

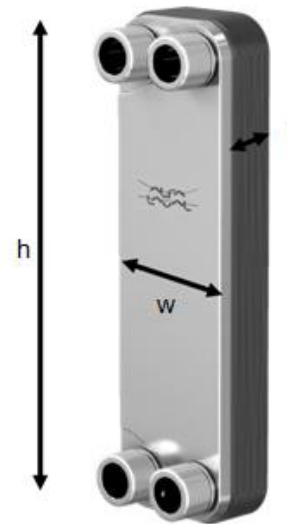
Technical specification



Alfa Laval copper brazed plate heat exchanger

Typ : CB20-30H
 Pos. :
 Date : 23.08.2024

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.



Fluid		<u>Hot Side</u> Water	<u>Cold side</u> Water
Mass flow rate	kg/s	0.2993	0.2994
Inlet temperature	°C	80.0	30.0
Outlet temperature	°C	40.0	70.0
Pressure drop	kPa	13.0	15.0
L.M.T.D.	K	10.0	
Heat exchanged	kW	50.00	
Duty margin	%	-16.0	
Heat transfer area	m ²	0.64	
Number of plates		30	
Material plate / brazing		Alloy 316 / Cu	
Connection S1 (Hot-in)	Threaded (External)/ 1" ISO 228/1-G (B21) Alloy 316		
Connection S2 (Hot-out)	Threaded (External)/ 1" ISO 228/1-G (B21) Alloy 316		
Connection S3 (Cold-in)	Threaded (External)/ 1" ISO 228/1-G (B21) Alloy 316		
Connection S4 (Cold-out)	Threaded (External)/ 1" ISO 228/1-G (B21) Alloy 316		
Design pressure at -1°C	Bar	16.0	16.0
Design pressure at 225°C	Bar	16.0	16.0
Design temperature	°C	-196.0/225.0	
Pressure vessel code		PED	
Length x width x height (l x w x h)	mm	77 x 94 x 324	
Net weight, empty / operating	kg	3.56 / 4.35	

Contact us:

Aptec production s.r.o.

U Sladovny 425, CZ - 67125 Hodonice
 T +420 530 511 302, **Hotline 24h** +420 778 080 012
 E: info@aptec.international | W: aptec.international

