



SCP-Fisa tehnica de dimensionare

3/2/2022  
Poz.3

TIP SCP	NPT4-IT10-18-TL	Agent cald	Agent rece
Debit	(m3/h)	4.40	1.73
Temperatura intrare	(°C)	80.00	10.00
Temperatura iesire	(°C)	60.00	60.00
Pierdere de presiune	(bar)	0.28	0.08
Putere termica	(kW)	100	

Proprietati termodinamice		Apa	Apa
Densitate	(kg/m <sup>3</sup> )	978.06	993.72
Caldura specifica	(kJ/kg*K)	4.19	4.18
Conductivitate termica	(W/m*K)	0.66	0.62
Vascozitate medie	(mPa*s)	0.43	0.72
Vascozitate la perete	(mPa*s)	0.72	0.43
Factor de depuneri	(m <sup>2</sup> *K/kW)	0.02	0.02
Factor de dimensionare	%	20.38	
Racord intrare		F1	F3
Racord iesire		F4	F2

Descriere batiu / Placi

Aranjament placi (treceeri*canal)	1	x	9	+	0	x	0
Aranjament placi (treceeri*canal)	1	x	8	+	0	x	0
Numar de placi	18						
Suprafata efectiva de transfer(m <sup>2</sup> )	0.67						
Coef. K In functiune / Curat (W/m <sup>2</sup> *K)	4,545.09	5,471.25					
Material placi	0.5 mm AISI 316						
Material garnituri / Temp. max.	EPDM HANG ON / 140						
Temp. maxima de functionare (°C)	130.00						
Presiune max. de lucru/ de testare(bar)	10.00	/					13.00
Presiunea diferentiala maxima(bar)	10.00						
Certificare	PED						
Volum de lichid (liter)	3						
Lungime batiu (mm)	200						
Greutate neta (kg)	24						
Tip batiu	IT						
Racorduri agent cald F1/F4 :	1.25 INCH Threaded pipe BSP, AISI 316						
Racorduri agent rece F3/F2:	1.25 INCH Threaded pipe BSP, AISI 316						