Brazed Plate Heat Exchanger

Technical Specification

Model : CB60-60L (32871 0149 0)
Project : Ponudbe 2013 Units : 1
ItemName : Date : 09.08.13

		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	5.5	8.1
Inlet temperature	°C	90.0	55.0
Outlet temperature	°C	60.0	75.0
Pressure drop	kPa	11.2	16.3
Heat Exchanged	kW	185.0	
L.M.T.D.	K	9.1	
O.H.T.C clean conditions	W/(m2*K)	5631	
O.H.T.C service	W/(m2*K)	6049	
Relative directions of fluids		Countercurrent	
Number of passes		1	1
Materialplate/ brazing		Alloy 316 / Cu	
ConnectionS1 (Cold-Out)		Threaded (External)/ 1 1/4" ISO 228/1-G (V24) Alloy 316	
ConnectionS2 (Cold-In)		Threaded (External)/ 1 1/4" ISO 228/1-G (V24) Alloy 316	
ConnectionS3 (Hot-Out)		Threaded (External)/ 1" ISO 228/1-G (V22) Alloy 316	
ConnectionS4 (Hot-In)		Threaded (External)/ 1" ISO 228/1-G (V22) Alloy 316	
Pressure vessel code		PED	
Design pressure at 90.0 Celsius	Bar	40.0	40.0
Design pressure at 225.0 Celsius	Bar	32.0	32.0
Design temperature	°C	-196.0/225.0	
Overall length x width x height	mm	197 x 113 x 527	
Net weight, empty / operating	kg	13.8 / 19.8	
Package length x width x height	mm	280 x 125 x 579	
Package weight	kg	0.5500	

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