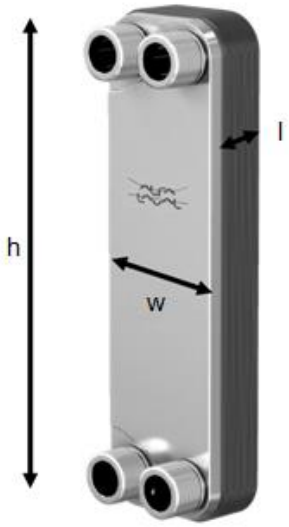
Technical specification

Alfa Laval copper brazed plate heat exchanger

Typ : CB110-64M-F
Pos. :
Date : 22.03.2024



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.

		Hot Side	Cold side
Fluid		Water	Water
Mass flow rate	kg/s	3.590	3.593
Inlet temperature	°C	80.0	50.0
Outlet temperature	°C	60.0	70.0
Pressure drop	kPa	6.17	8.01
L.M.T.D.	K	10.0	
Heat exchanged	kW	300.0	
Duty margin	%	12.0	
Heat transfer area	m2	6.94	
Number of plates		64	
Material plate / brazing		Alloy 316 / Cu	
Connection S1 (Hot-in)		Threaded (External)/ 2" ISO 228/1-G (B23) Alloy 304	
Connection S2 (Hot-out)		Threaded (External)/ 2" ISO 228/1-G (B23) Alloy 304	
Connection S3 (Cold-in)		Threaded (External)/ 2" ISO 228/1-G (B23) Alloy 304	
Connection S4 (Cold-out)		Threaded (External)/ 2" ISO 228/1-G (B23) Alloy 304	
Connection T1 (Hot-in)		Threaded (External)/ 2" ISO 228/1-G (B23) Alloy 304	
Connection T2 (Hot-out)		Threaded (External)/ 2" ISO 228/1-G (B23) Alloy 304	
Design pressure at 90°C	Bar	30.0	30.0
Design pressure at 225°C	Bar	25.0	25.0
Design temperature	°C	-196.0/225.0	
Pressure vessel code		PED	
Length x width x height (l x w x h)	mm	265 x 191 x 616	
Net weight, empty / operating	kg	29.4 / 42.4	

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