



Exchanger connection options	
Standard	DN65(Compac) - 80mm long
Alternative	
Other	On request
Additional	On rear positions L1 to L4
Studs & Bolts	On request

Insulation options	Example picture
<b>Aluminium coated PU foam</b> Heating applications to +150°C (Peak)	
<b>Self-adhesive rubberised</b> Cooling applications -50 to +105°C	

Detachable pipe connection	Example picture
<b>Compac Flange Stainless steel</b> counter-flange (1 pcs)	
<b>Compac Flange mild steel</b> counter-flange (1 pcs)	

Amount of plates	Type	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200		
Volume Primary side (I)*	L	6.95	8.78	10.61	12.44	14.27	16.10	17.93	19.76	21.59	23.42	25.25	27.08	28.91	30.74	32.57	34.40	36.23		
	M	5.91	7.46	9.02	10.57	12.13	13.68	15.24	16.79	18.35	19.90	21.46	23.01	24.57	26.12	27.68	29.23	30.79		
	H	4.16	5.26	6.35	7.45	8.54	9.64	10.73	11.83	12.92	14.02	15.11	16.21	17.30	18.40	19.49	20.59	21.68		
Volume Secondary side (I)*	L	7.32	9.15	10.98	12.81	14.64	16.47	18.30	20.13	21.96	23.79	25.62	27.45	29.28	31.11	32.94	34.77	36.60		
	M	6.22	7.78	9.33	10.89	12.44	14.00	15.55	17.11	18.66	20.22	21.77	23.33	24.88	26.44	27.99	29.55	31.10		
	H	4.38	5.48	6.57	7.67	8.76	9.86	10.95	12.05	13.14	14.24	15.33	16.43	17.52	18.62	19.71	20.81	21.90		
Max working pressure (bar)		25																		
Min / Max temperature (°C)		-10/+180																		
PED Class Group 1 (Category)		II	II *a	III *c	III															
PED Class Group 2 (Category)		I	I *b	II *d	II															
Plate packet depth L(mm)*	L	101	123	145	167	189	211	233	255	277	299	321	343	365	387	409	431	453		
	M	89	108	127	146	165	184	203	222	241	260	279	298	317	336	355	374	393		
	H	69	83	97	111	125	139	153	167	181	195	209	223	237	251	265	279	293		
Net Weight Empty (kg)		30.8	35.1	39.4	43.7	48.0	52.3	56.6	60.9	65.2	69.5	73.8	78.1	82.4	86.7	91.0	95.3	99.6		
Heat Transfer Area (m <sup>2</sup> )		7.18	9.07	10.96	12.85	14.74	16.63	18.52	20.41	22.30	24.19	26.08	27.97	29.86	31.75	33.64	35.53	37.42		

**Where appropriate the following European standards and regulations were used during design and construction:**

97/23/EC (Pressure Equipment Directive)  
 EN 1148 (Water to water heat exchangers for district heating)  
 EN 10272 (Stainless steel bars used for pressure purposes)  
 EN 10028-7 (Stainless steel flat products used for pressure purposes)  
 Please ask your sales partner if you require other standards or certification to be applied.

EN 13445 (Unfired Pressure Vessels )  
 ISO 2768-m (General tolerances class "m")  
 ISO 228-1 ("G" Thread BSP parallel)

©2015 Errors, Omissions and Technical Alterations excepted  
 Connections : 1.4301 (304) / Plates : 1.4404 (316L) / Braze : Cu 99.9%  
 Sizes in mm unless otherwise shown

\* Calculated values (final tolerance to ISO 2768-m)  
 \*a = III L Plate  
 \*b = II L Plate  
 \*c = II H Plate  
 \*d = I H Plate

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	Status	Change	Date	Name	
			Drawn by	10.07.2015	AWU
			Checked by	14.07.2015	DRO

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