



GEA – Plate Heat Exchanger		Design Limits*	
Model	Plates	Solder Temperature	Pressure
<input type="checkbox"/> GBSS500H-AE-...	1.4401 Copper	±200°C	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

C-PTL	Size	Length	Primary (Refrigerant) Outlet	Inlet	Secondary (Sole)
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)	3,4	3,9	4,7	6,0	6,8	8,1	8,9	10,2	11,0	12,3	14,4
Surface (m <sup>2</sup> )	0,35	0,47	0,71	1,06	1,30	1,65	1,89	2,24	2,48	2,73	3,42
No. of Plates	70	80	90	100							
Weight Empty (kg)	16,5	18,6	20,7	22,8							
Surface (m <sup>2</sup> )	4,01	4,60	5,19	5,78							

Approvals: PED + EN13445, other approvals on inquiry

		Zeichnungsname, Bezeichnung, Werkstoff, Anmerkungen usw.			
		Gezeichnet	Geprüft	Gezeichnet - datum	Datum
Vogt		Graichen		12.10.09	10.01.09
Firmenname GEA WTT GmbH Remsaer Str. 2a 04603 Nobitz - Wilchwitz Germany Tel.: +49(0)3447-5539-0 / Fax: +49(0)3447-5539-30 www.gea-phe.com ecobr@gea-phe.de@geagroup.com		Zeichnungsname Plate Heat Exchanger GBSS500H-AE		Zeichnungsnummer GBSS500H-AE-0812.0910.02-E	
				Maßstab	Blatt
				1:3	