	8,1	9,4
Surface (m ²)	0,21	0,28	0,42	0,63	0,77	0,98	1,12	1,33	1,47	1,68	2,03
No. of Plates	70	80	90	100							
Weight Empty (kg)	10,7	12,0	13,3	14,6							
Surface (m ²)	2,38	2,73	3,08	3,43							

Approvals: PED + EN13445, other approvals on inquiry

		Zeichnungsname: Berechnung, Wiederf. Abmessungen usw.		Reihen- / Modell- / Werkstoff:	
		Gesamtheit	Geprüft	Gesamtheit - datum	Datum
Vogt		Gratchen		12.10.09	
Firmenname GEA WTT GmbH Remsler Str. 2a 04603 Nobitz Wilchwitz Germany Tel.: +49(0)3447-5539-0 / Fax: +49(0)3447-5539-30 www.gea-phe.com ecobr@ze.phe.de@gggroup.com		Zeichnungsname Plate Heat Exchanger GBS400H-AE		Zeichnungsnummer GBS400H-AE-0812.0910.02-E	
				Bocht 1:3	