

Customer :
Customer contact :
email :
Customer reference :
Model : SE 0160+

Item :
Date : 8/28/2024
Your contact : info@f2komplex.hu
email : info@f2komplex.hu

OPERATING CONDITION		COLD SIDE		HOT SIDE	
Fluids		Water		Water	
Inlet flow rates	m ³ /h	10.26		10.28	m ³ /h
INLET temperatures	°C	45.0		70.0	°C
OUTLET temperatures	°C	65.0		50.0	°C
Pressure drop (calc.)	kPa	24.85		24.87	kPa
Operating pressure	bar G	5.000		5.000	bar G
Capacity	kW		235.00		
Total oversizing	%		13.90		

FLUID PROPERTIES

Density	kg/m ³	985.91	983.41
Specific heat capacity	J/(kg K)	4182	4184
Thermal conductivity	W/(m K)	0.649	0.655
Dynamic viscosity	cP	0.5041	0.4665

PRODUCT CONFIGURATION

Product code	SE#0160+041A00PNPV0JJ11	
Frame material	Carbon steel	
Plates (material / thickness)	AISI 316L (EN 1.4404) / 0.4 mm	
Gaskets (material / type)	NBR / Glue-free Plug-In® design	
Connections size	DN50	DN50
Connections type	Threaded nozzles	Threaded nozzles
Connections material	AISI 316	AISI 316
Fluids position (inlet -> outlet)	F3 -> F4	F1 -> F2
No. of passes	1	1
Relative directions of fluids	Counter Current	
Max. number of plates allowed on frame	41	

DESIGN

Design standard		PED 2014/68/EU	
PED risk category		Art. 4.3 (Gr. 2 - L) / -	
Pressure (design / test)	bar	10 / 15	
Temperature (min / design)	°C	0 / 70	
Volume (each side)	l	8.1	8.1
Specific compliance and certification		-	

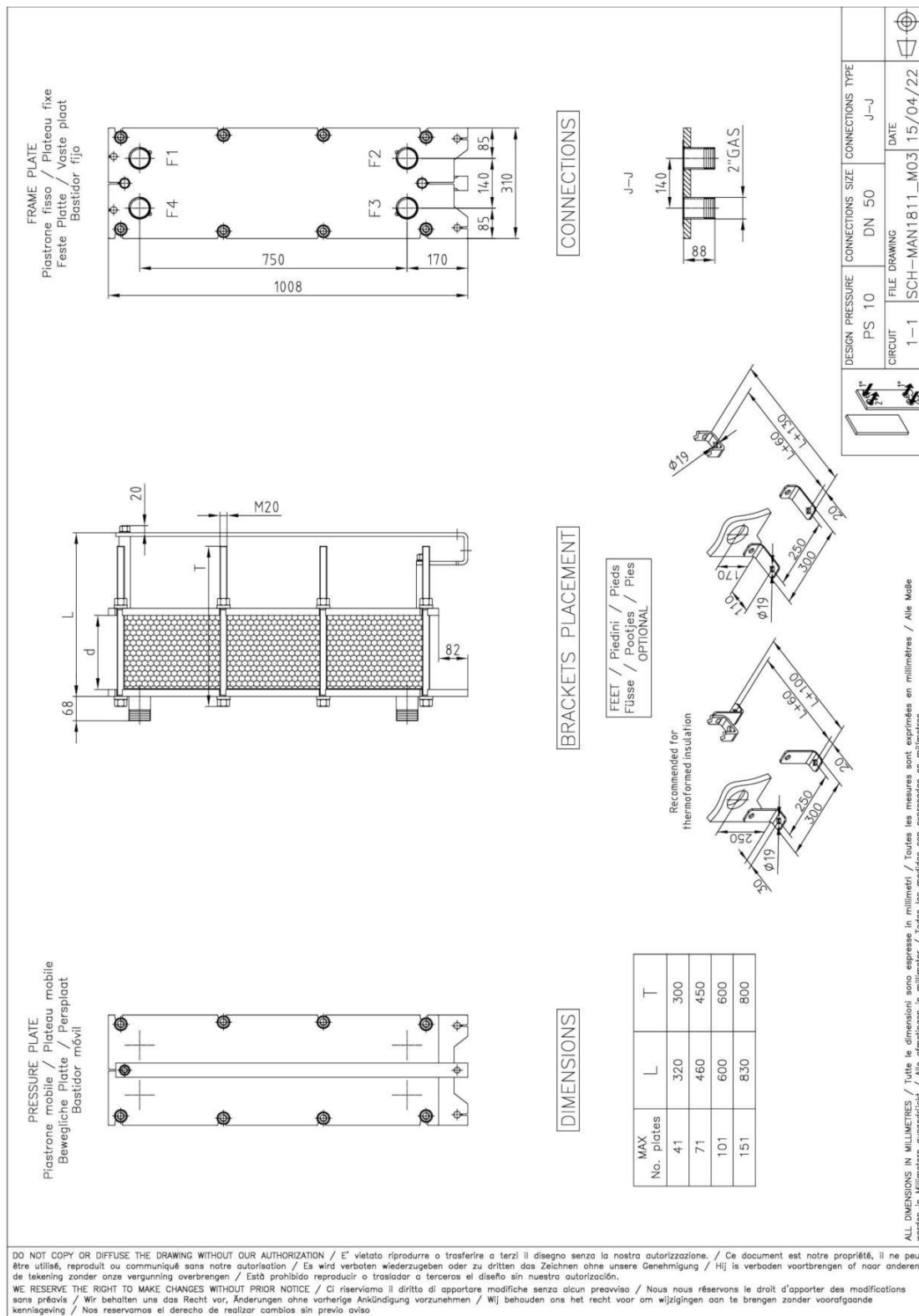
DIMENSIONS AND WEIGHT

Overall dimensions (width x height x length)	mm	310 x 1008 x 408
Weight (empty / operating)	kg	134 / 150

REMARKS

Checking of COMPATIBILITY between fluids and materials is on user charge. For support contact "your contact" as above indicated who drafted the present document.
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