

# TEPELNÉ ERPADLO KONDENZÁTOR - VÝKONNOS

## VÝMENNÍK TEPLA: B26-NHPx30

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		8.000
Vstupná kvalita výparu		1.000	
Výstupná kvalita vparu		0.000	
Vstupná teplota	°C	50.0	27.0
Kondenzačná teplota (rosný bod)	°C	33.6	
Podchladenie	K	5.0	
Actual Subcooling	K	5.0	
Výstupná teplota	°C	28.6	32.0
Prietok	kg/s	0.02805	0.3829
Prietok kondenzátu	kg/s	0.02805	

DOSKOVÝ VÝMENNÍK TEPLA		Strana 1	Strana 2
Celková plocha výmeny tepla	m <sup>2</sup>		1.15
Tepelný tok	kW/m <sup>2</sup>		6.97
Stredný log. teplotný rozdiel	K		3.6
Overall heat transfer coefficient požadované	W/m <sup>2</sup> , °C		1960
Tlaková strata - celková*	kPa	1.47	4.24
- v portoch (Vstup/Výstup)	kPa	-0.0204/8.00e-3	0.213
Strata tlaku v distributore chladiva	kPa	0.000	
Operating pressure (Dew)	kPa	2110	
Výstupný tlak	kPa	2110	
Počet kanálov na priechod		14	15
Počet dosiek			30
Plošná rezerva	%		0
Faktor znečistenia	m <sup>2</sup> , °C/kW		0.002
Priemer pripojenia (hore/dole)	mm	24.0/18.0	27.0/27.0
Doporučený priemer vstupného pripojenia	mm	5.09 - 11.4	
Doporučený priemer výstupného pripojenia	mm	4.39 - 8.79	
Reynoldovo číslo			560.1
Vstup Rýchlosť v porte	m/s	1.12	0.672
Rýchlosť v kanáloch	m/s	0.229	0.162
Strihové napätie	kPa		8.54e-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	33.6	29.5
Kvapalina • Dynamická viskozita	cP	0.103	0.807
• Hustota	kg/m <sup>3</sup>	925.3	995.8
• Merná tepelná kapacita	kJ/kg, °C	2.001	4.179
• Tepelná vodivosť	W/m, °C	0.1193	0.6146
Para • Dynamická viskozita	cP	0.0130	
• Hustota	kg/m <sup>3</sup>	55.17	
• Merná tepelná kapacita	kJ/kg, °C	1.352	
• Tepelná vodivosť	W/m, °C	0.01309	
• Latentné teplo	kJ/kg	253.3	
Koeficient prestupu tepla	W/m <sup>2</sup> , °C	4360	6120
• Bub Enthalpy	kJ/kg	0.0000	

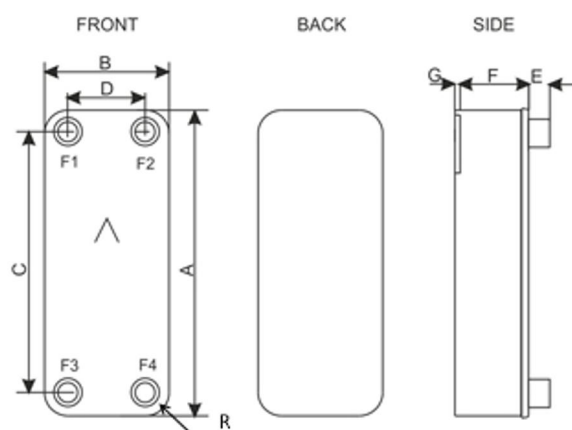


FYZIKÁLNE VLASTNOSTI		Strana 1	Strana 2
• Dew Enthalpy	kJ/kg	0.0000	
• Inlet Enthalpy	kJ/kg	36.05	
• Outlet Enthalpy	kJ/kg	-10.37	

ÚHRNÉ HODNOTY		Strana 1	Strana 2
Celková hmotnosť (bez konektorov)*	kg		4.72 - 4.99
Hold-up objem (Vnútorňa Okruh)	dm <sup>3</sup>		0.62
Odhadovaná náplň chladiacej kvapaliny	kg		0.16
Hold-up objem (Vonkajšia Okruh)	dm <sup>3</sup>		0.99
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	52.3 - 56.3 +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 <sub>2</sub> e	24.3 - 25.7
USA - Tulsa	kg CO <sub>2</sub> e	25.5 - 27.0
Slovakia - Košice	kg CO <sub>2</sub> e	27.6 - 29.2
Malaysia - Kuala Lumpur	kg CO <sub>2</sub> e	38.5 - 40.7
China - Suzhou	kg CO <sub>2</sub> e	66.0 - 69.8

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