

Technical specification



Alfa Laval copper brazed plate heat exchanger

Typ : CB30-50H
 Pos. :
 Date : 16.01.2024

The brazing material seals and holds the plates together at the contact points ensuring optimal heat transfer efficiency and pressure resistance. Using advanced design technologies and extensive verification guarantees the highest performance and longest possible service life. Different pressure ratings are available for different needs. Based on standard components and a modular concept, including symmetric and asymmetric channels, each unit is custom-built to meet the specific requirements of each individual installation.



	<u>Hot Side</u>	<u>Cold side</u>
Fluid	40.0% Eth.glycol	Water
Mass flow rate	kg/s 1.370	0.5988
Inlet temperature	°C 60.0	35.0
Outlet temperature	°C 50.0	55.0
Pressure drop	kPa 12.8	3.31
L.M.T.D.	K 9.1	
Heat exchanged	kW 50.00	
Duty margin	% 7.00	
Heat transfer area	m ² 1.39	
Number of plates	50	
Material plate / brazing	Alloy 316 / Cu	
Connection S1 (Hot-in)	Threaded (External)/ 1 1/4" ISO 228/1-G (V24) Alloy 316	
Connection S2 (Hot-out)	Threaded (External)/ 1 1/4" ISO 228/1-G (V24) Alloy 316	
Connection S3 (Cold-in)	Threaded (External)/ 1" ISO 228/1-G (V22) Alloy 316	
Connection S4 (Cold-out)	Threaded (External)/ 1" ISO 228/1-G (V22) Alloy 316	
Design pressure at 90°C	Bar 40.0	40.0
Design pressure at 225°C	Bar 32.0	32.0
Design temperature	°C -196.0/225.0	
Pressure vessel code	PED	
Length x width x height (l x w x h)	mm 174 x 113 x 313	
Net weight, empty / operating	kg 7.97 / 10.7	

Contact us:

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