

Customer :	Item :	
Customer contact :	Date :	8/28/2024
email :	Your contact :	info@f2komplex.hu
Customer reference :	email :	info@f2komplex.hu
Model : SE 0160+		

OPERATING CONDITION		COLD SIDE		HOT SIDE	
Fluids		Water		Water	
Inlet flow rates	m ³ /h	19.43		19.47	
INLET temperatures	°C	45.0		70.0	
OUTLET temperatures	°C	65.0		50.0	
Pressure drop (calc.)	kPa	24.94		24.97	
Operating pressure	bar G	5.000		5.000	
Capacity	kW			445.00	
Total oversizing	%			18.14	

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+081A00PNPV0JJ11	
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	101	

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	15.7
Specific compliance and certification	-	

DIMENSIONS AND WEIGHT

Overall dimensions (width x height x length)	mm	310 x 1008 x 688
Weight (empty / operating)	kg	170 / 201

REMARKS

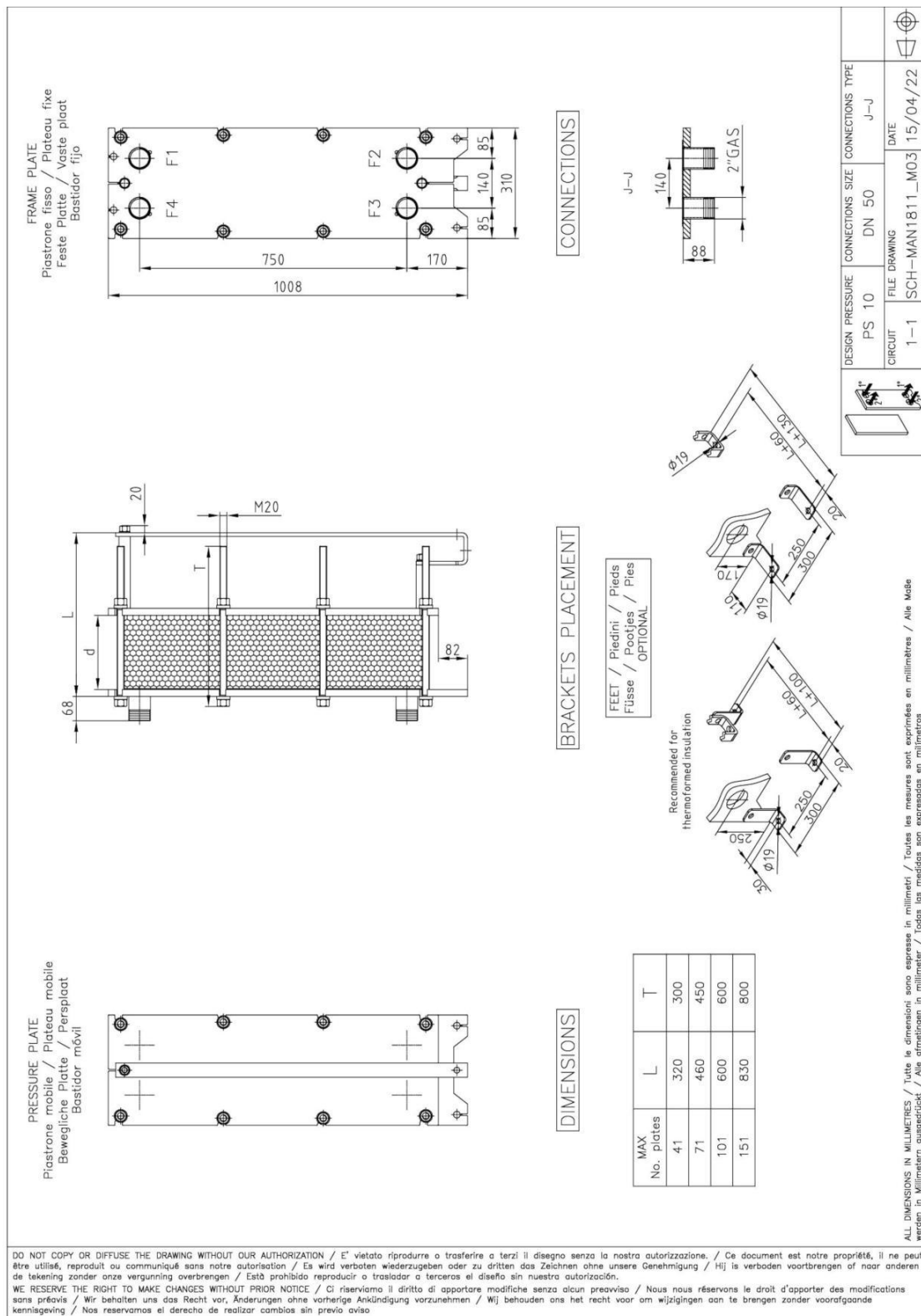
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Exchange
for good

Drawing

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