



TECHNICAL SHEET
T PLATE B H

*H series-high temperature brazed
plate heat exchanger*



All the machines are EEC directive compliant

H series is made of high temperature resistant material, the max. working temperature is up to 900°C, which is perfectly suitable to serve as gas heating or cooling heat exchanger in the clean energy technology- Fuel Cell system.



BRAZING MATERIAL	NICKEL				
Model	TCBH300-800-900-1500-2500			TCBH301-801-901-1501-2501	
	(A1,A2/B1,B2)				
Max. Working Pressure (bar)	10/10	7/7	3/3	2/2	10/10
Min. Test Pressure (bar)	15/15	15/15	15/15	15/15	15/15
Max. Working Temperature (°C)	0~650	~700	~800	~900	~550

Application fields



MODEL	L1 (mm)	L2 (mm)	W1 (mm)	W2 (mm)	H THICKNESS (mm)	WEIGHT* *(kg) (Without Connection)	HEAT TRANSFER AREA/ PLATE (m ²)	TOTAL HEAT TRANSFER AREA (m ²)	VOLUME/ CHANNEL (liter)	TOTAL VOLUME (liter)
H300-301	194	154	80	40	10.0+2.60*N	0.68+0.050*N	0.0117	(N-2)*0.0117	0.028	(N-1)*0.028
H800-801	306	250	106	50	10.0+2.40*N	1.64+0.137*N	0.0255	(N-2)*0.0255	0.055	(N-1)*0.055
H900-901	304	250	124	70	10.0+2.30*N	1.66+0.134*N	0.0300	(N-2)*0.0300	0.065	(N-1)*0.065
H1500-1501	522	466	106	50	10.0+2.40*N	3.32+0.240*N	0.0475	(N-2)*0.0475	0.095	(N-1)*0.095
H2500-2501	528	456	246	174	11.5+2.40*N	8.00+0.514*N	0.1099	(N-2)*0.1099	0.232	(N-1)*0.232

N: number of plates

