



Amount of plates ***	30	36	40	50	60	70	80	90	100	110	120	140	160	180	200
Volume Side 1 (l) *	2,02	2,45	2,74	3,46	4,18	4,90	5,62	6,34	7,06	7,78	8,50	9,94	11,38	12,82	14,26
Volume Side 2 (l) *	2,16	2,59	2,88	3,60	4,32	5,04	5,76	6,48	7,20	7,92	8,64	10,08	11,52	12,96	14,40
Max working pressure (bar)	25														
Min / Max temperature (°C)	-10 / +180														
PED Class Group 1 (Category) **	II					III									
PED Class Group 2 (Category) **	I					II									
Plate packet depth L(mm) *	55,20	63,84	69,60	84,00	98,40	112,80	127,20	141,60	156,00	170,40	184,80	213,60	242,40	271,20	300,00
Net Weight Empty (kg)	18,00	19,80	21,00	24,00	27,00	30,00	33,00	36,00	39,00	42,00	45,00	51,00	57,00	63,00	69,00
Heat Transfer Area (m²)	3,28	3,98	4,45	5,62	6,79	7,96	9,13	10,30	11,47	12,64	13,81	16,15	18,49	20,83	23,17

Where appropriate the following European standards and regulations were used during design and construction:	
PED 2014/68/EU (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)
©2025 Errors, Omissions and Technical Alterations excepted	Sizes in mm unless otherwise shown
Connections : 1.4301 (304) / Plates : 1.4404 (316L)	
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* 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)
 *** intermediate sizes on request

Status	Change	Date	Name	Date	Name
				25.03.2025	HET

UniBraz PBF45H