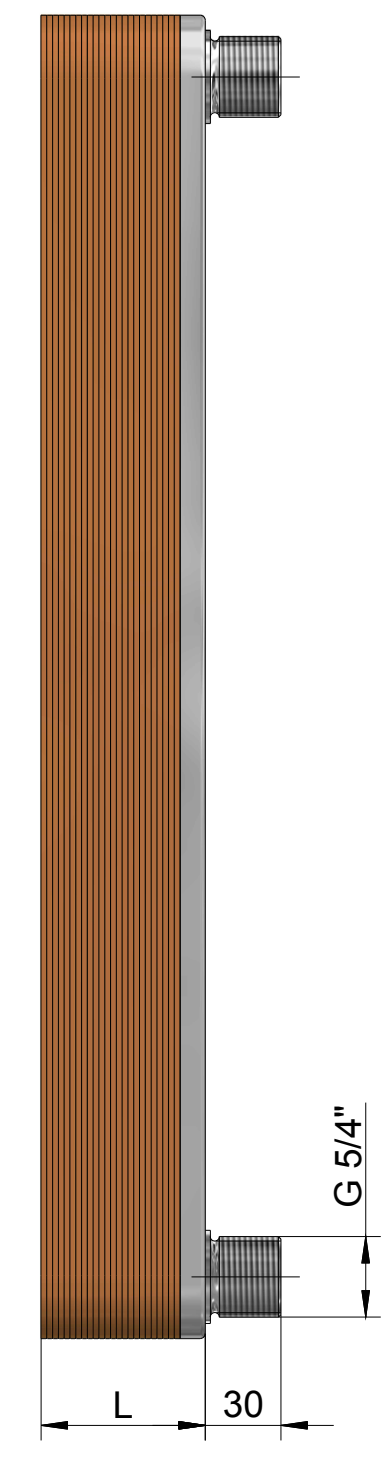


Side 1 Side 2



| Exchanger connection options | |
|------------------------------|----------------------------|
| Standard | G 5/4" - 30mm long |
| Alternative | G 1", Solder |
| Other | On request |
| Additional | On rear positions L1 to L4 |
| Studs & Bolts | On request |

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

| Mounting options | Example picture |
|--|-----------------|
| Angled Wall Bracket "L" bracket including strap & screws | |

| Detachable pipe connection options | Example picture |
|---|-----------------|
| VER 25 From G5/4" to DN25 weld (2 pcs/set) | |
| VER 28 From G5/4" to 28 mm solder (2 pcs/set) | |
| VER 1 From G5/4" to 1" thread (2 pcs/set) | |

| Amount of plates | 10 | 14 | 20 | 24 | 30 | 34 | 40 | 44 | 50 | 60 | 70 | 80 | 90 | 100 |
|------------------------------|-------------|-------|------|------|--------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| Volume Side 1 (l)* | 0.48 | 0.72 | 1.08 | 1.32 | 1.68 | 1.92 | 2.28 | 2.52 | 2.88 | 3.48 | 4.08 | 4.68 | 5.28 | 5.88 |
| Volume Side 2 (l)* | 0.60 | 0.84 | 1.20 | 1.44 | 1.80 | 2.04 | 2.40 | 2.64 | 3.00 | 3.60 | 4.20 | 4.80 | 5.40 | 6.00 |
| Max working pressure (bar) | 30 | | | | | | | | | | | | | |
| Min / Max temperature (°C) | -196 / +200 | | | | | | | | | | | | | |
| PED Class Group 1 (Category) | SEP | Cat.I | | | Cat.II | | | | | | | | | |
| PED Class Group 2 (Category) | SEP | | | | Cat.I | | | | | | | | | |
| Plate packet depth L(mm)* | 34.8 | 45.1 | 60.6 | 70.9 | 86.4 | 96.7 | 112.2 | 122.5 | 138.0 | 163.8 | 189.6 | 215.4 | 241.2 | 267.0 |
| Net Weight Empty (kg) | 4.70 | 5.50 | 6.80 | 7.60 | 8.90 | 9.70 | 11.0 | 11.8 | 13.1 | 15.2 | 17.3 | 19.4 | 21.5 | 23.6 |
| Heat Transfer Area (m²) | 0.56 | 0.84 | 1.26 | 1.54 | 1.96 | 2.24 | 2.66 | 2.94 | 3.36 | 4.06 | 4.76 | 5.46 | 6.16 | 6.86 |

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)

©2015 Errors, Omissions and Technical Alterations excepted
 Connections : 1.4301 (304) / Plates : 1.4404 (316L) / Braze : Cu 99.9%

Sizes in mm unless otherwise shown



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Scale
M 1:3 (A3)

* Calculated values (final tolerance to ISO 2768-m)

| Status | Change | Date | Name |
|--------|--------|------------|------|
| | | 14.08.2015 | AWU |
| | | 18.08.2015 | DRO |

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