



Exchanger connection options		1
<b>Standard</b>		DN100 - 90mm long (EN 1092-1)
<b>Alternative</b>		
<b>Other</b>		On request
<b>Additional</b>		On rear positions L1 to L4
<b>Studs &amp; Bolts</b>		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 options		Example picture
<b>Compac Flange Stainless steel</b> counter-flange (1 pcs)		
<b>Compac Flange Carbon steel</b> counter-flange (1 pcs)		

Amount of plates	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	250	300	350
Volume Side 1 (l)*	14.4	17.4	20.4	23.4	26.4	29.4	32.4	35.4	38.4	41.4	44.4	47.4	50.4	53.4	56.4	59.4	74.4	89.4	104.0
Volume Side 2 (l)*	15.0	18.0	21.0	24.0	27.0	30.0	33.0	36.0	39.0	42.0	45.0	48.0	51.0	54.0	57.0	60.0	75.0	90.0	105.0
Max working pressure (bar)	30																		
Min / Max temperature (°C)	-196 / +200																		
PED Class Group 1 (Category)	III									IV**									
PED Class Group 2 (Category)	II									III									
Plate packet depth L(mm)*	136.0	159.1	182.2	205.3	228.4	251.5	274.6	297.7	320.8	343.9	367.0	390.1	413.2	436.3	459.4	482.5	598.0	713.5	829.0
Net Weight Empty (kg)	114.0	126.5	139.0	151.5	164.0	176.5	189.0	201.5	214.0	226.5	239.0	251.5	264.0	276.5	289.0	301.5	364.0	426.5	489.0
Heat Transfer Area (m²)	14.4	17.4	20.4	23.4	26.4	29.4	32.4	35.4	38.4	41.4	44.4	47.4	50.4	53.4	56.4	59.4	74.4	89.4	104.4

**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)  
 EN 1092-1 (Steel Flanges)

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 Sizes in mm unless otherwise shown

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

\* Calculated values (final tolerance to ISO 2768-m)  
 \*\* PED Category IV (Available as special order or III with reduced max working pressure - please contact the sales team)

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	Date	Name	<b>PB88_STD_15_Rev00</b>		
Drawn by	10.09.2015 AWU				
Checked by	11.09.2015 DRO				
Status	Change	Date	Name		