

Technical specification

Gasketed Plate Heat Exchanger



Project ref: Calosi Preventivo

Line ref:

Model: T8-MFG

No of units: 1

Date: 09/05/2017

		Hot side	Cold Side
Fluid:		Water	Water
Density:	kg/m ³	991,7	994,3
Specific heat capacity:	kJ/(kg*K)	4,18	4,18
Thermal conductivity:	W/(m*K)	0,627	0,617
Viscosity inlet:	cP	0,6540	0,8949
Viscosity outlet:	cP	0,7214	0,7214
Volume flow rate:	m ³ /h	15,66	7,78
Inlet temperature:	°C	40,0	25,0
Outlet temperature:	°C	35,0	35,0
Pressure drop (perm/calc):	kPa	10,00/7,1	10,00/2,2
Connection positions and flow directions:		S1 -> S2	S4 <- S3
Connections in S1, S2, S3, S4:		FLANGE Titanium DIN PN16 DN80	
Number of passes:		1	1
Design pressure:	bar	10,0	10,0
Test pressure:	bar	14,3	14,3
Design temperature (min/max):	°C	0,0/100,0	0,0/200,0
Pressure vessel code:			PED
PED Category:			1
Fluid danger group:		No Danger	No Danger
Has risky vapour pressure:		No	Yes
Heat exchanged:	kW	90,0	
L.M.T.D:	K	7,2	
Relative directions of fluids:		Countercurrent	
Plate material/thickness:		Titanium/0,50 mm	
Gasket material and attachment:		NBRB ClipGrip™	NBRB ClipGrip™
Unit dimensions (length x width x height):	mm	765 x 400 x 890	
Net weight, empty / operating:	kg	227 / 241	
Type of package:		PLYWOOD BOX LYING	
Packed length x width x height:	mm	1.024 x 464 x 996	
Packed volume:	m ³	0,473	
Packed weight:	kg	270	

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