



Brazed Plate Heat Exchanger

Technical Specification

Model : CB30-24H (32870 8338 6)
Project : Elektrības iela 8, Jelgava
ItemName : ventilācija
Units : 1
Date : 28.12.2017.

		Hot Side S4S3	Cold side S2S1
Fluid		Water	35.0% Eth.glycol
Density	kg/m ³	969.4	1030
Specific heat capacity	kJ/(kg*K)	4.19	3.76
Thermal conductivity	W/(m*K)	0.672	0.472
Viscosity inlet	cP	0.268	0.971
Viscosity outlet	cP	0.403	0.688
Volume flow rate	m ³ /h	1.8	3.2
Inlet temperature	°C	105.0	60.0
Outlet temperature	°C	70.0	80.0
Pressure drop	kPa	5.83	18.2
Heat exchanged	kW	70.00	
L.M.T.D.	K	16.4	
OHTC clean conditions	W/(m ² *K)	7907	
OHTC service	W/(m ² *K)	6718	
Heat transfer area	m ²	0.64	
Fouling resistance*10000	m ² *K/W	0.000	
Duty margin	%	18.0	
Relative directions of fluids		Countercurrent	
Number of passes		1	1
Materialplate/ brazing		Alloy 316 / Cu	
ConnectionS1 (Cold-out)		Threaded (External)/ 1" ISO 228/1-G (V22) Alloy	
316			
ConnectionS2 (Cold-in)		Threaded (External)/ 1" ISO 228/1-G (V22) 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 90.000000 Celsius	Bar	40.0	40.0
Design pressure at 225.000000 Celsius	Bar	32.0	32.0
Design temperature	°C	-196.0/225.0	
Overall length x width x height	mm	113 x 113 x 313	
Net weight, empty / operating	kg	4.95 / 5.11	
Package length x width x height	mm	280 x 147 x 391	
Package weight	kg	0.4800	

Performance is conditioned on the accuracy of customer's data and customer's ability to supply equipment and products in conformity therewith.