Brazed Plate Heat Exchanger

Technical Specification

Model	: CBH16-25A (32870 8707 7)		
Project	: Ponudbe 2013	Units	: 1
ItemName	:	Date	: 24.07.13

		Hot Side S4S3	**Cold side S2S1**
Fluid		Water	Water
Density	kg/m3	968.5	977.1
Specific heat capacity	kJ/(kg*K)	4.19	4.18
Thermal conductivity	W/(m*K)	0.673	0.662
Viscosity inlet	cP	0.214	0.432
Viscosity outlet	cP	0.403	0.333
Volume flow rate	m3/h	0.8	2.4
Inlet temperature	°C	130.0	65.0
Outlet temperature	°C	70.0	85.0
Pressure drop	kPa	4.85	19.3
Heat Exchanged	kW	55.00	
L.M.T.D.	K	18.2	
O.H.T.C clean conditions	W/(m2*K)	7400	
O.H.T.C service	W/(m2*K)	9309	
Relative directions of fluids		Countercurrent	
Number of passes		1	1
Materialplate/ brazing		Alloy 316 / Cu	
ConnectionS1 (Cold-Out) Alloy 316		Threaded (External)/ 3/4" ISO 228/1-G (Z31)	
ConnectionS2 (Cold-In) Alloy 316		Threaded (External)/ 3/4" ISO 228/1-G (Z31)	
ConnectionS3 (Hot-Out) Alloy 316		Threaded (External)/ 3/4" ISO 228/1-G (Z31)	
ConnectionS4 (Hot-In) Alloy 316		Threaded (External)/ 3/4" ISO 228/1-G (Z31)	
Pressure vessel code		PED	
Design pressure at -50.0 Celsius	Bar	32.0	32.0
Design pressure at 150.0 Celsius	Bar	32.0	32.0
Design temperature	°C	-50.0/150.0	
Overall length x width x height	mm	80 x 74 x 210	
Net weight, empty / operating	kg	1.56 / 2.19	
Package length x width x height	mm	190 x 93 x 233	
Package weight	kg	0.1200	

Performance is conditioned on the accuracy of customer's data and customer's ability to supply equipment