

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:	F2/F4 (in/out)
Side 2:	F3/F1 (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	65,00
Temperatuur väljumisel	°C	70,00	80,60
Soojuskandja kulu	l/min	46,00	36,81
Max. rõhukadu	kPa	20,0	20,0
Termiline pikkus		3,37	3,76

PLAATSOOJUSVAHETI

		PRIMAAR	SEKUNDAAR
Soojusvahetuspind	m ²	2,39	
Soojusvool	kW/m ²	16,4	
Keskmine temperatuuride vahe	K	4,15	
Soojuslähikandetegur (Arvutatud/nõudmine)	W/m ² , °C	3980/3940	
Rõhukadu - Kokku	kPa	16,7	10,5
- Liideses	kPa	1,42	0,854
Liidese mõõt	mm	24,0	24,0
Kanalite koguarv		20	19
Plaatide koguarv		40	
Ülepind	%	0	
Saastumisvaru	m ² , °C/kW	0,002	
Reynolds'i arv		694	1430
Kiirus (Port velocity)	m/s	1,69	1,36

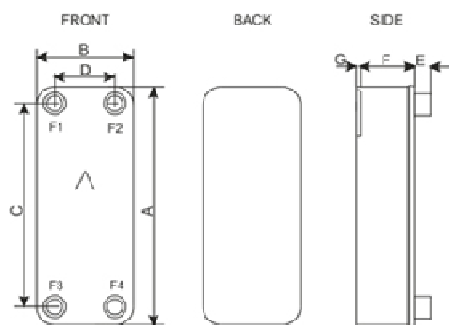
FÜÜSIKALISED OMADUSED

Referenssiteperatuur	°C	77,00	SSP G7 - (v 7.0.3.24) SEKUNDAA R
Viskoossuus	cP	1,02	72,80
Viskoossuus - seinal	cP	1,06	0,389
Tihedus	kg/m ³	1042	0,382
Erisoojus	kJ/kg, °C	3,503	976,1
Soojusjuhtivus	W/m, °C	0,4106	4,194
Min. soojuskandja temp. seinal	°C	67,14	0,6652
Max. soojuskandja temp. seinal	°C		81,77
Soojusülekandegur	W/m ² , °C	6950	11600
Keskmine seina temperatuur	°C	74,54	74,28
Voolu kiirus kanalis	m/s	0,170	0,143
Pingete jagunemine seinal	Pa	31,9	20,1

Totals

Total weight	kg	9,250	PRIMAAR	SEKUNDAA R
Hold-up volume, inner circuit	dm ³	2,2200		
Hold-up volume, outer circuit	dm ³	2,1090		
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	F2/F4		F3/F1
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.