

# T PLATE B

Scambiatori di calore a piastre saldobrasati



## T-PLATE B

Le performance e l'affidabilità dello scambiatore di raffreddamento sono strategiche per il corretto funzionamento dei vostri macchinari, questa è la garanzia che danno gli scambiatori a piastre saldobrasate TEMPSCO, espressamente progettati per le massime performance di scambio termico:

- Esenti da manutenzione in quanto senza guarnizioni
- Semplicità di installazione con ampia gamma di connessioni disponibili, SAE, filettate femmina, filettate maschio
- Possibilità di montaggio con prigionieri o piedi di supporto
- Resistenza ad alte pressione e temperatura
- 200+300 °C, f.v. +50 bar
- Design compatto e leggerezza
- Certificazioni, CE-PED, ASME U UM stamp, CSA, GOST R, KIWA, Lloyd's Register, UDT, SVGW, CSI

*It is vital that the performance and reliability of a hydraulic oil cooler contribute to maximising the operating time of your equipment. Brazed plate heat exchanger TEMPSCO are specifically designed for maximum heat transfer performance:*

- *Practically maintenance-free, due to lack of gaskets*
- *Simple assembly with individual connector design, SAE, Male/Female thread*
- *Highest operational reliability thanks to comprehensive quality assurance testing*
- *High resistance to pressure and temperature*
- *200+300, f.v. +50 bar*
- *Compact design combined with low weight*
- *Certifications, CE-PED, ASME U UM stamp, CSA, GOST R, KIWA, Lloyd's Register, UDT, SVGW, CSI*

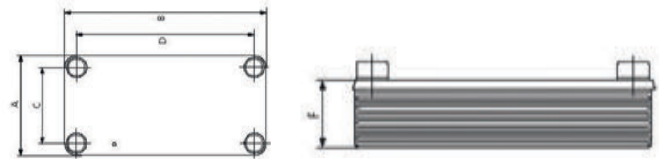


BPHE Dimensions

Tempco Model	B (mm)	D (mm)	A (mm)	C (mm)	Weight (kg)	H1 Thickness (mm)	Heat Transfer Area (m <sup>2</sup> /plate)	Total Heat Transfer Area (m <sup>2</sup> )	Volume (liter/channel)	Total Volume (liter)
100	205	172	73	42	0.81+0.04x(N-1)	8+2.27x(N-1)	0.0120	(N-2)x0.0120	0.025	(N-1)x0.025
300	194	154	80	40	0.8+0.05N	10+2.25N	0.0117	(N-2)x0.0117	0.025	(N-1)x0.025
500	311	278	73	40	0.84+0.07N	10+2.3N	0.01946	(N-2)x0.01946	0.040	(N-1)x0.040
800	306	250	106	50	1.5+0.135N	10+2.4N	0.0255	(N-2)x0.0255	0.055	(N-1)x0.055
900	304	250	124	70	1.6+0.15N	10+2.4N	0.0300	(N-2)x0.0300	0.065	(N-1)x0.065
1500	522	466	106	50	3.1+0.22N	10+2.4N	0.0475	(N-2)x0.0475	0.095	(N-1)x0.095
1700	504	444	124	64	3.5+0.24N	10+2.4N	0.0533	(N-2)x0.0533	0.107	(N-1)x0.107
2100	613	519	186	92	7.12+0.41N	14+2.4N	0.09446	(N-2)x0.09446	0.206	(N-1)x0.206
2500	528	456	246	174	7.2+0.52N	11.5+2.4N	0.1099	(N-2)x0.10993	0.232	(N-1)x0.232
*2700	527	430	245	148	8.5+0.49N	11.5+2.85N	0.1036	(N-2)x0.1036	0.289	(N-1)x0.289
2600	529	449	247	167	7.2+0.52N	13+2.4N	0.1103	(N-2)x0.1103	0.220	(N-1)x0.220

M, N = number of plates

Brazing material	*Cu2700	Cu	Cu+	Nickel	Nickel+
Max. Test pressure (bar)	16	43	65	15	43
Max. Operation pressure (bar)	22	30	45	10	30
Operation Temp	- 195 ~ 150°C				



Material of plates	100	300	500	800	900	1500	1700	2500	2700	2600
SUS316 (Standard)	•	•	•	•	•	•	•	•	•	•
SUS304 (Optional)	•	•	•	•	•	•	•	•	•	•
SMO 254 (Optional)				•		•		•		

Standard Connections

Tempco Model	Male/Female Thread Connections								Solder Connections								Height (mm)				
	PT/NPT/GB								Ø6.6 mm	Ø9.73 mm	Ø12.9 mm	Ø16.15 mm	Ø19.25 mm	Ø22.36 mm	Ø25.6 mm	Ø28.8 mm		Ø35.25 mm	Ø41.5 mm	Ø54.3 mm	
	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"	1 1/8"		1 3/8"	1 5/8"	2 1/8"	
TCB 100	⊙								△	△	△	△	△								20
TCB 300	⊙	⊙							△	△	△	△	△	△							20
TCB 500-501-502	⊙	⊙							△	△	△	△	△								20
TCB 800 - 801	⊙	⊙	⊙						△	△	△	△	△	△	△	△					27
TCB 1300	⊙	⊙							△	△	△	△	△								27
TCB 900	⊙	⊙	⊙	●	●				△	△	△	△	△	△	△	△	△				27
TCB 1500-1506-1507	⊙	⊙	⊙						△	△	△	△	△	△	△	△	△				27
TCB 1700	⊙	⊙	⊙	⊙	●				△	△	△	△	△	△	△	△	△				27
TCB 2100-2101-2102	○		⊙	⊙	⊙	●	●			△	△	△	△			△	△	△	△		27/54
TCB 2500	○		⊙	⊙	⊙	●				△	△	△	△			△	△	△	△		27/54
TCB 2700	○			⊙	⊙	⊙	●						△			△	△	△			27/54
TCB 2600	○		○	⊙	⊙	⊙				△	△	△	△			△	△	△	△		27/54
TCB 3100-3101-3115-3116	○			⊙	⊙	⊙	●			△	△	△	△			△	△	△	△		27/54

Available : ⊙ Male/Female Thread ○ Female Thread ● Male Thread △ Solder

Tempco Model	Flange/Thread Connections						Solder Connections					Height (mm)
	⊙ Male/Female Thread			○ Female Thread			△ Solder					
	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	2 1/8"	2 3/8"	3 1/8"	3 3/8"	4"	
TCB 4100-4101	○	⊙	⊙	⊙	⊙	⊙	△	△	△	△	△	54/81

※The availability of the connectors are subject to the actual model type and working conditions.

Various connection designs fulfill different specifications.

Connection types include: soldered type for copper tube, female/male thread, hydraulic design, nickel brazed design, temperature control, opposite side...etc.

\*Tempco can customize connections according to specific demands. Please contact Tempco for more information.