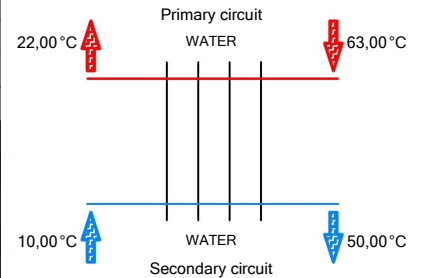


MB-09

Customer	-	Project nbr.	
Attention	-	Date	05.07.2024

Exchanger properties				
Capacity	352,00		kW	
Plate Type	MB-09			
Nbr. of plates	70			
Plate Arrangement	70H			
Heat Transfer Area	6,46		m²	
Margin	1,12		%	
Overall K-value duty / clean	4361 / 4409		W/(m² K)	
LMTD	12,49		°C	
	Primary circuit		Secondary circuit	
Fluid type	WATER		WATER	
Nbr. Of circuits	1		1	
Flow rate	7,5	m³/h	7,6	m³/h
Inlet Temperature	63,00	°C	10,00	°C
Outlet Temperature	22,00	°C	50,00	°C
Pressure drop	7,48	kPa	7,74	kPa
Pressure drops in plates	6,70	kPa	6,93	kPa
Pressure drops in connections	0,79	kPa	0,82	kPa
Channel velocity	0,16	m/s	0,16	m/s
Connection velocity	1,0989	m/s	1,1213	m/s
Fouling factor	0,000000	(m² K)/W	0,000000	(m² K)/W
Thermophysical properties	Primary circuit		Secondary circuit	
Fluid density	991,24	kg/m³	995,65	kg/m³
Fluid specific heat	4180	J/(kg K)	4180	J/(kg K)
Fluid thermal conductivity	0,632	W/(m K)	0,614	W/(m K)
Viscosity	0,6232	cP	0,7972	cP
List of materials				
Plate Material	0,4 mm - AISI 316L			
Brazing material	Copper			
Frame material	AISI 304			

Connections				
Primary side	M1 => M2			
	2" thread			
Secondary side	M3 => M4			
	2" thread			
Weight Dry / Wet	0/68,55	kg		
Inside Volume Primer / Seconder	35 / 34	l		
Design / Test Pressure	30 / 45	bar		
Min / Max Working Temperature	-196 / 196	°C		
Max. Differential Pressure Difference	5	bar		



EKİN ENDÜSTRİYEL ISIT. SOĞ. SAN. TIC. LTD. ŞTİ. - DES Sanayi Sitesi 107. Sokak B14 Blok No:2 Ümraniye İstanbul

+90 (216) 660 13 05 - +90 (216) 660 13 08 - info@ekinendustriyel.com - http://www.ekinendustriyel.com

