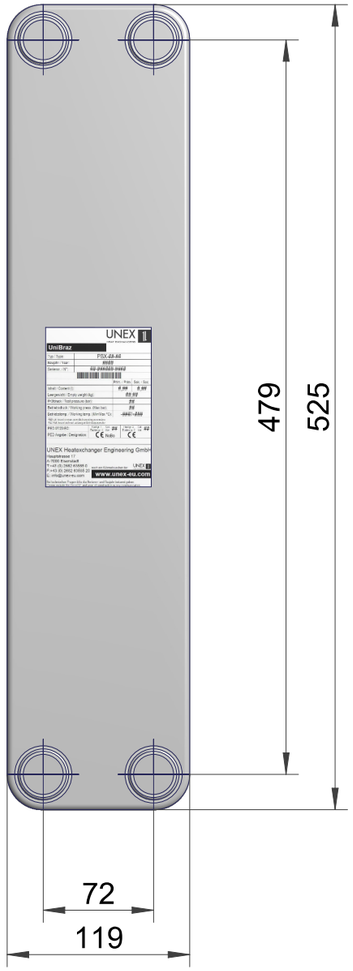

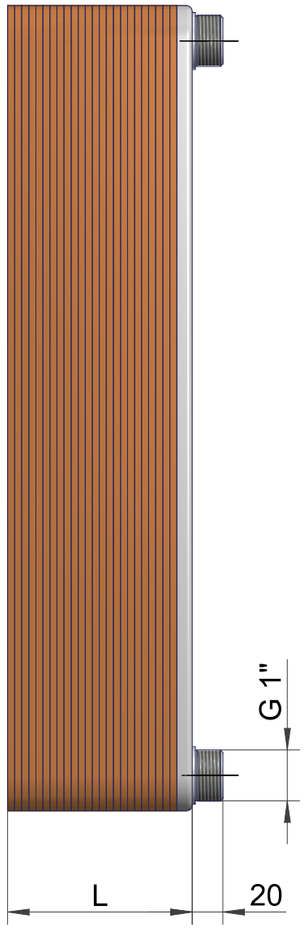

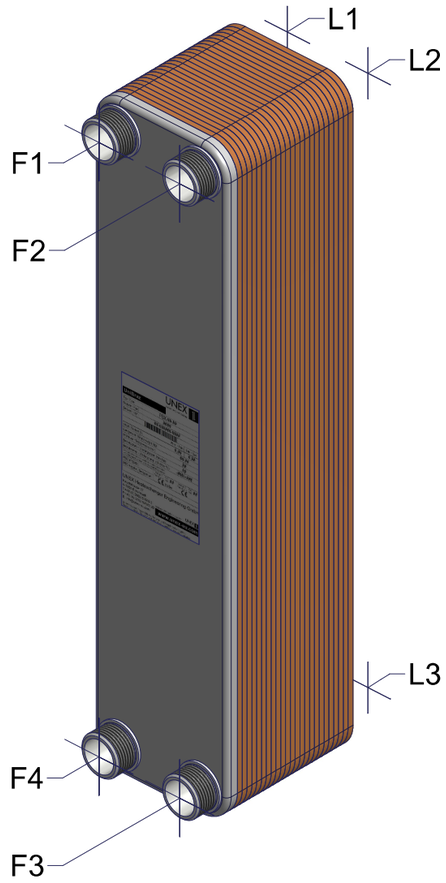

Amount of plates	Type	10	16	20	26	30	36	40	50	60	70	80	90	100	110	120
Volume Primary side (l)*	L	0.41	0.71	0.92	1.22	1.43	1.73	1.94	2.45	2.96	3.47	3.98	4.49	5.00	5.51	6.02
	M	0.28	0.49	0.63	0.84	0.98	1.19	1.33	1.68	2.03	2.38	2.73	3.08	3.43	3.78	4.13
	H	0.23	0.40	0.51	0.68	0.80	0.97	1.08	1.37	1.65	1.94	2.22	2.51	2.79	3.08	3.36
Volume Secondary side (l)*	L	0.51	0.82	1.02	1.33	1.53	1.84	2.04	2.55	3.06	3.57	4.08	4.59	5.10	5.61	6.12
	M	0.35	0.56	0.70	0.91	1.05	1.26	1.40	1.75	2.10	2.45	2.80	3.15	3.50	3.85	4.20
	H	0.29	0.46	0.57	0.74	0.86	1.03	1.14	1.43	1.71	2.00	2.28	2.57	2.85	3.14	3.42
Max working pressure (bar)		25														
Min / Max temperature (°C)		-10/+180														
PED Class Group 1 (Category)		SEP		SEP(I L Plate)		Cat.I (SEP H Plate)	Cat.I	Cat.I (II L Plate)		Cat.II (I H Plate)		Cat. II				
PED Class Group 2 (Category)		SEP						Cat. I (L) SEP (M & H)		Cat. I (L & M) SEP (H)		Cat. I				
Plate packet depth L(mm)*	L	32	45	54	67	76	90	98	121	143	165	187	209	231	253	275
	M	27	37	44	54	60	70	77	94	111	128	144	161	178	195	212
	H	25	33	39	48	54	63	68	83	98	112	127	141	156	171	185
Net Weight Empty (kg)		3.8	4.8	5.4	6.4	7.0	8.0	8.6	10.2	11.8	13.4	15.0	16.6	18.2	19.8	21.4
Heat Transfer Area (m²)		0.45	0.78	1.01	1.34	1.57	1.90	2.13	2.69	3.25	3.81	4.37	4.93	5.49	6.05	6.61

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

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)

©2023 Errors, Omissions and Technical Alterations excepted

Sizes in mm unless otherwise shown

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

UNEX HEAT EXCHANGERS
UNEX Heatexchanger Engineering GmbH
Lobäckerstraße 60d
A-7000
Eisenstadt
Austria
www.unex.at
info@unex.at
Tel: + 43 (0) 2682 635 85 0
Fax: + 43 (0) 2682 635 85 20

Status	Change	Date	Name			
				Drawn by	02.11.2015	AWU
				Checked by	03.11.2015	DRO
				Updated by	26.01.2023	EKL

PBF20_STD_23_Rev00