

Evaporator with Delta-Injection-
Distribution-System on the Refrigerant-Inlet

$L=1,3,5+2,35 \times N$
(theoretical dimension)
 $L=11,15+2,35 \times N$
(connection on back)

GEA – Plate Heat Exchanger		Design Limits*	
Model	Plates	Solder	Temperature
GBS800H-AE-...	1.4401	Copper	$\pm 200^{\circ}\text{C}$
			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					
C-PTL	Size	Length	Primary (Refrigerant) Outlet	Inlet	Secondary (Sole)
Compac-Flange (1.4404), incl. Counter-Flange (C22.8 or 1.4404)					
SC	DN65	S=62mm	—	—	<input type="checkbox"/>
TGD	DN80	S=107,5mm	—	—	<input type="checkbox"/>
External Thread					
TB	G2	S=65mm	—	—	<input type="checkbox"/>
LG	G2 1/2	S=65mm	—	—	<input type="checkbox"/>
Internal Thread					
SM	G2 1/2	S=65mm	—	—	<input type="checkbox"/>
Solder Connections					
IA	1 1/8" (ϕ 28,7mm)	S=20mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
K	1 3/8" (ϕ 35,1mm)	S=20mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LZ	1 5/8" (ϕ 42,1mm)	S=20mm	<input type="checkbox"/>	—	<input type="checkbox"/>
L	2 1/8" (ϕ 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" (ϕ 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)	20,8	23,0	26,2	28,4	31,6	33,8	37,0	42,4	47,8	53,2	58,6
Surface (m ²)	2,34	2,86	3,64	4,16	4,94	5,46	6,24	7,54	8,84	10,14	11,44
No. of Plates	100	110	120	130	140	150	160	170	180	190	200
Weight Empty (kg)	64,0	69,4	74,8	80,2	85,6	91,0	96,4	101,8	107,2	112,6	118,0
Surface (m ²)	12,74	14,04	15,34	16,64	17,94	19,24	20,54	21,84	23,14	24,44	25,74
No. of Plates	210	220	230	240	250	260					
Weight Empty (kg)	123,4	128,8	134,2	139,6	145,0	150,4					
Surface (m ²)	27,04	28,34	29,64	30,94	32,24	33,54					

Approvals: PED + EN13445, other approvals on inquiry

		Zeichnungsname, Bezeichnung, Werkstoff, Abmessungen usw.		Zeichnungsnummer	
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			Datum 09.12.2008	Maßstab 1:5	Blatt