



SCP-Fisa tehnica de dimensionare

3/2/2022
Poz.1

TIP SCP	NPT4-IT10-10-TL	Agent cald	Agent rece
Debit	(m ³ /h)	2.20	0.87
Temperatura intrare	(°C)	80.00	10.00
Temperatura iesire	(°C)	60.00	60.00
Pierdere de presiune	(bar)	0.23	0.07
Putere termica	(kW)	50	

Proprietati termodinamice		Apa	Apa
Densitate	(kg/m ³)	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 ² *K/kW)	0.01	0.01
Factor de dimensionare	%	14.26	
Racord intrare		F1	F3
Racord iesire		F4	F2

Descriere batiu / Placi

Aranjament placi (treceeri*canal)	1	x	5	+	0	x	0
Aranjament placi (treceeri*canal)	1	x	4	+	0	x	0
Numar de placi	10						
Suprafata efectiva de transfer(m ²)	0.34						
Coef. K In functiune / Curat (W/m ² *K)	4,545.09	/	5,193.34				
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)	2						
Lungime batiu (mm)	150	Numar max. de placi admis	15				
Greutate neta (kg)	22						
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				