

YKSIFAASI - Design
SOOJUSVAHETITÜÜP : IC10Tx30

Soojuskandja primaarpool : Water
 Soojuskandja sekundaarpool : Water

Flow Type : Counter-Current

TEHNILISED LÄHTEANDMED

		PRIMAAR	SEKUNDAAR
Ülekantav võimsus	kW	21,03	
Temperatuur sisenemisel	°C	95,00	85,00
Temperatuur väljumisel	°C	90,00	90,00
Soojuskandja kulu	kg/s	0,9989	1,000
Max. rõhukadu	kPa	20,0	20,0
Termiline pikkus		1,00	1,00

PLAATSOOJUSVAHETI

		PRIMAAR	SEKUNDAAR
Soojusvahetuspind	m ²	0,868	
Soojusvool	kW/m ²	24,2	
Keskmine temperatuuride vahe	K	5,00	
Soojuslähikandegur (Arvutatud/nõudmine)	W/m ² , °C	8440/4840	
Rõhukadu - Kokku	kPa	20,0	17,8
- Liideses	kPa	2,41	2,41
Liidese mõõt	mm	24,0	24,0
Kanalite koguarv		14	15
Plaatide koguarv		30	
Ülepind	%	74	
Saastumisvaru	m ² , °C/kW	0,085	
Reynolds'i arv		4130	3640
Kiirus liidestest	m/s	2,29	2,29

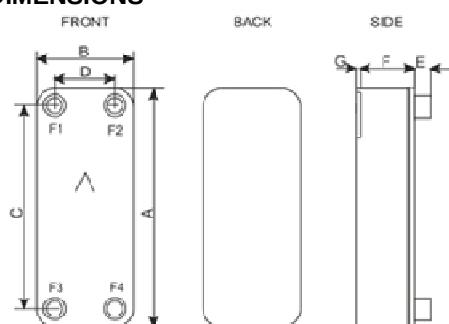
FÜÜSIKALISED OMADUSED

		PRIMAAR	SEKUNDAAR
Referenssiteperatuur	°C	92,50	87,50
Viskoossus	cP	0,306	0,324
Viskoossus - seinal	cP	0,313	0,316
Tihedus	kg/m ³	963,7	967,1
Erisoojus	kJ/kg, °C	4,210	4,205
Soojusjuhtivus	W/m, °C	0,6763	0,6740
Min. soojuskandja temp. seinal	°C	87,97	
Max. soojuskandja temp. seinal	°C		92,16
Soojusülekanalitegur	W/m ² , °C	20800	19600
Keskmine seina temperatuur	°C	90,41	89,73
Voolu kiirus kanalis	m/s	0,328	0,305
Pingete jagunemine seinal	Pa	72,2	63,4

TOTALS

Total weight	kg	4,27
Hold-up volume, inner circuit	dm ³	0,854
Hold-up volume, outer circuit	dm ³	0,915
PortSize F1/P1	mm	24,0
PortSize F2/P2	mm	24,0
PortSize F3/P3	mm	24,0
PortSize F4/P4	mm	24,0
NND F1/P1	mm	27,0 and/or 18,0
NND F2/P2	mm	18,0 and/or 27,0
NND F3/P3	mm	27,0 and/or 18,0
NND F4/P4	mm	18,0 and/or 27,0
CarbonFootprint	kg	30,0

DIMENSIONS



A	mm	289 +/-2
B	mm	119 +/-1
C	mm	243 +/-1
D	mm	72 +/-1
E	mm	20,10 (opt. 45,10) +/-1
F	mm	71,20 +0,5%/-1,5%
G	mm	6 +/-1
R	mm	22

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

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.

*Excluding pressure drop in connections.