



Exchanger connection options	
Standard	G 1" - 20mm long
Alternative	Solder
Other	On request
Additional	
Studs & Bolts	

Insulation options	Example picture

Mounting options	
<b>Wall Connection Set</b> Simple, compact & professional mount using the exchanger connections	
<b>Angled Wall Bracket</b> "L" bracket including strap & screws	

Detachable pipe connection options	
<b>VER 20</b> From G1" to DN20 weld (2 pcs/set)	
<b>VER 22</b> From G1" to 22 mm solder (2 pcs/set)	
<b>VER 3/4</b> From G1" to 3/4" thread (2 pcs/set)	
<b>VEROR1</b> From G1" to 1" thread - reduction-free (2 pcs/set)	

Amount of plates	Type	10	14	20	24	30	34	40	44	50	60	70	80	
Volume Primary side (l)*	L	0.41	0.61	0.92	1.12	1.43	1.63	1.94	2.14	2.45	-	-	-	
	M	0.28	0.42	0.63	0.77	0.98	1.12	1.33	1.47	1.68	2.03	-	-	
	H	0.23	0.34	0.51	0.63	0.80	0.91	1.08	1.20	1.37	1.65	1.94	2.22	
Volume Secondary side (l)*	L	0.51	0.71	1.02	1.22	1.53	1.73	2.04	2.24	2.55	-	-	-	
	M	0.35	0.49	0.70	0.84	1.05	1.19	1.40	1.54	1.75	2.10	-	-	
	H	0.29	0.40	0.57	0.68	0.86	0.97	1.14	1.25	1.43	1.71	2.00	2.28	
Max working pressure (bar)		25												
Min / Max temperature (°C)		-10/+150												
PED Class Group 1 (Category)														
PED Class Group 2 (Category)														
Plate packet depth L(mm)*	L	105.00				135.00				179.00				
	M	105.00				135.00				179.00				
	H	105.00				135.00				179.00				
Net Weight Empty (kg)		4.70	5.34	6.30	6.94	7.90	8.54	9.50	10.14	11.1	12.7	14.3	15.9	
Heat Transfer Area (m <sup>2</sup> )		0.45	0.67	1.01	1.23	1.57	1.79	2.13	2.35	2.69	3.25	3.81	4.37	

**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)

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 Sizes in mm unless otherwise shown

Connections : 1.4301 (304) / Plates : 1.4404 (316L) / Braze : Cu 99.9%

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	Drawn by Checked by	24.08.2015 26.08.2015	AWU DRO	<b>PBFX20_STD_15_Rev00</b>	
Status Change Date Name					

\* Calculated values (final tolerance to ISO 2768-m)