

SSP G7 - (v 7.0.3.24)
Kuupäev : 2014-05-05

Single Phase - QUOTATION

SOOJUSVAHETITÜÜP : IC25THx40/1P-SC-S (4x1")

Art No : IC3845040

Connection Data

F1 -	ISO-G 1" A NON-CASTED(45)
F2 -	ISO-G 1" A NON-CASTED(45)
F3 -	ISO-G 1" A NON-CASTED(45)
F4 -	ISO-G 1" A NON-CASTED(45)

Connection Locations

Side 1:	F3/F1 (in/out)
Side 2:	F2/F4 (in/out)

Soojuskandja primaarpool: Ethylene Glycol - Water (50 %)
Soojuskandja sekundaarpool: Water

Flow Type : Counter-Current

TEHNILISED LÄHTEANDMED

		PRIMAAR	SEKUNDAAR
Ülekantav võimsus	kW	39,17	
Temperatuur sisenemisel	°C	84,00	10,00
Temperatuur väljumisel	°C	70,00	20,96
Soojuskandja kulu	l/min	46,00	51,23
Max. rõhukadu	kPa	20,0	20,0
Termiline pikkus		0,23	0,18

PLAATSOOJUSVAHETI

		PRIMAAR	SEKUNDAAR
Soojusvahetuspind	m ²	2,39	
Soojusvool	kW/m ²	16,4	
Keskmine temperatuuride vahe	K	61,51	
Soojuslābikandetegur (Arvutatud/nōudmine)	W/m ² , °C	3680/266	
Rōhukadu - Kokku	kPa	18,8	19,4
- Liideses	kPa	1,42	1,70
Liidese mōōt	mm	24,0	24,0
Kanalite koguarv		19	20
Plaatide koguarv		40	
Ülepind	%	1280	
Saastumisvaru	m ² , °C/kW	3,407	
Reynolds'i arv		731	672
Kiirus (Port velocity)	m/s	1,69	1,89

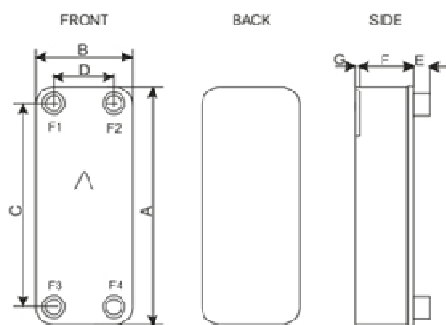
FÜÜSIKALISED OMADUSED

		PRIMAAR	SSP G7 - (v 7.0.3.24) SEKUNDAA R
Referenssiteperatuur	°C	77,00	15,48
Viskoossuus	cP	1,02	1,12
Viskoossuus - seinal	cP	2,12	0,676
Tihedus	kg/m ³	1042	999,0
Erisoojus	kJ/kg, °C	3,503	4,186
Soojusjuhtivus	W/m, °C	0,4106	0,5902
Min. soojuskandja temp. seinal	°C	36,46	
Max. soojuskandja temp. seinal	°C		43,72
Soojusülekandegur	W/m ² , °C	6580	10200
Keskmine seina temperatuur	°C	41,80	38,22
Voolu kiirus kanalis	m/s	0,179	0,189
Pingete jagunemine seinal	Pa	36,3	37,1

Totals

		PRIMAAR	SEKUNDAA R
Total weight	kg		9,250
Hold-up volume, inner circuit	dm ³		2,1090
Hold-up volume, outer circuit	dm ³		2,2200
PortSize F1/P1	mm		24
PortSize F2/P2	mm		24
PortSize F3/P3	mm		24
PortSize F4/P4	mm		24
NND F1/P1	mm		18 and/or 27
NND F2/P2	mm		18 and/or 27
NND F3/P3	mm		18 and/or 27
NND F4/P4	mm		27 and/or 18
Plate material			AISI 316
Max operating pressure	bar		25
Test pressure	bar		40
Max working temperature	°C		155
Connection Data			
	F1	ISO-G 1" A NON-CASTED(45)	
	F2	ISO-G 1" A NON-CASTED(45)	
	F3	ISO-G 1" A NON-CASTED(45)	
	F4	ISO-G 1" A NON-CASTED(45)	
Connection locations	in/out	F3/F1	F2/F4
Carbon Footprint	kg	65	

DIMENSIONS



This is a schematic sketch. For correct drawings please use the order drawing function or contact your SWEP representative.

A	mm	526 +/-2
B	mm	119 +/-1
C	mm	479 +/-1
D	mm	72 +/-1
E	mm	20 / 45 +/-1
F	mm	93,60 +0,5%/-1,5%
G	mm	6 +/-1
R	mm	23

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Disclaimer: Data used in this calculation is subject to change without notice. Calculation is intended to show thermal and hydraulic performance, no consideration has been taken to mechanical strength of the product. Product restrictions - such as pressure, temperatures and corrosion resistance- can be found in SWEP product sheets and other technical documentation. SWEP may have patents, trademarks, copyrights or other intellectual property rights covering subject matter in this document. Except as expressly provided in any written license agreement from SWEP, the furnishing of this document does not give you any license to these patents, trademarks, copyrights, or other intellectual property.