Brazed Plate Heat Exchanger

Technical Specification

Model : CB60-100H (32870 7964 8)
Project : Ponudbe 2013 Units : 1
ItemName : Date : 06.09.13

		Hot Side S4S3	Cold side S2S1
Fluid		Water	Water
Density	kg/m3	988.0	992.3
Specific heat capacity	kJ/(kg*K)	4.17	4.18
Thermal conductivity	W/(m*K)	0.639	0.625
Viscosity inlet	cP	0.403	1.31
Viscosity outlet	cP	0.960	0.465
Volume flow rate	m3/h	3.9	3.6
Inlet temperature	°C	70.0	10.0
Outlet temperature	°C	22.0	60.0
Pressure drop	kPa	6.33	4.21
Heat Exchanged	kW	210.0	
L.M.T.D.	K	11.0	
O.H.T.C clean conditions	W/(m2*K)	3196	
O.H.T.C service	W/(m2*K)	3364	
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	290 x 113 x 527	
Net weight, empty / operating	kg	21.1 / 31.2	
Package length x width x height	mm	470 x 125 x 579	
Package weight	kg	0.8000	

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