

Technical specification

Gasketed Plate Heat Exchanger



Project ref: Calosi Preventivo

Line ref:

Model: M6-MFM

No of units: 1

Date: 09/03/2017

		Hot side	Cold Side
Fluid:		Water	Water
Density:	kg/m ³	982,1	986,5
Specific heat capacity:	kJ/(kg*K)	4,17	4,18
Thermal conductivity:	W/(m*K)	0,652	0,641
Viscosity inlet:	cP	0,4321	0,6540
Viscosity outlet:	cP	0,5031	0,4653
Mass flow rate:	kg/h	10.349	5.175
Inlet temperature:	°C	65,0	40,0
Outlet temperature:	°C	55,0	60,0
Pressure drop:	kPa	16,3	5,1
Connection positions and flow directions:		S1 -> S2	S4 <- S3
Connections in S1, S2, S3, S4:		FLANGE Rubber NBRP / Titanium DIN PN10 DN50	
Number of passes:		1	1
Design pressure:	bar	10,0	10,0
Test pressure:	bar	13,0	13,0
Design temperature (min/max):	°C	0,0/65,0	0,0/60,0
Pressure vessel code:		PED	
PED Category:		0	
Fluid danger group:		No Danger	No Danger
Has risky vapour pressure:		No	No
Heat exchanged:	kW	120,0	
L.M.T.D:	K	9,1	
Relative directions of fluids:		Countercurrent	
Plate material/thickness:		Titanium/0,50 mm	
Gasket material and attachment:		NBRB Clip-on	NBRB Clip-on
Unit dimensions (length x width x height):	mm	550 x 320 x 920	
Net weight, empty / operating:	kg	97,0 / 104	
Weight full of water:	kg	105	
Type of package:		PLYWOOD BOX OCEAN LYING	
Packed length x width x height:	mm	960 x 420 x 680	
Packed weight:	kg	117	

The performance of the equipment is conditioned by the process media and process parameters being consistent with the provided customer data. Data, specifications, and other kind of information of technological nature set out in this document and submitted by Alfa Laval to you (Proprietary Information) are intellectual proprietary rights of Alfa Laval. The Proprietary Information shall remain the exclusive property of Alfa Laval and shall only be used for the purpose of evaluating Alfa Laval's quotation. The Proprietary Information may not, without the written consent of Alfa Laval, be used or copied, reproduced, transmitted or communicated or disclosed in any other way to a third party.