

# Technical specification



## Alfa Laval copper brazed plate heat exchanger

Typ : CB60-100H-F  
 Pos. :  
 Date : 20.10.2023

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.



Fluid		<u>Hot Side</u> Water	<u>Cold side</u> Water
Mass flow rate	kg/s	1.794	1.795
Inlet temperature	°C	85.0	60.0
Outlet temperature	°C	65.0	80.0
Pressure drop	kPa	11.7	17.3
L.M.T.D.	K	5.0	
Heat exchanged	kW	150.0	
Duty margin	%	13.0	
Heat transfer area	m <sup>2</sup>	5.68	
Number of plates		100	
Material plate / brazing		Alloy 316 / Cu	
Connection S1 (Hot-in)		Threaded (External)/ 1 1/4" ISO 228/1-G (V24) Alloy 304	
Connection S2 (Hot-out)		Threaded (External)/ 1 1/4" ISO 228/1-G (V24) Alloy 304	
Connection S3 (Cold-in)		Threaded (External)/ 1" ISO 228/1-G (V22) Alloy 304	
Connection S4 (Cold-out)		Threaded (External)/ 1" ISO 228/1-G (V22) Alloy 304	
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	290 x 113 x 527	
Net weight, empty / operating	kg	20.3 / 30.3	

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