



SCP-Fisa tehnica de dimensionare

3/2/2022  
Poz.5

TIP SCP	NPT4-IT10-28-TL	Agent cald	Agent rece
Debit	(m <sup>3</sup> /h)	6.59	2.60
Temperatura intrare	(°C)	80.00	10.00
Temperatura iesire	(°C)	60.00	60.00
Pierdere de presiune	(bar)	0.27	0.07
Putere termica	(kW)	150	

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)	0.03	0.03
Factor de dimensionare	%	27.73	
Racord intrare		F1	F3
Racord iesire		F4	F2

Descriere batiu / Placi

Aranjament placi (treceeri*canal)	1	x	14	+	0	x	0
Aranjament placi (treceeri*canal)	1	x	13	+	0	x	0
Numar de placi	28						
Suprafata efectiva de transfer(m <sup>2</sup> )	1.09						
Coef. K In functiune / Curat (W/m <sup>2</sup> *K)	4,195.47 / 5,358.82						
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)	5						
Lungime batiu (mm)	250 Numar max. de placi admis 40						
Greutate neta (kg)	28						
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						