Brazed Plate Heat Exchanger

Technical Specification

Model : CB112-72L (32871 0858 3)
Project : Ponudbe 2013 Units : 1
ItemName : Date : 13.08.13

		Hot Side S4S3	Cold side S2S1
Fluid		Water	Water
Density	kg/m3	976.6	981.0
Specific heat capacity	kJ/(kg*K)	4.18	4.17
Thermal conductivity	W/(m*K)	0.663	0.655
Viscosity inlet	cP	0.314	0.503
Viscosity outlet	cP	0.465	0.377
Volume flow rate	m3/h	11.3	16.6
Inlet temperature	°C	90.0	55.0
Outlet temperature	°C	60.0	75.0
Pressure drop	kPa	8.56	17.8
Heat Exchanged	kW	380.0	
L.M.T.D.	K	9.1	
O.H.T.C clean conditions	W/(m2*K)	5358	
O.H.T.C service	W/(m2*K)	5306	
Relative directions of fluids		Countercurrent	
Number of passes		1	1
Materialplate/ brazing		Alloy 316 / Cu	
ConnectionS1 (Cold-Out)		Threaded (External)/ 2" ISO 228/1-G (B23) Alloy 316	
ConnectionS2 (Cold-In)		Threaded (External)/ 2" ISO 228/1-G (B23) Alloy 316	
ConnectionS3 (Hot-Out)		Threaded (External)/ 2" ISO 228/1-G (B23) Alloy 316	
ConnectionS4 (Hot-In)		Threaded (External)/ 2" ISO 228/1-G (B23) Alloy 316	
Pressure vessel code		PED	
Design pressure at 90.0 Celsius	Bar	37.0	37.0
Design pressure at 225.0 Celsius	Bar	30.0	30.0
Design temperature	°C	-196.0/225.0	
Overall length x width x height	mm	211 x 191 x 616	
Net weight, empty / operating	kg	34.2 / 46.7	
Package length x width x height	mm	365 x 210 x 700	
Package weight	kg	2.695	

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