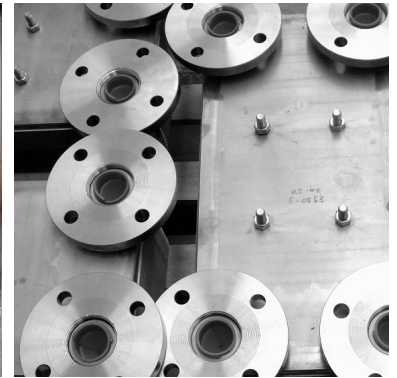
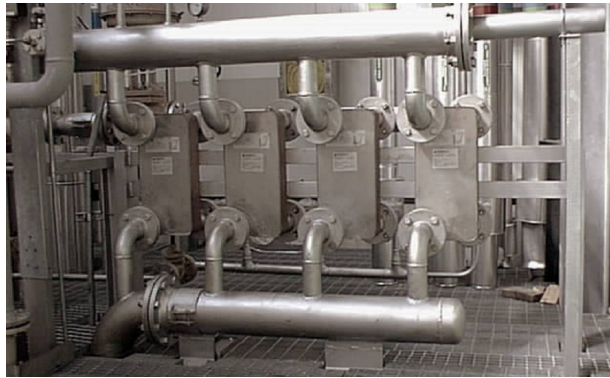


Fully welded plate heat exchangers

# T PLATE B ST

Process industries heat exchangers



## Tempco T PLATE B ST Inox / Inox

T PLATE B ST Heat exchangers are ideal for many different applications on industrial processes. The gasket-free solution makes it possible to use these innovative heat exchangers in many processes applications. You can use it on organic solvent/solvent interchanger, where the medium chemical features are too aggressive for gasket components. It can be also used as heater or cooler when temperature is too high or too low for gaskets, as gas/gas heat exchanger or more as gas heater, gas cooler, reboiler or condenser. No copper filler gives you guarantee on chemical resistance when you have amine contamination or similar fluids.

### Applications fields

- steam application
- water preheating
- thermal oil cooler/heater
- biodiesel cooler/heater
- vent condenser on reactor or chemical machinery
- hydraulic/lube oil cooler/heater
- solvent heat recovery
- cryogenic nitrogen cooler

### Technical features

- pressure design: full vacuum up to 30 barg (check models)
- temperature design: -195°C up to 200°C
- nozzles diameter: 1/2" up to 2 1/2"

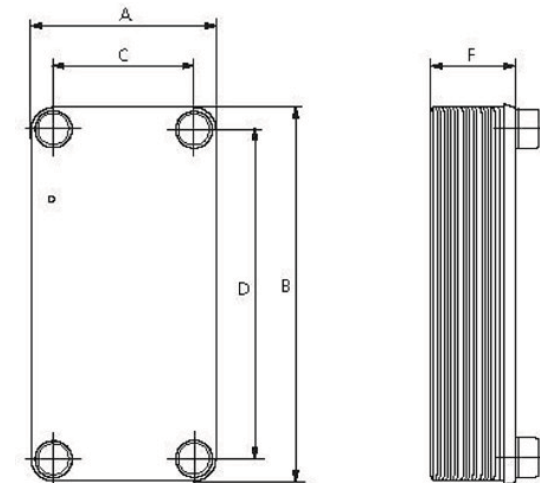




## BPHE Dimensions

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

Material of plates	100	300	500	800	900	1500	1700	2500	2700	2600
SUS316 (Standard)	•	•	•	•	•	•	•	•	•	•
SUS304 (Optional)	•	•	•							
SMO254 (Optional)				•		•				