



Exchanger connection options	
Standard	G 5/4" - 25mm long
Alternative	G 1" - 20mm long
Other	On request
Additional	On rear positions L1 to L4
Studs & Bolts	On request

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

Mounting options	Example picture
Angled Wall Bracket "L" bracket including strap & screws	

Detachable pipe connection options	Example picture
VER 25 From G5/4" to DN25 weld (2 pcs/set)	
VER 28 From G5/4" to 28 mm solder (2 pcs/set)	
VER 1 From G5/4" to 1" thread (2 pcs/set)	

Amount of plates	Type	10	14	20	24	30	34	40	44	50	60	70	80	90	100	110	120	130	140	
Volume Primary side (l)*	L	0.16	0.24	0.35	0.43	0.55	0.63	0.75	0.83	0.94	1.14	1.34	1.53	1.73	1.93	2.12	-	-	-	
	M	0.13	0.19	0.29	0.36	0.45	0.52	0.61	0.68	0.78	0.94	1.10	1.26	1.42	1.58	1.75	-	-	-	
	H	0.11	0.17	0.25	0.31	0.39	0.45	0.53	0.59	0.67	0.82	0.96	1.10	1.24	1.38	1.52	1.66	1.80	1.94	
Volume Secondary side (l)*	L	0.20	0.28	0.39	0.47	0.59	0.67	0.79	0.87	0.98	1.18	1.38	1.57	1.77	1.97	2.16	-	-	-	
	M	0.16	0.23	0.32	0.39	0.48	0.55	0.65	0.71	0.81	0.97	1.13	1.29	1.45	1.62	1.78	-	-	-	
	H	0.14	0.20	0.28	0.34	0.42	0.48	0.56	0.62	0.70	0.84	0.98	1.12	1.26	1.41	1.55	1.69	1.83	1.97	
Max working pressure (bar)		25																		
Min / Max temperature (°C)		-10/+180																		
PED Class Group 1 (Category)		SEP																		
PED Class Group 2 (Category)		SEP *a SEP *b I I (II L Plate)																		
Plate packet depth L(mm)*	L	27.5	34.5	45.0	52.0	62.5	69.5	80.0	87.0	97.5	15.0	132.5	150.0	167.5	185.0	202.5	-	-	-	
	M	24.0	29.6	38.0	43.6	52.0	57.6	66.0	71.6	80.0	94.0	108.0	122.0	136.0	150.0	164.0	-	-	-	
	H	22.5	27.5	35.0	40.0	47.5	52.5	60.0	65.0	72.5	85.0	97.5	110.0	122.5	135.0	147.5	160.0	172.5	185.0	
Net Weight Empty (kg)		2.32	2.56	2.92	3.16	3.52	3.76	4.12	4.36	4.72	5.32	5.92	6.52	7.12	7.72	8.32	8.92	9.52	10.12	
Heat Transfer Area (m²)		0.22	0.33	0.50	0.61	0.78	0.89	1.06	1.17	1.34	1.62	1.90	2.18	2.46	2.73	3.01	3.29	3.57	3.85	

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 = I M & L Plate
 *b = I L Plate

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	Date	Name			
Drawn by	24.04.2015	AWU			
Checked by	27.04.2015	DRO			
Status	Change	Date	Name		

PBF10_STD_15_Rev00