

## EGYFÁZISÚ - Design

### Hőcserélő : B10THx20/1P

1. foly old. : Water  
 2. foly old. : Water

Oldal 1 : Külső áramkör  
 Oldal 2 : Belső kör

SSP Alias : B10T

#### TELJESÍTMÉNY

		Oldal 1	Oldal 2
Teljesít.	kW	75,00	
Bemeneti hőm.	°C	65,00	10,00
Kimeneti hőm.	°C	50,00	55,00
Átf. seb.	kg/s	1,195	0,3989
Max. nyomásesés	kPa	50,0	50,0
Hőhossz		0,693	2,079

#### LEMEZES HŐCSERÉLŐ

		Oldal 1	Oldal 2
Teljes hőátvitel felület	m²	0,558	
Hőáramlás	kW/m²	134	
Átlag hőmérséklet eltérés	K	21,64	
O.H.T.C. (rend. áll/szüks.)	W/m², °C	6630/6210	
Teljes nyomásesés*	kPa	51,4	8,03
- a csatl.	kPa	3,37	0,371
Csatl. átmérő	mm	24,0/24,0 (fel/le)	24,0/24,0 (fel/le)
Csatornák száma		10	9
Lemezek száma		20	
Felület tart.	%	7	
Eltöm. faktor	m², °C/kW	0,010	
Reynolds szám		4361	1036
Terület átlagos port sebessége	m/s	2,68	0,886
Csatl. seb.	m/s	2,68/2,68 (fel/le)	0,886/0,886 (fel/le)

#### FIZIKAI TULAJDONS.

		Oldal 1	Oldal 2
Ref. hőmérséklet	°C	57,50	32,50
Din. viszkozitás	cP	0,485	0,757
Din. viszkozitás - fal	cP	0,542	0,567
- Sűrűség	kg/m³	984,5	994,9
- Hőlead. telj.	kJ/kg, °C	4,184	4,178
- Hővezetés	W/m, °C	0,6519	0,6194
Largest wall temperature difference	K	6,00	
Min. folyadék hőm. a falnál	°C	39,42	33,42
Max. folyadék hőm. a falnál	°C	62,35	60,86
Réteg koeff.	W/m², °C	25100	11300
Average wall temperature	°C	50,56	47,86
Csat. sebesség	m/s	0,537	0,197
Nyírófesz.	Pa	198	31,5

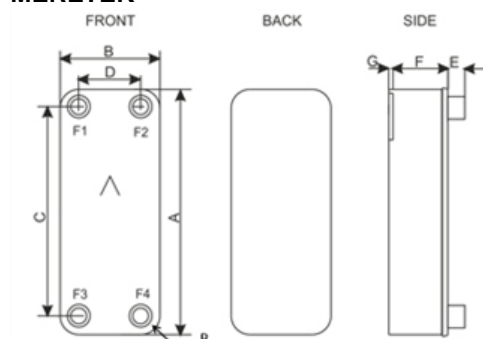
## ÖSSZ

Total weight empty	kg	2,87 - 4,02
Total weight filled	kg	4,02 - 5,17
Hold-up volume, inner circuit	dm <sup>3</sup>	0,549
Hold-up volume, outer circuit	dm <sup>3</sup>	0,610
Port size F1/P1	mm	24,0
Port size F2/P2	mm	24,0
Port size F3/P3	mm	24,0
Port size F4/P4	mm	24,0
NND F1/P1	mm	18,0 and/or 27,0
NND F2/P2	mm	18,0 and/or 27,0
NND F3/P3	mm	18,0 and/or 27,0
NND F4/P4	mm	18,0 and/or 27,0
Carbon footprint	kg	21,6

## Oldal 1

## Oldal 2

## MÉRETEK



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

A	mm	289 +/-2
B	mm	119 +/-1
C	mm	243 +/-1
D	mm	72 +/-1
E	mm	20 (opt. 45) +/-1
F	mm	48,80 to 52,80 +2%/-1,5%
G	mm	4 to 6 +/-1
R	mm	22 to 23

Disclaimer: Data used in this calculation is subject to change without notice. SWEP strives to use "best practice" for the calculations leading to the above results. 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. To the maximum extent permitted by applicable law, the software, the calculations and the results are provided without warranties of any kind, whether express or implied. No advice or information obtained through use of the software (including information provided in the results), will create any warranty not expressly stated in the applicable license terms. Without limiting the foregoing, SWEP does not warrant that the content (including the calculations and the results) is accurate, reliable or correct. SWEP does not warrant that any system comprising heat exchanger and other components, installed on the basis of calculations in this software, will meet your requirements or function to your satisfaction or expectations.

\*Kiv. a nyomásesést a csatlakozásoknál.



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