

Customer :	Item :	
Customer contact :	Date :	8/30/2024
email :	Your contact :	info@f2komplex.hu
Customer reference :	email :	info@f2komplex.hu
Model :	SE 0080+	

OPERATING CONDITION

COLD SIDE

HOT SIDE

Fluids		Mono-Ethylene Glycol 30%	Water	
Inlet flow rates	m³/h	7.46	6.87	m³/h
INLET temperatures	°C	7.0	14.0	°C
OUTLET temperatures	°C	12.0	9.0	°C
Pressure drop (calc.)	kPa	27.35	20.72	kPa
Operating pressure	bar G	5.000	5.000	bar G
Capacity	kW		40.00	
Total oversizing	%		4.99	

FLUID PROPERTIES

Density	kg/m³	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#0080+061A00PNPV0JJ11		
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	75		

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	5.6	5.6
Specific compliance and certification		-	

DIMENSIONS AND WEIGHT

Overall dimensions (width x height x length)	mm	200 x 755 x 551
Weight (empty / operating)	kg	65 / 76

REMARKS

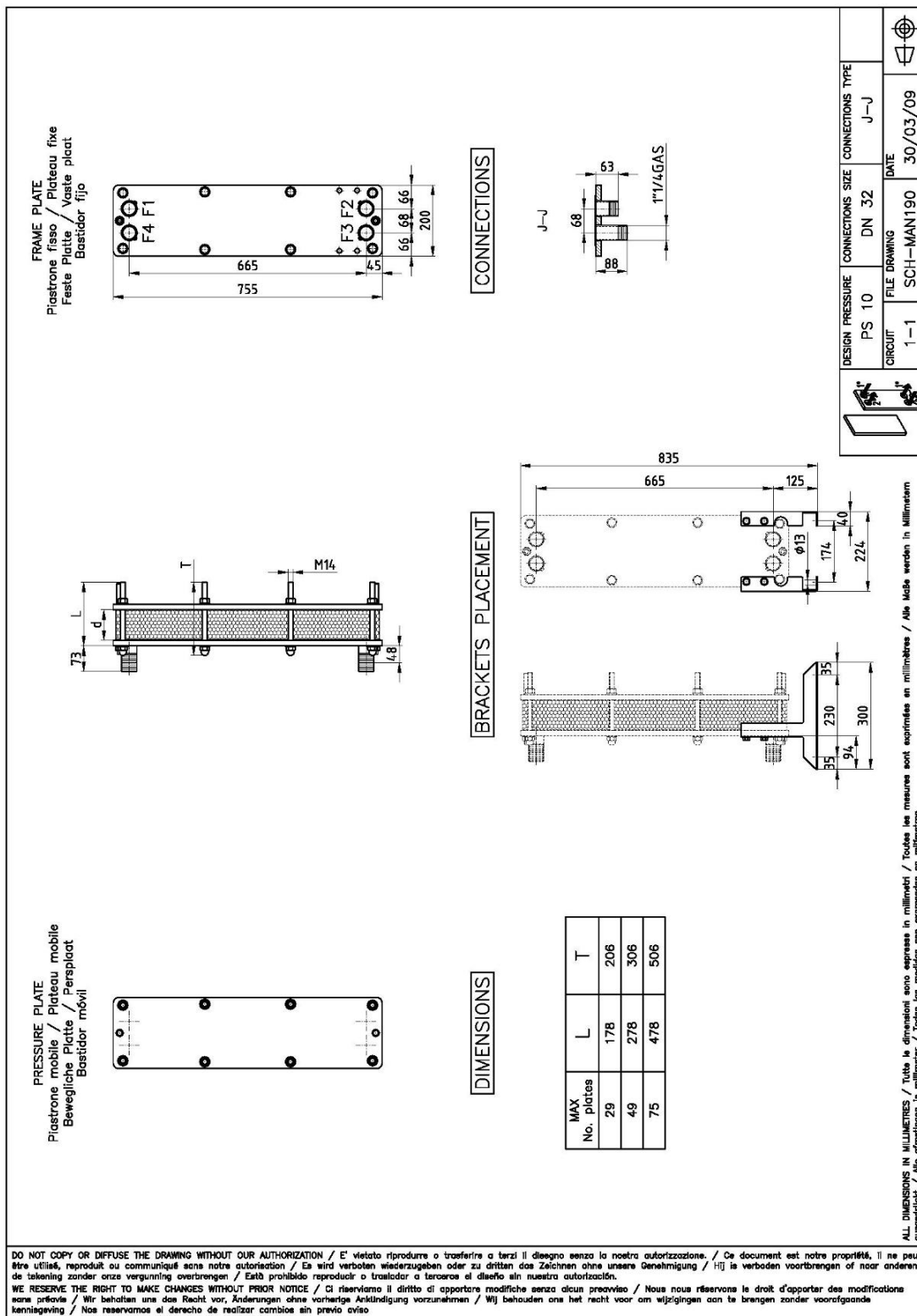
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Exchange
for good

Drawing

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