

Customer :
 Customer contact :
 email :
 Customer reference :
 Model : SE 0040+

Item :
 Date : 8/26/2024
 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	2.61	2.41	m ³ /h
INLET temperatures	°C	7.0	15.0	°C
OUTLET temperatures	°C	12.0	10.0	°C
Pressure drop (calc.)	kPa	3.43	2.72	kPa
Operating pressure	bar G	5.000	5.000	bar G
Capacity	kW		14.00	
Total oversizing	%		2.08	

FLUID PROPERTIES

Density	kg/m ³	1041.20	999.68
Specific heat capacity	J/(kg K)	3706	4190
Thermal conductivity	W/(m K)	0.456	0.585
Dynamic viscosity	cP	3.0465	1.2166

PRODUCT CONFIGURATION

Product code	SE#0040+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	DN32	DN32	
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	49		

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 / 15	
Volume (each side)	l	2.2	2.2
Specific compliance and certification	-		

DIMENSIONS AND WEIGHT

Overall dimensions (width x height x length)	mm	200 x 470 x 351
Weight (empty / operating)	kg	35 / 39

REMARKS

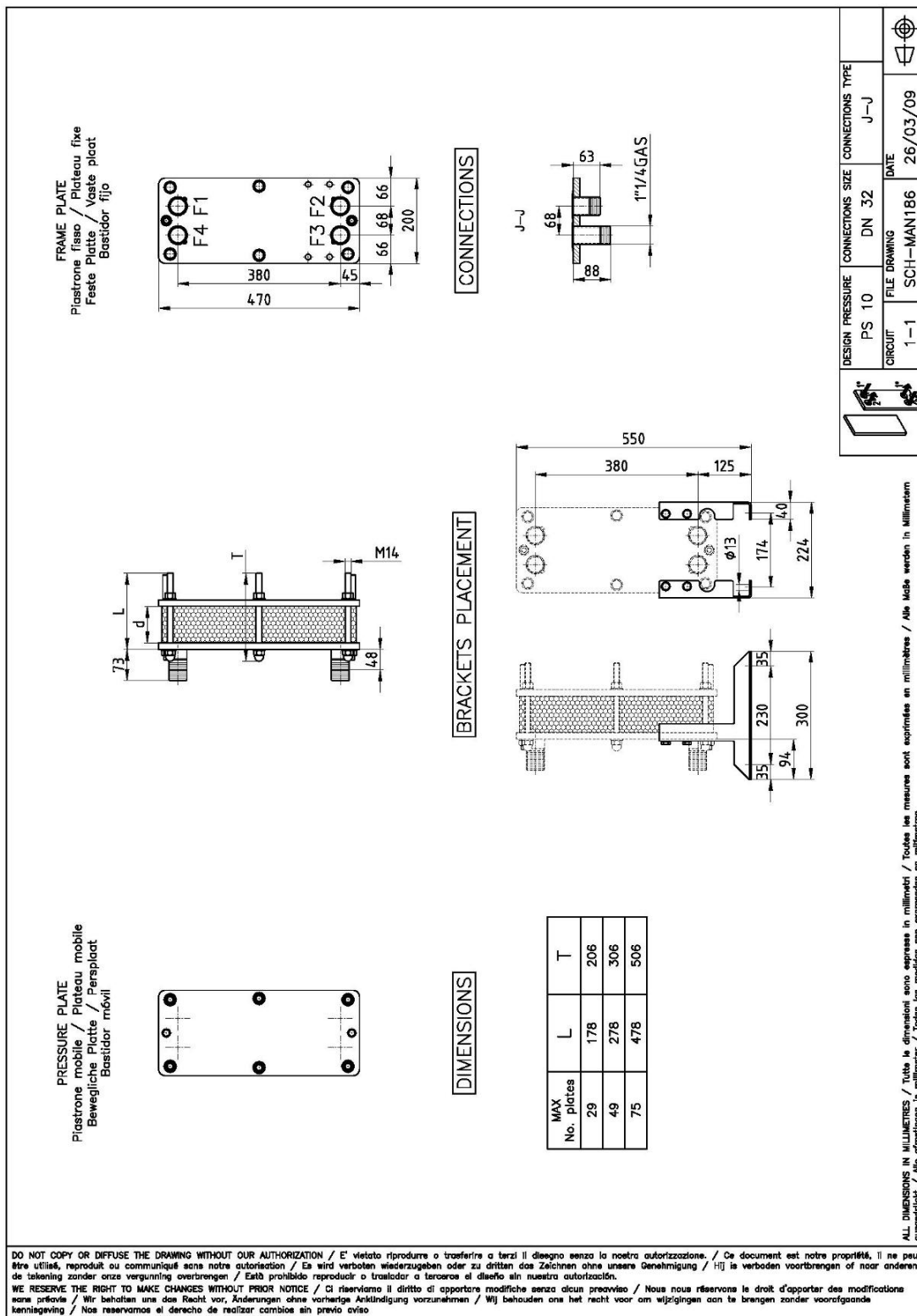
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Exchange
for good

Drawing

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