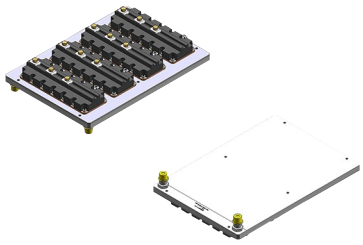
Vacuum-Brazed Cold Plates

4 IGBT (89x250mm)

LIQUID COOLED HEATSINKS

ALUMINIUM



Mersen introduces a new range of vacuum-brazed cold plates to bring effective and reliable cooling solutions to its customers. These brand-new cold plates are specially dedicated to the needs of industrial drives designers.

Thermal data at 20l/mn, water inlet 40°C, 1 kW loss per component:

- Maximal cold plate surface temperature (hottest point): 49.5°C
- Maximum thermal resistance of the cold plate / component: 9.5°C/kW
- Pressure drop: 338 mbar

FEATURES & BENEFITS

- Cost/performance value: vacuum-brazing technology for the cost of a downgraded one (deep drilling, FSW...)
- Perfect water-tightness guarantee
- Long lifetime >20 years guaranteed
- Cooling performances
- Homogeneous temperature distribution below the component: spiral counter flow
- Very high pressure withstanding
- No risk of leak (all cold plates are systematically pressure tested)
- Vacuum-brazing technology means no corrosion

STANDARDS

- Vacuum-brazing technology
- RoHS compliant

RoHS

THERMAL AND HYDRAULIC PERFORMANCES

Cooling performance @ 20l/mn , water inlet 40°c, 1 kW loss per component

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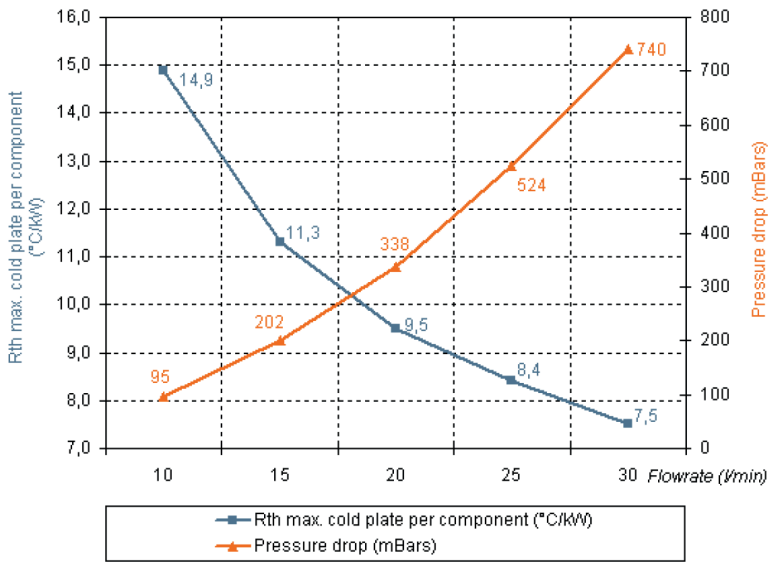
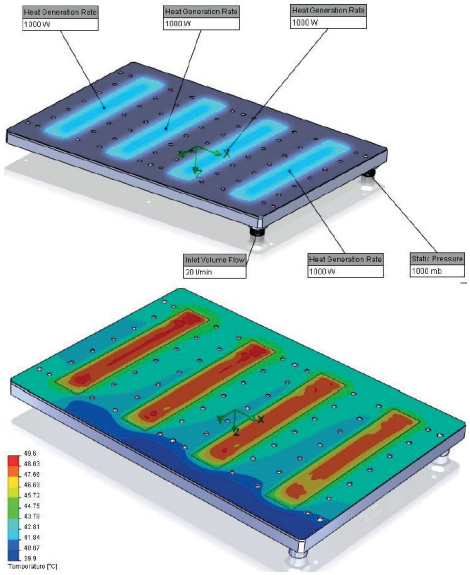
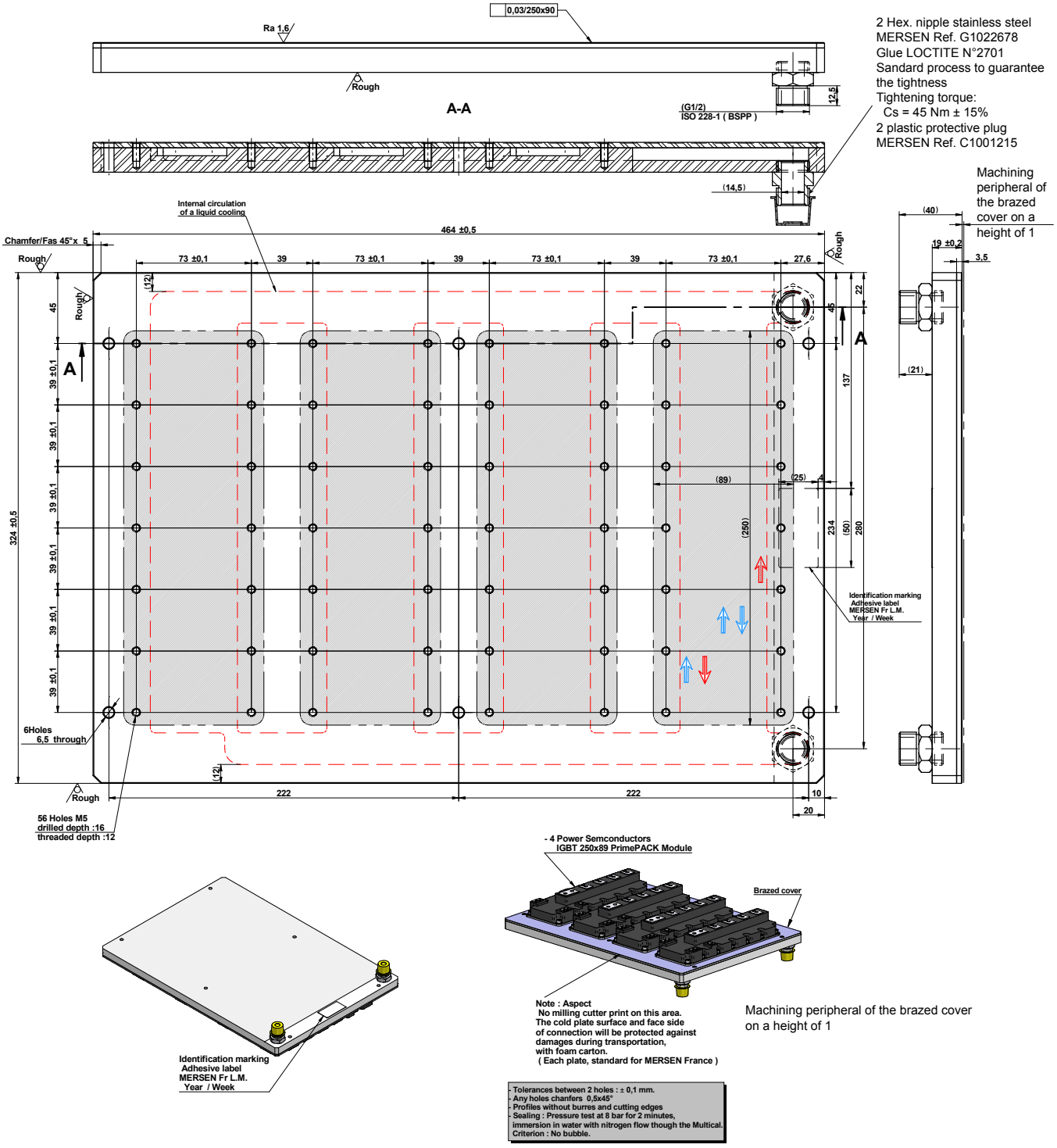
Pressure drop	338 mbar





DIMENSIONS

P1022317A Cold plate dimensions



Dimensions in mm