

Plate Heat Exchanger

TCB2100

Brazed plate heat exchanger



Brazed plate heat exchanger for the widest range of applications:

- process cooling / heating
- steam
- oil cooler
- chiller
- heat pump
- HVAC

BPHE Dimensions

Tempco Model	B (mm)	D (mm)	A (mm)	C (mm)	Weight (kg)	F Thickness (mm)	Heat Transfer Area (m ² /plate)	Total Heat Transfer Area (m ²)	Volume (liter/channel)	Total Volume (liter)
2100	613	519	186	92	7.12+0.41N	14+2.4N	0,09446	(N-2)x0.09446	0,206	(N-1)x0.206

N = number of plates

Standard connections

		Threaded Connections														Solder Connections													
Tempco Model	PT/NPT/GB Male														PT/NPT/GB Female														
															Ø 6.6 mm	Ø 9.73 mm	Ø 12.9 mm	Ø 16.15 mm	Ø 19.25 mm	Ø 22.36 mm	Ø 25.6 mm	Ø 28.8 mm	Ø 35.25 mm	Ø 41.5 mm	Ø 54.3 mm	Height			
	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	1/4"	3/8"	1/2"	5/8"	6/8"	7/8"	1"	1 1/8"	1 3/8"	1 5/8"	2 1/8"	(mm)		
2100			•	•	•	•	•		•		•	•	•				•	•	•	•	•	•	•	•	•	•	27/42/54		

• Flange, SAE Connections are available

Specification

Brazing material	Cu	Cu+	Nickel	Nickel+
Max. Test pressure (bar)	43	65	15	43
Max. Operation pressure (bar)	30	45	10	30
Operation Temp	- 195 ~ 200°C			

Material of plates	2100
SUS316 (Standard)	•
SUS304 (Optional)	•
SMO254 (Optional)	•

