



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

Standard Connections		Length	Primary (Refrigerant) Outlet	Inlet	Secondary (Sole)
C-PTL	Size				
Welding-Neck Flange PN40 – DIN 2635					
TM	DN40	S=95mm	—	—	☐
LM	DN50	S=100mm	—	—	☐
External Thread					
GZ	G1 1/2	S=20mm	—	—	☐
G	G2	S=20mm	—	—	☐
TB	G2	S=65mm	—	—	☐
LG	G2 1/2	S=65mm	—	—	☐
Internal Thread					
TD	G1 1/2	S=65mm	—	—	☐
Solder Connections					
H	7/8" (ø22,35mm)	S=20mm	☐	☐	☐
I	ø 28,35 mm	S=20mm	☐	—	☐
IA	1 1/8" (ø 28,7mm)	S=20mm	☐	☐	☐
K	1 3/8" (ø 35,1mm)	S=20mm	☐	☐	☐
LZ	1 5/8" (ø 42,1mm)	S=20mm	☐	—	☐
L	2 1/8" (ø 54mm)	S=20mm	☐	—	☐
Additional Connections on the Backplate (Internal Thread)					
OZ	G 1/2	S=20mm	—	—	☐
Other Connections on Inquiry!					

No. of Plates	20	24	30	34	40	44	50	60	70	80	90
Weight Empty (kg)	20,4	22,6	25,8	28,0	31,2	33,4	36,6	42,0	47,4	52,8	58,2
Surface (m ²)	2,43	2,97	3,78	4,32	5,13	5,67	6,48	7,83	9,18	10,53	11,88
No. of Plates	100	110	120	130	140	150					
Weight Empty (kg)	63,6	69,0	74,4	79,8	85,2	90,6					
Surface (m ²)	13,23	14,58	15,93	17,28	18,63	19,98					

Approvals: PED + EN13445, other approvals on inquiry

GEA – Plate Heat Exchanger		Design Limits*	
Model	Plates	Solder	Temperature
GBS700M-AE-...	1.4401	Copper	±200°C
			Pressure
			30 bar

*Attention: Connections can reduce the design limits!

		Zeichnungsname, Benennung, Werkstoff, Abmessungen usw.		Reichtill-Modell-, Werkstoff-...	
Firmenname GEA WTT GmbH Renssauer 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@geagroup.com		Zeichnungsnummer Vogt		Zeichnungsdatum 12.10.09	
Zeichnungsname Plate Heat Exchanger GBS700M-AE		Reichtill-Modell-, Werkstoff-... Gratchen		Zeichnungsdatum 10.01.09	
Zeichnungsnummer GBS700M-AE-0812.0910.02-E		Reichtill-Modell-, Werkstoff-... 1:5		Zeichnungsdatum 10.01.09	
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The manufacturer herewith certifies that construction, production and examination of his pressure vessel are in conformity with EU guideline 97/23/EC.