



TECHNICAL SHEET  
T PLATE B Z

*Z series-large diagonal flow brazed  
plate heat exchanger*



## All the machines are EEC directive compliant

The newly innovative Z series is designed with a diagonal flow pattern, providing higher efficiency to replace other traditional shell and tube, double tube or multi-tube heat exchangers in various applications. The advantage of Z series dual circuit is providing the best performance in both full load and part load conditions. Z series single circuit is specially designed for large volume and high heat transfer efficiency requirement.

BRAZING MATERIAL	COPPER		COPPER (EXTRA STRENGTH)	
MODEL	TCBZ3100-TCBZ4100	TCBZ3150	TCBZ3010	TCBZ3160
	(A2,B1/A1,B2)	(A2,C1/A1,C2/B1,B2)	(A2,B1/A1,B2)	(A2,C1/A1,C2/B1,B2)
Max. Working Pressure (bar)	30/30	30/30/30	45/30	45/45/30
Min. Test Pressure (bar)	43/43	43/43/43	65/43	65/65/43
Max. Working Temperature (°C)	200			

MODEL	L1	L2	W1	W2	H THICKNESS	WEIGHT	HEAT TRANSFER AREA	TOTAL HEAT TRANSFER AREA	VOLUME/ CHANNEL	TOTAL VOLUME
	mm	mm	mm	mm	mm	Kg	m <sup>2</sup>	m <sup>2</sup>	liter	liter
TCBZ3100	751	650	321	220	14.0+2.38*N	33.64+0.89*N	0.2074	(N-2)*0.2074	0.423	(N-1)*0.423
TCBZ3150	751	656	321	226	14.0+2.40*N	33.82+0.87*N	0.2074	(N-2)*0.2074	0.414	(N-2)*0.414
TCBZ4100	945	810	375	240	14.0+2.38*N	45.94+1.23*N	0.3	(N-2)*0.3	0.62	(N-1)*0.62
TCBZ3010	751	650	321	220	14.0+2.38*N	39.02+1.03*N	0.2074	(N-2)*0.2074	0.423	(N-1)*0.423
TCBZ3160	751	656	321	226	14.0+2.40*N	39.60+1.01*N	0.2074	(N-2)*0.2074	0.414	(N-2)*0.414

N: number of plates

## Application fields



Z series is designed with 3 different types of plates which satisfy various working conditions.

## High Heat Transfer Performance



## Standard



## Low Pressure Drop



## Contact us

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