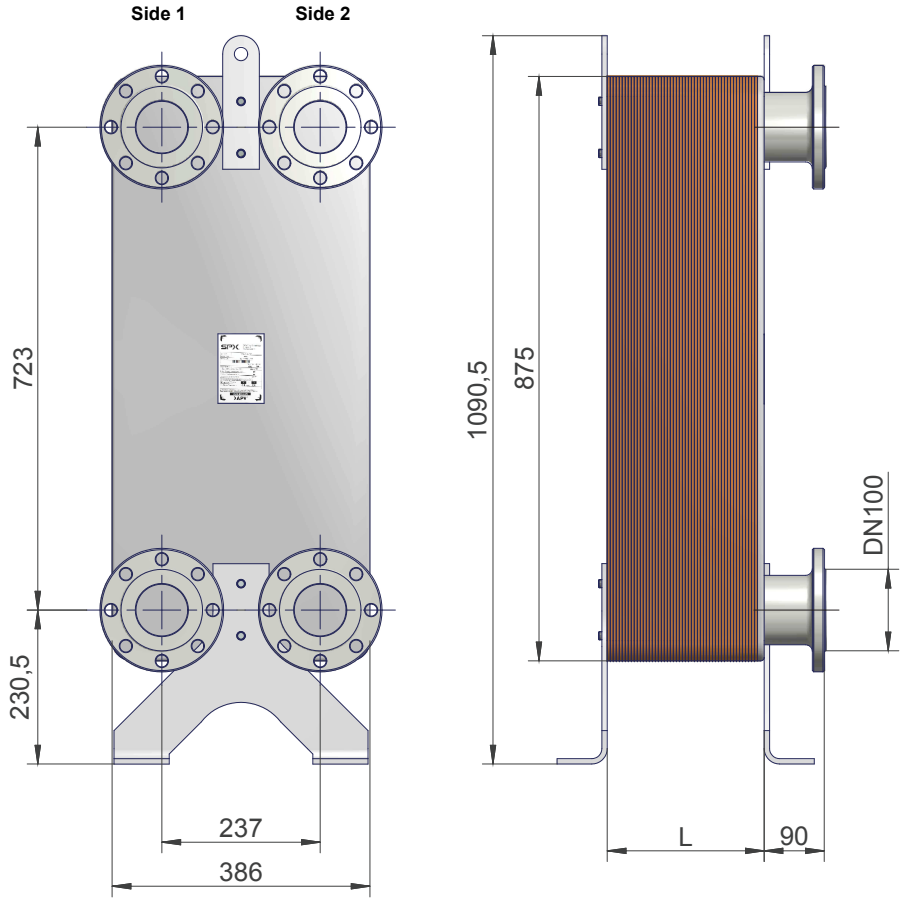


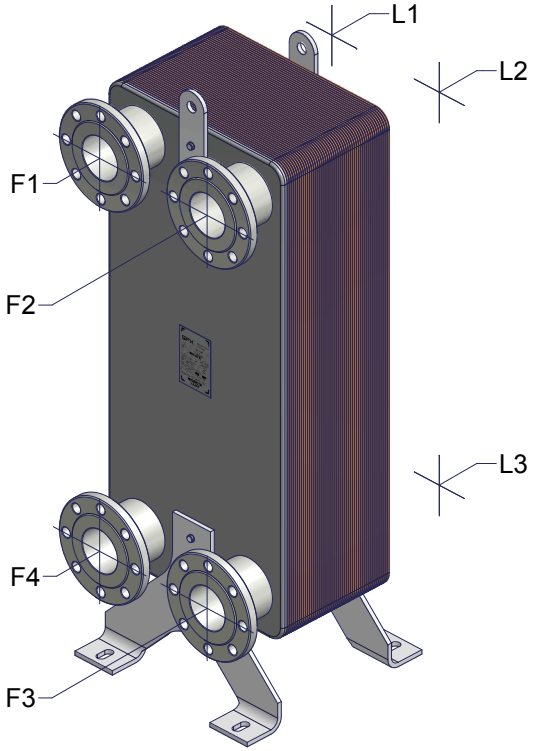


| Exchanger connection options | |
|---|---|
| **Standard** | DN100 - 90mm long (EN 1092-1) |
| **Alternative** | |
| **Other** | On request |
| **Additional** | On rear positions L1 to L4 |
| **Studs & Bolts** | On request |

| **Insulation options** | Example picture |
|---|---|
| **Aluminium coated PU foam**<br>Heating applications to +150°C<br>(Peak) | |
| **Self-adhesive rubberised**<br>Cooling applications -50 to +105°C | |
| | |
| | |

| Amount of plates | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 250 | 300 | 350 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Volume Side 1 (l)* | 14.4 | 17.4 | 20.4 | 23.4 | 26.4 | 29.4 | 32.4 | 35.4 | 38.4 | 41.4 | 44.4 | 47.4 | 50.4 | 53.4 | 56.4 | 59.4 | 74.4 | 89.4 | 104.0 |
| Volume Side 2 (l)* | 15.0 | 18.0 | 21.0 | 24.0 | 27.0 | 30.0 | 33.0 | 36.0 | 39.0 | 42.0 | 45.0 | 48.0 | 51.0 | 54.0 | 57.0 | 60.0 | 75.0 | 90.0 | 105.0 |
| Max working pressure (bar) | 30 | | | | | | | | | | | | | | | | | | |
| Min / Max temperature (°C) | -196 / +200 | | | | | | | | | | | | | | | | | | |
| PED Class Group 1 (Category) | III | | | | | | | IV** | | | | | | | | | | | |
| PED Class Group 2 (Category) | II | | | | | | | III | | | | | | | | | | | |
| Plate packet depth L(mm)* | 138.5 | 161.6 | 184.7 | 207.8 | 230.9 | 254.0 | 277.1 | 300.2 | 323.3 | 346.4 | 369.5 | 392.6 | 415.7 | 438.8 | 461.9 | 485.0 | 600.5 | 716.0 | 831.5 |
| Net Weight Empty (kg) | 102.0 | 114.5 | 127.0 | 139.5 | 152.0 | 164.5 | 177.0 | 189.5 | 202.0 | 214.5 | 227.0 | 239.5 | 252.0 | 264.5 | 277.0 | 289.5 | 352.0 | 414.5 | 477.0 |
| Heat Transfer Area (m²) | 14.4 | 17.4 | 20.4 | 23.4 | 26.4 | 29.4 | 32.4 | 35.4 | 38.4 | 41.4 | 44.4 | 47.4 | 50.4 | 53.4 | 56.4 | 59.4 | 74.4 | 89.4 | 104.4 |

* Calculated values (final tolerance to ISO 2768-m)
** PED Category IV (Available as special order or III with reduced max working pressure - please contact the sales team)

**Where appropriate the following European standards and regulations were used during design and construction:**

97/23/EC (Pressure Equipment Directive)
EN 1148 (Water to water heat exchangers for district heating)
EN 10272 (Stainless steel bars used for pressure purposes)
EN 10028-7 (Stainless steel flat products used for pressure purposes)
Please ask your sales partner if you require other standards or certification to be applied.

EN 13445 (Unfired Pressure Vessels )
ISO 2768-m (General tolerances class "m")
ISO 228-1 ("G" Thread BSP parallel)
EN 1092-1 (Steel Flanges)

©2014 Errors, Omissions and Technical Alterations excepted

Sizes in mm unless otherwise shown

Connections : 1.4301 (304) / Plates : 1.4404 (316L) / Braze : Cu 99.9%

SPX Flow Technology
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DK-6000
Kolding
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**Scale**
**M 1:8 (A3)**

| Status | Change | Date | Name | | Date | Name |
|---|---|---|---|---|---|---|
| | | | | Drawn by | 12.08.2014 | MPI |
| | | | | Checked by | 29.10.2014 | DRO |

**TT88H_STD_14_Rev00**