Technical specification

Alfa Laval copper brazed plate heat exchanger

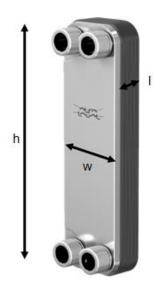


Typ : CB60-40H-F

Pos.

Date : 20.09.2024

The brazing material seals and holds the plates together at the contact points ensuring optimal heat transfer efficiency and pressure resistance. Using advanced 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 custombuilt to meet the specific requirements of each individual installation.



		Hot Side	Cold side
Fluid		Water	Water
Mass flow rate	kg/s	1.397	0.8369
Inlet temperature	°C	80.0	10.0
Outlet temperature	°C	50.0	60.0
Pressure drop	kPa	37.1	15.6
L.M.T.D.	K	28.9	
Heat exchanged	kW	175.0	
Duty margin	%	146	
Heat transfer area	m2	2.20	
Number of plates		40	
Material plate / brazing		Alloy 316 / Cu	
Connection S1 (Hot-in) Connection S2 (Hot-out) Connection S3 (Cold-in) Connection S4 (Cold-out)	Threaded (External)/ 1" Threaded (External)/ 1" Threaded (External)/ 1" Threaded (External)/ 1"	ISO 228/1-G (B21) ISO 228/1-G (B21)) Alloy 304) Alloy 304
Design pressure at 90°C Design pressure at 225°C Design temperature Pressure vessel code	Bar Bar °C	40.0 32.0 -196.0/225.0 PED	40.0 32.0
Length x width x height (I x w x Net weight, empty / operating	ch) mm kg	130 x 113 x 527 9.31 / 13.3	

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