



TECHNICAL SHEET T PLATE B Z

Z series-large diagonal flow brazed plate heat exchanger













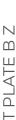
All the machines are EEC directive compliant

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 multitube 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	СОР	PER	COPPER (EXTRA STRENGTH)			
MODEL	TCBZ3100-TCBZ4100	TCBZ3150	TCBZ3010	TCBZ3160		
MODEL	(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	u	L2	wı	W2	H THICKNESS	WEIGHT	HEAT TRANSFER AREA	TOTAL HEAT TRANSFER AREA	VOLUME/ CHANNEL	TOTAL VOLUME
	mm	mm	mm	mm	mm	Kg	m²	m²	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

