

Customer :	Item :	
Customer contact :	Date :	8/29/2024
email :	Your contact :	info@f2komplex.hu
Customer reference :	email :	info@f2komplex.hu
Model : SE 0070+		

OPERATING CONDITION		COLD SIDE		HOT SIDE	
Fluids		Water		Water	
Inlet flow rates	m ³ /h	5.23		5.25	m ³ /h
INLET temperatures	°C	40.0		70.0	°C
OUTLET temperatures	°C	60.0		50.0	°C
Pressure drop (calc.)	kPa	10.93		10.93	kPa
Operating pressure	bar G	5.000		5.000	bar G
Capacity	kW		120.00		
Total oversizing	%		1.11		

FLUID PROPERTIES

Density	kg/m ³	988.25	983.41
Specific heat capacity	J/(kg K)	4180	4184
Thermal conductivity	W/(m K)	0.644	0.655
Dynamic viscosity	cP	0.5470	0.4665

PRODUCT CONFIGURATION

Product code	SE#0070+021A00PNPV0JJ11	
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	2.6
Specific compliance and certification	-	

DIMENSIONS AND WEIGHT

Overall dimensions (width x height x length)	mm	310 x 678 x 408
Weight (empty / operating)	kg	79 / 84

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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Exchange
for good

Drawing

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