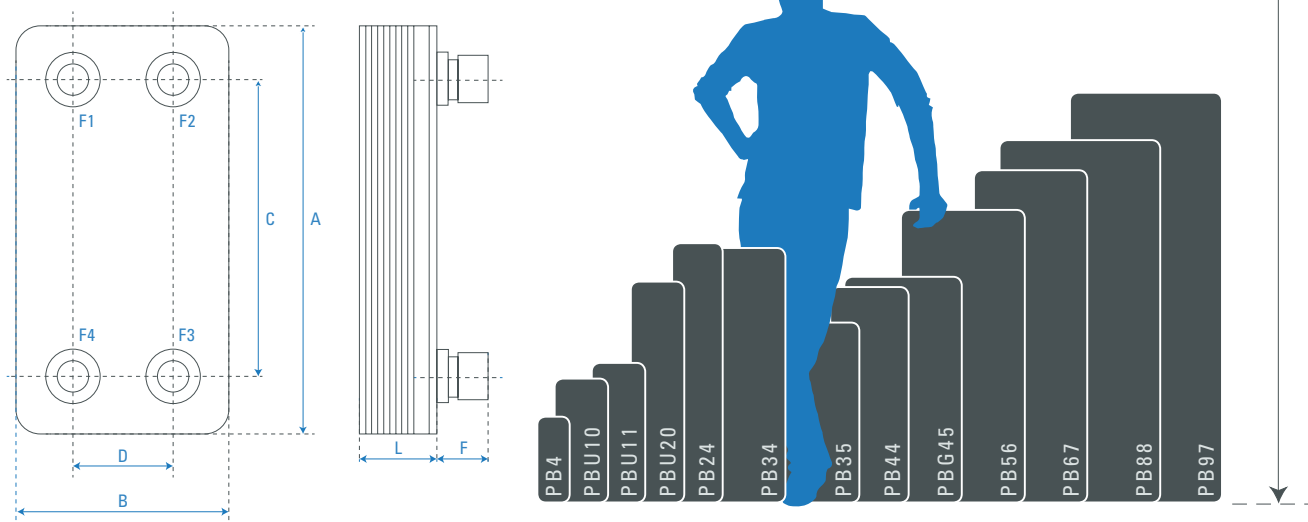


## STANDARD PRODUCT RANGE:



## UNIBRAZ PRODUCT RANGE

*, ***	Type	PB4	PBU10	PBU11	PBU20	PB24	PB34	PB35	PB44	PBG45	PB56	PB67	PB88	PB97	
CHANNEL VOLUME	primary (I) (F1→F4)	0.025	0.064	0.073	0.11	0.12	0.16	0.21	0.221	0.31	0.219	0.399	0.6	0.55	
	secondary (I) (F3→F2)	0.025	0.064	0.073	0.11	0.12	0.16	0.21	0.221	0.31	0.219	0.399	0.6	0.7	
	empty weight (kg)	0.7 + n * 0.05	1.51 + n * 0.112	1.54 + n * 0.112	2.54 + n * 0.112	3 + n * 0.25	4.7 + n * 0.29	8 + n * 0.38	10 + n * 0.54	13.2 + n * 0.5	13.6 + n * 0.43	11.5 + n * 0.8	39.5 + n * 1.25	40 + n * 1.5	
OPERATING LIMITS	Pmax(bar)	30	30	30	30	25	25	25	30	30	25	30	30	25/16**	
	Temp. (°C)	-0/+200	-195/+195	-195/+195	-195/+195	-10/+180	-10/+180	-10/+180	-196/+200	-196/+200	-10/+180	-196/+200	-196/+200	-10/+180	
DIMENSIONS	Height (mm) ****	A	204	296	334	532	625	613	466	532	543	706	802	875	990
	Width (mm)	B	74	125	125	125	118	186	256	271	281	296	271	386	365
	Con Height (mm)	C	170	243	281	479	571	519	380	421	460	583	690	723	861/816**
	Con Width (mm)	D	40	72	72	72	65	92	170	161	198	180	161	237	214
	Plate Pack (mm)	L	8 + n * 2.23	9 + n * 2.3	9 + n * 2.3	9 + n * 2.3	7 + n * 2.3	11 + n * 1.75	10.5 + n * 2.5	11.5 + n * 2.34	11.5 + n * 2.65	13 + n * 1.4	11.3 + n * 2.31	23 + n * 2.31	10 + n * 2.7
	Standard Con Length (mm)	F	20	28	28	28	50	52	50	65	37	80	65	90	90
	Standard Connection Type		G 3/4"	G 1"	G 1"	G 1"	G 1"	G 2"	G 2"	G 2 1/2"	G 2"	DN65 (Comp)	G 2 1/2"	DN100	DN65/100**
	Max N° Plates		50	150	150	150	120	200	140	260	160	200	260	360	200
* Volumes, weights and dimensions of finished product may vary slightly				*** Other sizes also available with Cu or Cu-Free brazing - please consult your sales partner											
** Primary side / Secondary side				**** Excluding stands and lifting rings where fitted - download technical drawings for further details											

Standard products are normally held on stock or can be built within a short time. A wide range of other sizes is also available.

## OPTIONS & TAILOR-MADE:

For the vast majority of uses, standard heat exchangers are perfect for quick and simple installation and duties. The wide array of UniBraz accessories available allow even more flexibility for standard exchangers without the need for modification.

For OEM customers and applications where special demands are present, necessary adaptations can be designed and integrated into the exchanger during production. Typical variations include different types of connectors (eg. Hydraulic, direct brazing, flange, quick connex, special district heating connections and even

without any connections for direct connection to sealed components), sensor housing direct into the porthole for the exact measurement of operational parameters, the addition of mounting studs with internal or external threads, or other brackets and pins as required or construction of compact units in a multi-pass form, bringing the benefits of long thermal lengths into confined spaces. UNEX engineers are happy to discuss your exact needs with you to find the right solution, your solution.