

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

Item :
Date : 8/30/2024
Your contact : info@f2komplex.hu
email : info@f2komplex.hu

OPERATING CONDITION

COLD SIDE

HOT SIDE

Fluids		Mono-Ethylene Glycol 30%	Water
Inlet flow rates	m ³ /h	9.33	8.59
INLET temperatures	°C	7.0	14.0
OUTLET temperatures	°C	12.0	9.0
Pressure drop (calc.)	kPa	28.92	20.66
Operating pressure	bar G	5.000	5.000
Capacity	kW		50.00
Total oversizing	%		9.27

FLUID PROPERTIES

Density	kg/m ³	1041.20	999.79
Specific heat capacity	J/(kg K)	3706	4191
Thermal conductivity	W/(m K)	0.456	0.583
Dynamic viscosity	cP	3.0465	1.2509

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 / 14
Volume (each side)	l	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

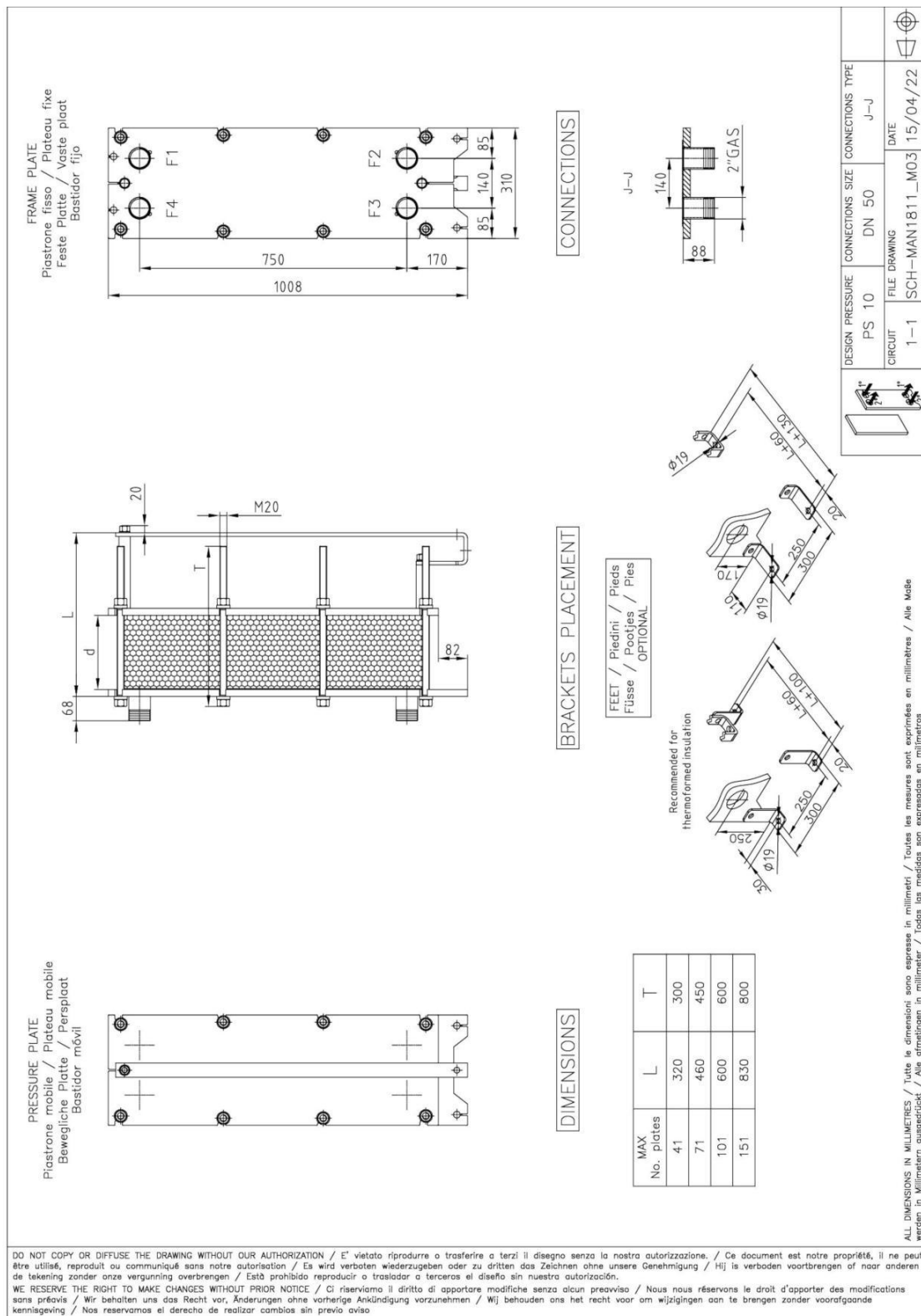
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Exchange
for good

Drawing

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