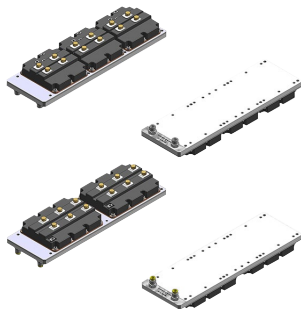


Vacuum-Brazed Cold Plates

2 IGBT (140x190mm) / 3 IGBT (140x130mm)

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 10l/mn, water inlet 40°C, 1 kW loss per component:

- Maximal cold plate surface temperature (hottest point): 46°C
- Maximum thermal resistance of the cold plate / component: 6°C / kW
- Pressure drop: 389 mbar

FEATURES & BENEFITS

- Homogeneous temperature distribution below the component: spiral counter flow
- Withstand high operating pressure
- No risk of leak (All cold plates are pressure tested before shipping)
- Vacuum-brazing technology insures metal-to-metal flux-free joint
- Optimum pressure drop for medium and low flow rates
- Leak-free and corrosion-free construction
- Twenty-year lifetime expectancy
- High thermal performance

STANDARDS

- Vacuum-brazing technology
- RoHS compliant



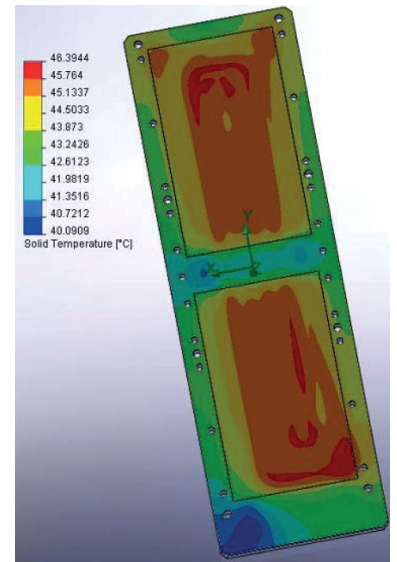
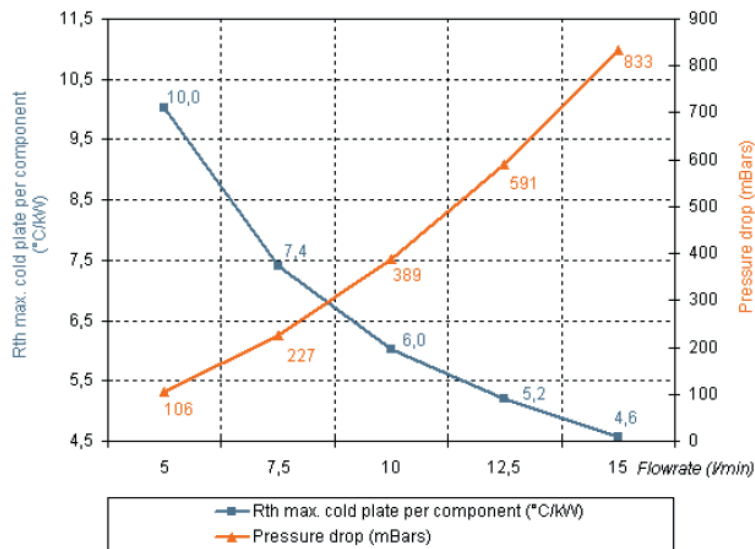
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THERMAL AND HYDRAULIC PERFORMANCES

Cooling performance @ 10l/mn, water inlet 40°C, 1 kW loss per component

Maximal cold plate surface temperature (hottest point)	46°C
Maximum thermal resistance of the cold plate / component	6°C / kW
Pressure drop	389 mbar



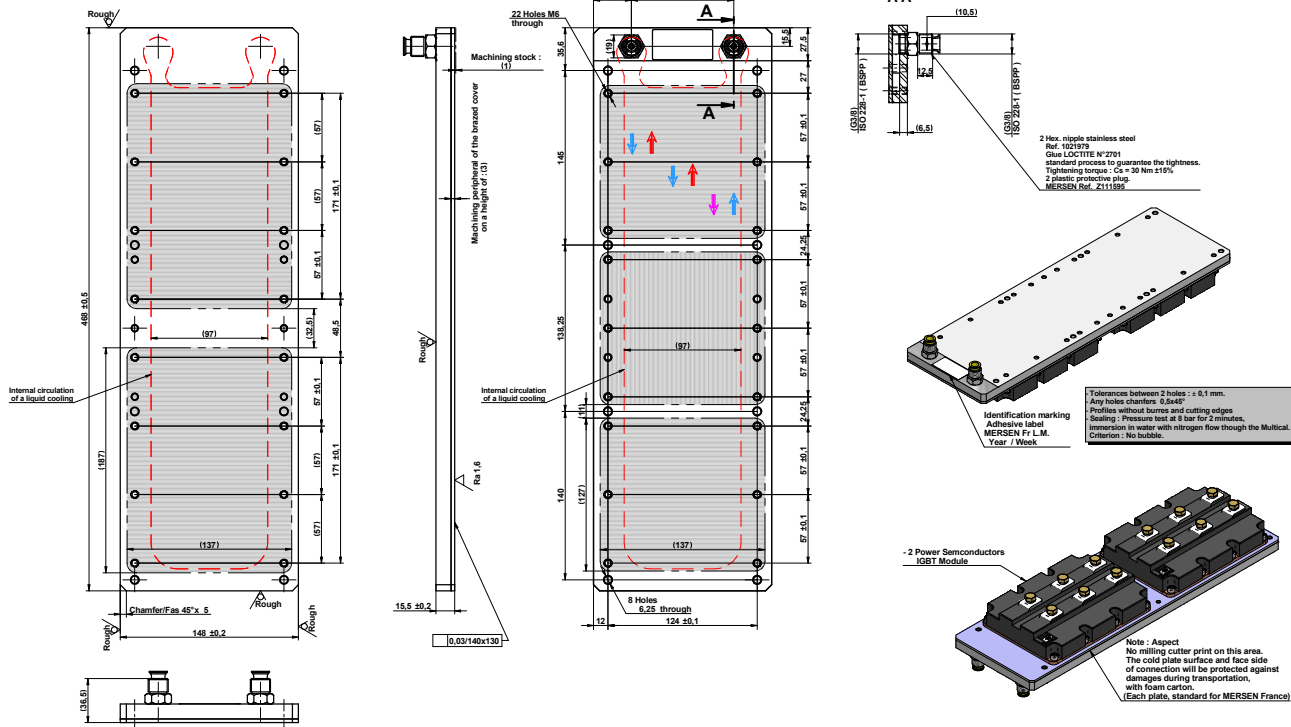
MERSEN reserves the right to change, update or correct, without notice, any information contained in this datasheet.

Vacuum-Brazed Cold Plates

2 IGBT (140x190mm) / 3 IGBT (140x130mm)

DIMENSIONS

M1022315A Cold plate dimensions



Dimensions in mm