

TEPELNÉ ERPADLO KONDENZÁTOR - VÝKONNOS

VÝMENNÍK TEPLA: B26-NHPx24

SWEP SSP™

Dátum: 02/06/2026

Alias v SSP: B26-NHP

TECHNICKÉ ZADANIE		Strana 1	Strana 2
Tekutina		R32	Water
Typ toku			Protiprúd
Okruh		Vnútoraná	Vonkajšia
Výkon	kW		6.000
Vstupná kvalita výparu		1.000	
Výstupná kvalita vparu		0.000	
Vstupná teplota	°C	50.0	27.0
Kondenzačná teplota (rosný bod)	°C	33.5	
Podchladenie	K	5.0	
Actual Subcooling	K	5.0	
Výstupná teplota	°C	28.5	32.0
Prietok	kg/s	0.02101	0.2872
Prietok kondenzátu	kg/s	0.02101	

DOSKOVÝ VÝMENNÍK TEPLA		Strana 1	Strana 2
Celková plocha výmeny tepla	m ²		0.902
Tepelný tok	kW/m ²		6.65
Stredný log. teplotný rozdiel	K		3.5
Overall heat transfer coefficient požadované	W/m ² , °C		1920
Tlaková strata - celková*	kPa	1.34	3.71
- v portoch (Vstup/Výstup)	kPa	-0.0115/4.47e-3	0.120
Strata tlaku v distributore chladiva	kPa	0.000	
Operating pressure (Dew)	kPa	2110	
Výstupný tlak	kPa	2110	
Počet kanálov na priechod		11	12
Počet dosiek			24
Plošná rezerva	%		0
Faktor znečistenia	m ² , °C/kW		0.001
Priemer pripojenia (hore/dole)	mm	24.0/18.0	27.0/27.0
Doporučený priemer vstupného pripojenia	mm	4.41 - 9.86	
Doporučený priemer výstupného pripojenia	mm	3.80 - 7.60	
Reynoldovo číslo			525.0
Vstup Rýchlosť v porte	m/s	0.843	0.504
Rýchlosť v kanáloch	m/s	0.219	0.152
Strihové napätie	kPa		7.62e-3
Max. tepelný rozdiel na stene	K		0.1
Min./Max. teplota steny	°C	27.2/32.6	27.2/32.6

*S výnimkou tlakovej straty v konetoroch.

FYZIKÁLNE VLASTNOSTI		Strana 1	Strana 2
Referenčná teplota	°C	33.5	29.5
Kvapalina • Dynamická viskozita	cP	0.103	0.807
• Hustota	kg/m ³	925.6	995.8
• Merná tepelná kapacita	kJ/kg, °C	2.000	4.179
• Tepelná vodivosť	W/m, °C	0.1194	0.6146
Para • Dynamická viskozita	cP	0.0130	
• Hustota	kg/m ³	55.05	
• Merná tepelná kapacita	kJ/kg, °C	1.350	
• Tepelná vodivosť	W/m, °C	0.01308	
• Latentné teplo	kJ/kg	253.4	
Koeficient prestupu tepla	W/m ² , °C	4290	5910
• Bub Enthalpy	kJ/kg	0.0000	



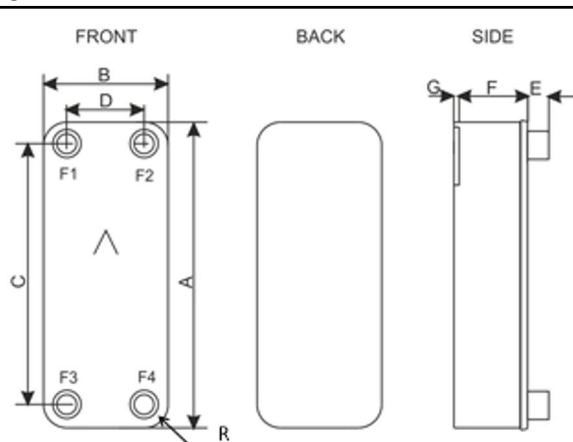
FYZIKÁLNE VLASTNOSTI

		Strana 1	Strana 2
• Dew Enthalpy	kJ/kg	0.0000	
• Inlet Enthalpy	kJ/kg	36.22	
• Outlet Enthalpy	kJ/kg	-10.37	

ÚHRNÉ HODNOTY

		Strana 1	Strana 2
Celková hmotnosť (bez konektorov)*	kg		4.08 - 4.35
Hold-up objem (Vnútorňa Okruh)	dm ³		0.48
Odhadovaná náplň chladiacej kvapaliny	kg		0.13
Hold-up objem (Vonkajšia Okruh)	dm ³		0.79
Ve kos portu F1/P1	mm		24
Ve kos portu F2/P2	mm		27
Ve kos portu F3/P3	mm		18
Ve kos portu F4/P4	mm		27

*Hmotnosť závisí od zvoleného produktu.

ROZMERY


A	mm	376 ±1
B	mm	119 ±1
C	mm	329 ±1
D	mm	72 ±1
E	mm	20 (opt. 45) ±1
F*	mm	42.64 - 46.64 +1.5%/-3.5%
G*	mm	4 - 6 ±1
O	mm	2
R	mm	23

*Rozmery závisia od zvoleného produktu.

*To je schematický nárt. Pre správne výkresy použite funkciu "Objednaj výkres" alebo sa obráťte na SWEP zástupcu.

UHLÍKOVÁ STOPA

	Unit	Value
Sweden - Landskrona	kg CO ₂ e	21.0 - 22.4
USA - Tulsa	kg CO ₂ e	22.0 - 23.5
Slovakia - Košice	kg CO ₂ e	23.9 - 25.5
Malaysia - Kuala Lumpur	kg CO ₂ e	33.2 - 35.4
China - Suzhou	kg CO ₂ e	57.0 - 60.8

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