

TEPELNÉ ERPADLO KONDENZÁTOR - VÝKONNOS

VÝMENNÍK TEPLA: B8LAS-NHPx26

SWEP SSP™

Dátum: 02/06/2026

Alias v SSP: B8LAS-NHP

| TECHNICKÉ ZADANIE | | Strana 1 | Strana 2 |
|---------------------------------|------|-----------|-----------|
| Tekutina | | R32 | Water |
| Typ toku | | | Protiprúd |
| Okruh | | Vnútoraná | Vonkajšia |
| Kanál | | Úzky | Široký |
| Výkon | kW | | 4.000 |
| Vstupná kvalita výparu | | 1.000 | |
| Výstupná kvalita vparu | | 0.000 | |
| Vstupná teplota | °C | 50.0 | 27.0 |
| Kondenzačná teplota (rosný bod) | °C | 32.6 | |
| Podchladenie | K | 5.0 | |
| Actual Subcooling | K | 5.0 | |
| Výstupná teplota | °C | 27.6 | 32.0 |
| Prietok | kg/s | 0.01387 | 0.1914 |
| Prietok kondenzátu | kg/s | 0.01387 | |

| DOSKOVÝ VÝMENNÍK TEPLA | | Strana 1 | Strana 2 |
|--|------------------------|-----------------|-----------|
| Celková plocha výmeny tepla | m ² | | 0.607 |
| Tepelný tok | kW/m ² | | 6.59 |
| Stredný log. teplotný rozdiel | K | | 2.6 |
| Overall heat transfer coefficient požadované | W/m ² , °C | | 2500 |
| Tlaková strata - celková* | kPa | 2.15 | 17.2 |
| - v portoch (Vstup/Výstup) | kPa | -0.0259/3.11e-3 | 0.431 |
| Strata tlaku v distributore chladiva | kPa | 0.000 | |
| Operating pressure (Dew) | kPa | 2060 | |
| Výstupný tlak | kPa | 2060 | |
| Počet kanálov na priechod | | 12 | 13 |
| Počet dosiek | | | 26 |
| Plošná rezerva | % | | -0 |
| Faktor znečistenia | m ² , °C/kW | | -0.000 |
| Priemer pripojenia (hore/dole) | mm | 16.0/16.0 | 16.0/16.0 |
| Doporučený priemer vstupného pripojenia | mm | 3.63 - 8.11 | |
| Doporučený priemer výstupného pripojenia | mm | 3.08 - 6.16 | |
| Reynoldovo číslo | | | 500.2 |
| Vstup Rýchlosť v porte | m/s | 1.28 | 0.956 |
| Rýchlosť v kanáloch | m/s | 0.268 | 0.184 |
| Strihové napätie | kPa | | 0.0332 |
| Max. tepelný rozdiel na stene | K | | 0.2 |
| Min./Max. teplota steny | °C | 27.1/32.8 | 27.1/32.7 |

*S výnimkou tlakovej straty v konetoroch.

| FYZIKÁLNE VLASTNOSTI | | Strana 1 | Strana 2 |
|---------------------------------|-----------------------|----------|----------|
| Referenčná teplota | °C | 32.6 | 29.5 |
| Kvapalina • Dynamická viskozita | cP | 0.104 | 0.807 |
| • Hustota | kg/m ³ | 929.6 | 995.8 |
| • Merná tepelná kapacita | kJ/kg, °C | 1.990 | 4.179 |
| • Tepelná vodivosť | W/m, °C | 0.1201 | 0.6146 |
| Para • Dynamická viskozita | cP | 0.0129 | |
| • Hustota | kg/m ³ | 53.67 | |
| • Merná tepelná kapacita | kJ/kg, °C | 1.335 | |
| • Tepelná vodivosť | W/m, °C | 0.01302 | |
| • Latentné teplo | kJ/kg | 255.4 | |
| Koeficient prestupu tepla | W/m ² , °C | 4890 | 10400 |

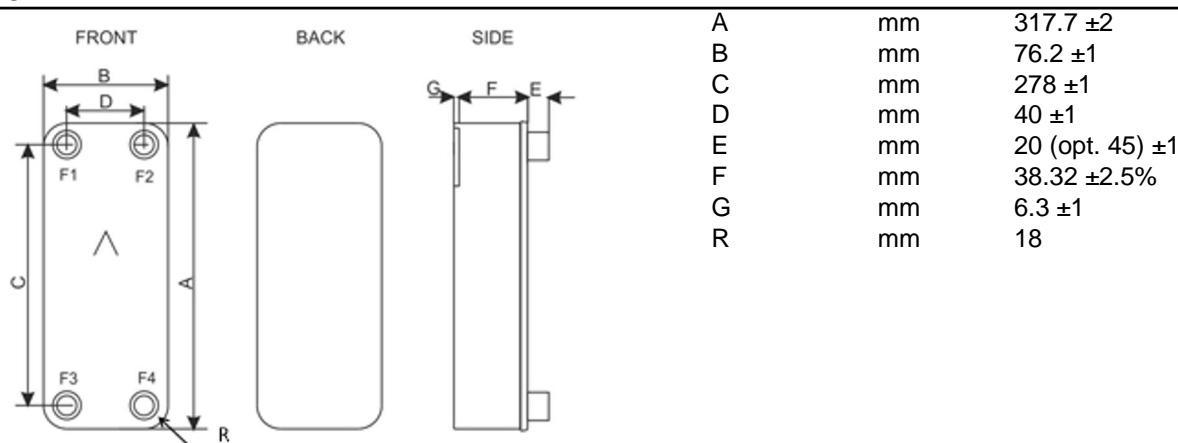


| FYZIKÁLNE VLASTNOSTI | | Strana 1 | Strana 2 |
|----------------------|-------|----------|----------|
| • Bub Enthalpy | kJ/kg | 0.0000 | |
| • Dew Enthalpy | kJ/kg | 0.0000 | |
| • Inlet Enthalpy | kJ/kg | 38.11 | |
| • Outlet Enthalpy | kJ/kg | -10.33 | |

| ÚHRNÉ HODNOTY | | Strana 1 | Strana 2 |
|--------------------------------------|-----------------|----------|----------|
| Celková hmotnosť (bez konektorov)* | kg | | 2.37 |
| Hold-up objem (Vnútorňa Okruh) | dm ³ | | 0.24 |
| Odhadovaná nápl chladiacej kvapaliny | kg | | 0.06 |
| Hold-up objem (Vonkajšia Okruh) | dm ³ | | 0.31 |
| Ve kos portu F1/P1 | mm | | 16 |
| Ve kos portu F2/P2 | mm | | 16 |
| Ve kos portu F3/P3 | mm | | 16 |
| Ve kos portu F4/P4 | mm | | 16 |

*Hmotnosť závisí od zvoleného produktu.

ROZMERY



*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 | 12.2 |
| USA - Tulsa | kg CO ₂ e | 12.8 |
| Slovakia - Košice | kg CO ₂ e | 13.9 |
| Malaysia - Kuala Lumpur | kg CO ₂ e | 19.3 |
| China - Suzhou | kg CO ₂ e | 33.2 |

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