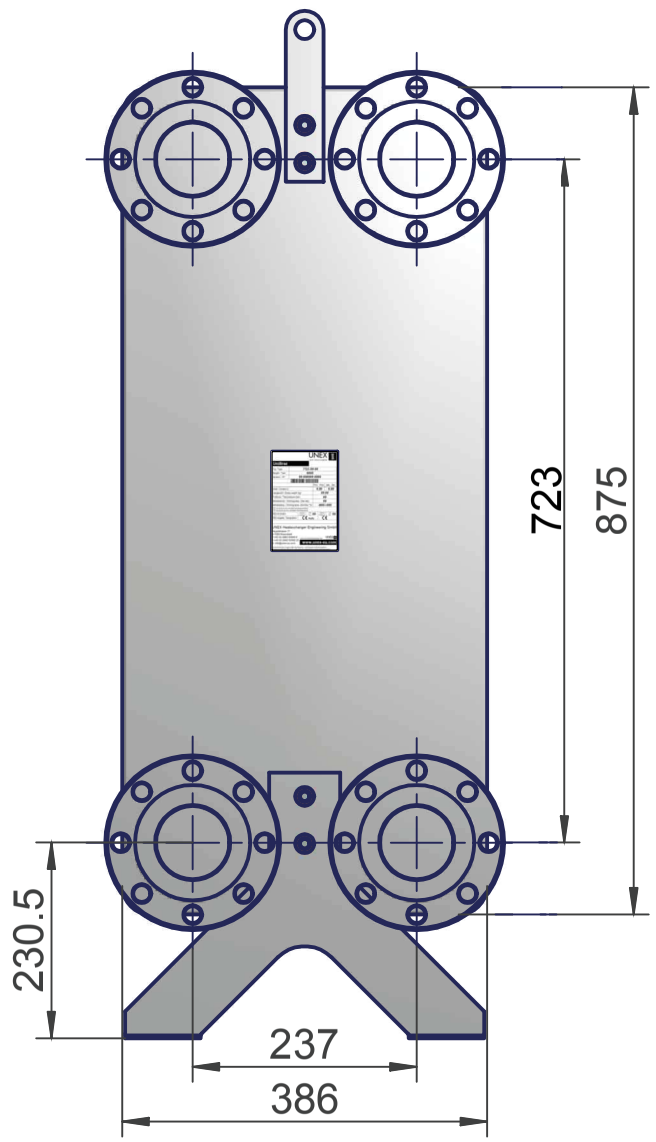

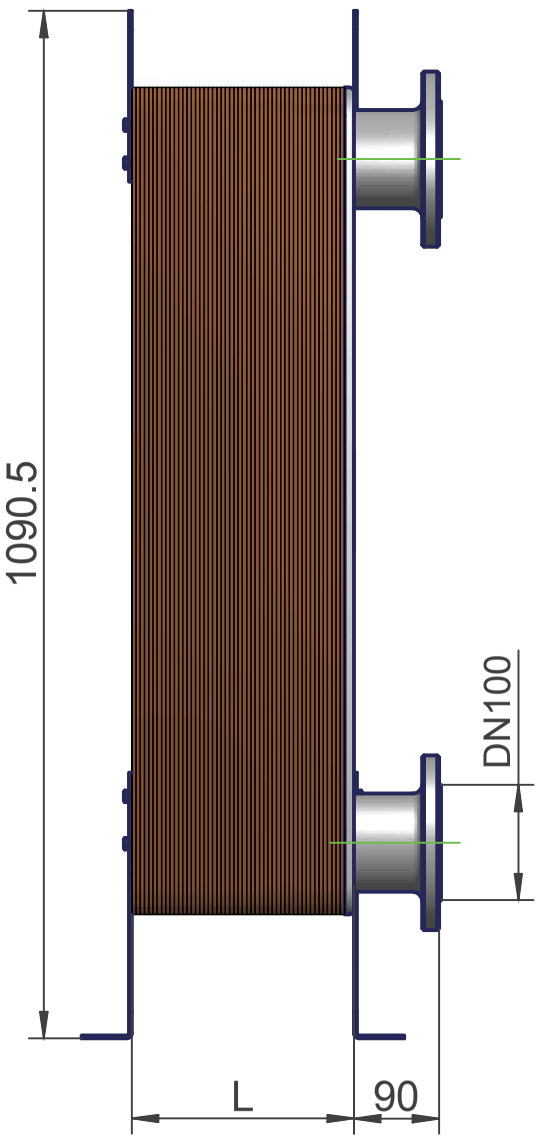

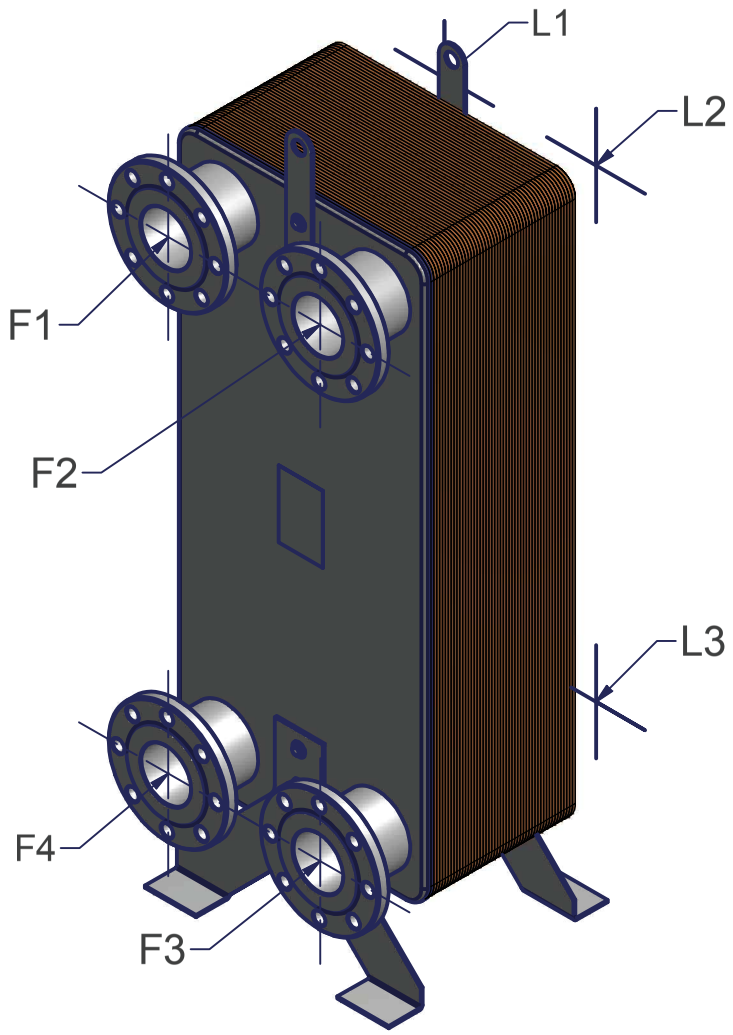

Exchanger connection options	
Standard	DN100 - 90mm long
Alternative	DN100 (Compac)
Other	On request
Additional	On rear positions L1 to L4
Studs & Bolts	On request

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

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)*	138.5	161.6	184.7	207.8	230.9	254.0	277.1	300.2	323.3	346.4	369.5	392.6	415.7	438.8	461.9	485.0	600.5	716.0	831.5
Net Weight Empty (kg)	102.0	114.5	127.0	139.5	152.0	164.5	177.0	189.5	202.0	214.5	227.0	239.5	252.0	264.5	277.0	289.5	352.0	414.5	477.0
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

* 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)

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)

©2014 Errors, Omissions and Technical Alterations excepted

Size in mm

Material : 1.4301 (304) / 1.4404 (316L) / Cu 99.9%

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Scale
M 1:8 (A3)

Status	Change	Date	Name		Date	Name
				Drawn by	12.08.2014	MPI
				Checked by	09.10.2014	DRO

PB88_STD_14_Rev00